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**U of M Schedule of Classes**: Page 5 of 452

**WN 2018 2170 12-18-2017 12:12 20249727**
## Dental Hygiene
### Dental Hygiene-Dentistry

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**U of M Schedule of Classes**

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Dentistry

School Of Dentistry

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**Prosthodontics (PROSTHOD)**

- Independent Study
- Impression Making
- Prosthodontics
- Prosthodontics Prac
- Maxillofac Prac Sem
- Maxillo Pros Clinic
- Prosthetic Occlusion
- Adv Tx Planning
- Clin Crown & Bridge
- Articulator
- Teaching Pract
- Functional Occlusion
- Adv Crown & Bridge
- Clinical Restorativ
- Thesis Investig & Ceramo-Metal Proc

**Restorative (RESTORA)**

- Implant Seminars
- Chairside CAD/CAM
- Adv Direct Restora
- Adv ChairsideCAD/CAM
- Clin Restor Dent
- Thesis Investig & Sem Operative Dent
- Esthetic Procedures
- Prim Operative Dent
- Spec Topc Oper Dent
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This course is held concurrent with RESTORA 871 in room 2397.
Education

--MOST SCHOOL OF EDUCATION COURSES ARE LISTED UNDER EDUCATION. SOME ADDITIONAL COURSES ARE LISTED UNDER EDUCATION C AND D.
--UNDERGRADUATE STUDENTS MUST HAVE ATTAINED JUNIOR STANDING COMPLETION OF AT LEAST 54 SEMESTER HOURS OR MUST BE SCHOOL OF EDUCATION SPECIAL STUDENTS BEFORE THEY MAY ELECT 300 OR 400 LEVEL COURSES
--TEACHER CERTIFICATION COURSES: ENROLLMENT PREFERENCE WILL BE GIVEN TO STUDENTS PREVIOUSLY ADMITTED TO AN APPROVED TEACHER Certification PROGRAM; OTHERS MAY BE REQUIRED TO WITHDRAW.
--UNLESS OTHERWISE INDICATED, CLASS PERMISSIONS (OVERRIDES) ARE AVAILABLE IN THE OFFICE OF STUDENT SERVICES, ROOM 1033 SEB, (734-764-7563).

School Of Education

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U of M Schedule of Classes  Page 19  of  452

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Sec ENGLISH and SOCIAL STUDIES Winter Cohort students. Fieldwork on Th/F mornings. Students must attend Practicum Orientation.

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Sec WORLD LANGUAGES Winter Cohort students only. Fieldwork 6-8 hours per week to be arranged with Dr. Coolican. Please note that you must be available to be in schools for two 3-4 hour periods of time, twice weekly.

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| 358    | Ed & Dev Cross-Cultu | 3.00 |  |
| 33286  | P LEC 001 | TTH | 1-230PM | 250 HUTCH |

Prereq Psych 250, Psych 356 or Permission of Instructor.

| 360    | Partners in Learning | 3.00 |  |
| 19483  | P SEM 001 | T | 6-8PM | 2218 SEB |

Meets with EDUC 547-001. Please contact tsanf@umich.edu for registration questions. Students required to meet one additional hour each week on-site tutoring and mentoring middle school students enrolled at partner schools. The instructor and GSI will coordinate and support tutoring/mentoring experiences.

| 362    | Mich Stdtn Caucus | 4.00 | 30.00 |
| 20876  | P W LAB 001 | ARR | ARR |

Kupperman, Fahy, Stanzler, McDowell

Attendance is required at orientation on Thursday, Jan. 11, 2018 from 7:00-8:30 pm in Schorling Auditorium (1202 SEB.) Students wishing to take ED 362 for a second time and serve as topic coordinators must be able to attend a weekly seminar meeting on Tuesdays from 4:30-5:30 in Room B834 of East Quad.

| 363    | Educ Programs Youth | 3.00 |
| 33702  | P SEM 001 | ARR | ARR |

| 365    | Intl Poetry Guild | 3.00 | 30.00 |
| 20884  | P SEM 001 | T | 430-630PM | 2340 SEB |

Zemper

| 390    | Comm Learn in ESL | 3.00 |  |
| 18802  | P W SEM 001 | MW | 1-230PM | 1060 EH |
| 25767  | P W SEM 002 | MW | 10-1130AM | 1508 EQ |

Dyer

Romano Gillette

| 391    | Ed Psych-Human Dev | 3.00 | ADVISORY |
| 10525  | P R REC 001 | TTH | 230-4PM | 2328 SEB |
| 27794  | P R REC 002 | MW | 230-4PM | 2218 SEB |

Secondary ENGLISH & SOCIAL STUDIES students only.

| 392    | Educ Multicult Soc | 3.00 |  |
| 24284  | P R LEC 001 | T | 4-7PM | 2310 SEB |

McKellar

Plummer

Marchand, Harrison

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Teach Lang Lit Content to ELL
Topic: Teaching Language, Literacy and Academic Content to English Speakers and English Language Learners. For Elmac 20 students only. Class begins January 5th and ends January 30th.

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Mathematics & Social Justice
Meets with EDUC 210-001.

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Motivating Students to Learn
For TFA Detroit Corps Members.

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Teach with Tech
19969    | P     | SEM  | 001 | M     | 430-730PM | 2229 SEB  |    | Stanzler, Keren-Kolb |         |

Secondary MAC students only. Course meets face to face on three Mondays: 1/22, 1/29, & 2/19 and at the MACUL Conference on 3/9/18. (MAIZE COHORT.)

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Secondary MAC students only. Course meets face to face on three Mondays: 1/22, 1/29 & 2/19 and at the MACUL Conference on 3/9/18. (BLUE COHORT.)

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Partners in Authentic Learning
Topic: Partners in Authentic Learning in Schools. Will meet with EDUC 360-001.

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Crosslisted with SI 548-001.

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For ES MA students in LPAC.

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For ES MA students in LEADPOL.

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For ES MA students in DME and Teaching & Learning.  Class will meet every other week starting first Monday of January 8, 2018.  For permission, contact donaldfr@umich.edu.

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For ES MA students in PEIR.

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Graduate Standing.  Students should obtain permission from instructor and then complete online form located at https://sitemaker.umich.edu/soe.ispe/request.

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Elmac 20 students only.  Class begins January 3rd and ends January 29th.

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For TFA Detroit Corps Members.

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Secondary MAC ENGLISH students only.  Concurrent registration in EDUC 654-001 required.  Choose S/U grading option.  This is a "Y" course.

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|       | Secondary MAC MATH students only.  Concurrent registration in EDUC 654-002 required.  Choose S/U grading option.  This is a "Y" course.

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|       | Secondary MAC SCIENCE students only.  Concurrent registration in EDUC 654-003 required.  Choose S/U grading option.  This is a "Y" course.

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|       | Secondary MAC SOCIAL STUDIES students only.  Concurrent registration in EDUC 654-005 required.  Choose S/U grading option.  This is a "Y" course.

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|       | Secondary MAC WORLD LANGUAGES students only.  Concurrent registration in EDUC 654-007 required.  Choose S/U grading option.  This is a "Y" course.

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|       | For Elmac 20 students only.
| 28572 | P R SEM 002 W             | 4-6PM|        |         |
For Elmac 20 students only.
28573 P R SEM 003 W 4-6PM ARR Madden
For Elmac 20 students only.
28574 P R SEM 004 W 4-6PM ARR Hanna

654 Prob-Prin Sec Ed
28574 P R SEM 001 T 4-6PM 1315 SEB Graham
Secondary MAC ENGLISH students only. Concurrent registration in EDUC 652-001 required. Choose letter graded option. This is a "Y" course.

28575 P R SEM 002 T 4-6PM 2229 SEB Caldwell
Secondary MAC MATH students only. Concurrent registration in EDUC 652-002 required. Meets with EDUC 304-003. Choose letter graded option. This is a "Y" course.

28576 P R SEM 003 T 4-6PM 2241 SEB Jubulani
Secondary MAC SCIENCE students only. Meets with EDUC 304-004 & EDUC 654-004. Concurrent registration in EDUC 652-003 required. Choose letter graded option. This is a "Y" course.

28577 P R SEM 004 T 4-6PM ARR Davis
Secondary MAC SCIENCE students only. Meets with EDUC 304-004 & EDUC 654-003. Concurrent registration in EDUC 652-004 required. Choose letter graded option. This is a "Y" course.

655 Dir Resear Ed Study
657 Practicum Ed Study
659 MA Res Pract in HE
663 Organizing for Lrng
695 Res Educ Practice
702 Wolverine Pathways
714 Causal Infer Postsec
719 Pedagogies of De&I
721 Hum Dev&Schooling
728 Prac Learn Tech

Students should obtain permission from instructor and then complete online form located at https://sitemaker.umich.edu/soe.ispe/request.

732 Critical Race Method
736 Topics Educ Studies
760 Access and Equity
762 Curric in P S E
764 Pub Pol Pse
Prereq: graduate standing

767 Res Pract in HE
Permission of Instructor
770 Ind St High&Cont Ed
Permission of Instructor
771 Topics High&Cont Ed

U of M Schedule of Classes
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<td>Minority Serving Institutions</td>
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<td>HE &amp; Change</td>
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<td>Prereq: Higher Ed MA student. Meets in room 2229 SEB.</td>
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Students should obtain permission from instructor and then complete online form located at https://sitemaker.umich.edu/soe.ispe/request.

| 791 | Found of Tchg & Lrng | 3.00 | ADVISORY |
| 18616 PI SEM 001 W | 9-12PM | 2334 SEB |
| Prereq: Higher Ed MA student | Bricker | |

For 1st year ES PhD students.

| 792 | Meth Ed Res: Qual | 3.00 | ADVISORY |
| 10535 AI LEC 001 T | 1-4PM | 2310 SEB |
| Prereq: EDUC 792-002. Priority enrollment offered to First Year ES Ph.D. students. First class is on January 9, 2018. Instructor permission required. | Moss | |
| 17396 PI LAB 002 W | 1-3PM | 4212 SEB |
| Concur reg in EDUC 792-001. Priority enrollment offered to First Year ES Ph.D. students. First class is on January 3, 2018. Instructor permission required. | Moss | |

Meets with PUBPOL 639. For Education PhD students only. Prerequisite EDUC 793 or equivalent w/minimum grade of B.”

| 794 | Quant Mth Caus Anal | 3.00 | ADVISORY, ENFORCED |
| 23589 P R LEC 001 MW | 1-230PM | 1120 WEILL |
| Students should obtain permission from instructor and then complete online form located at https://sitemaker.umich.edu/soe.ispe/request. | Robles | |

Meets with PUBPOL 639. For Education PhD students only. Prerequisite EDUC 793 or equivalent w/minimum grade of B.”

| 795 | Non-Exp Res Meth | 3.00 | ADVISORY |
| 16335 A LEC 001 W | 1-4PM | 2340 SEB |
| Prereq: EDUC 793 or equivalent. Students are auto-enrolled in Lec 001 when they elect Lab 002 or Lab 003. | McCall | |
| 16867 LAB 002 TH | 4-6PM | 2320 SEB |
| Prereq: EDUC 793 or equivalent. Students are auto-enrolled in Lec 001 when they elect Lab 002 or Lab 003 | Gadd | |

To be taken in conjunction with EDUC 795-001. Students are auto-enrolled in Lec 001 when they elect Lab 002 or Lab 003.

| 796 | Tchg Apprenticeship | 1.00-3.00 | |
| Students should obtain permission from instructor and then complete online form located at https://sitemaker.umich.edu/soe.ispe/request. | |

| 803 | Struc Eq Model(SEM) | 3.00 | |
| 26266 P W SEM 001 W | 4-7PM | 2218 SEB |
| Prereq: EDUC 793 and EDUC 795. Students should bring laptops to class. Crosslisted with Psych 804. | Diemer | |

Students should obtain permission from instructor and then complete online form located at https://sitemaker.umich.edu/soe.ispe/request.

| 867 | Organization Theory | 3.00 | ADVISORY |
| 31872 P SEM 001 M | 1-4PM | 2229 SEB |
| Prereq: Doctoral standing; permission of instructor. Class will meet in the CSHPE Conference Room (2114 SEB). | Bastedo | |

| 869 | Acad Context Success | 3.00 | ENFORCED |
| 27222 P R SEM 001 T | 1-4PM | ARR |
| Prereq: Graduate Standing | Lattuca | |

| 870 | Inti & Comp Contin Ed | 3.00 | ADVISORY |
| 24304 PD W SEM 001 M | 9-12PM | 2346 SEB |
| Prereq: Graduate Standing | Conger | |

Students should obtain permission from instructor and then complete online form located at https://sitemaker.umich.edu/soe.ispe/request.

| 898 | Professional Dev Sem | 1.00-2.00 | |
| 10537 P SEM 001 T | 11-1PM | ARR |
| Prereq: For first year Ed Studies Ph.D. students only. | Herbst | |
| 17364 P SEM 002 T | 4-6PM | 2228 SEB |
| For second year Ed Studies Ph.D. students only. | Rivas-Drake | |

| 899 | PhD Qualifying Paper | 3.00 | |
| Students should obtain permission from instructor and then complete online form located at https://sitemaker.umich.edu/soe.ispe/request. | | |

Students should obtain permission from instructor and then complete online form located at https://sitemaker.umich.edu/soe.ispe/request.
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Prerequisite: Doctoral candidate
## Engineering

NOTE: THE PHRASES ‘OR EQUIVALENT,’ ‘PERMISSION OF INSTRUCTOR,’ OR ‘PERMISSION OF DEPARTMENT’ MAY BE CONSIDERED AN IMPLICIT PART OF THE PREREQUISITE FOR ALL COURSES IN THE COLLEGE OF ENGINEERING.

### Aerospace Engineering

#### Aerospace Engineering (AEROSP)

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### Atmospheric, Oceanic And Space Science

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**Data Analysis for Geoscientist**

An introduction to data analysis and visualization for climate and space scientists and engineers. This is an upper-level undergraduate course focusing on fundamental data science, analysis, and visualization techniques, using Python with examples from space physics and climate science. No experience with Python is required but familiarity with programming is recommended.

**Space Instrumentation**

This course will examine the structure of the Sun, from the core to the outer atmosphere. It will describe the physical processes that shape all aspects of our Sun: its structure (from the core to the outer atmosphere), its activity, and its radiative and particle output. Emphasis will be placed on 1) the solar-stellar connection, placing the Sun as a laboratory for other stars, 2) the open problems in solar (and stellar) physics, and 3) on the observational techniques and instrumentation to tackle them.

**Solar Physics**

Class will be held in SRB Room 429- lab space

**Planetary Magnetospheres JC**

Class will be held in SRF Room 429- lab space
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Page 30 of 452
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First four classes will be held in 2185 LBME, the following locations will be provided by instructor.

Only offered even years in Winter semesters.
Directed Research 1.00-16.00 ADVISORY

M S Thesis 1.00-16.00 ADVISORY

Special Topics 1.00-6.00

Grad BME Innovat Design Pt II
Student must have completed Grad BME Innovat Design Pt I or have instructor approval to take this course.

Current Topics in Neuromodul
Eng Approaches to Cancer Biol
Notes: graduate or senior undergraduates with a working understanding of cell and molecular biology, or consent of instructor

Description:
Engineering Approaches to Cancer Biology -- The course provides an introduction to cancer biology from an engineering and systems perspective. It provides a basic understanding of cancer biology including (but not limited to) cancer genetics, signal transduction, metabolism, angiogenesis, tumor microenvironment and the metastatic cascade, and discusses how new technologies and engineering approaches improve our understanding of the tumorigenesis process and our ability to diagnose or treat cancer. The course material covers three topics: (1) biological concepts and cancer biology, (2) engineering and systems approaches to the study of these concepts, and (3) engineering solutions to cancer diagnostics and treatment.

BME Instruct Incubator II

Notes:
# Chemical Engineering Department

## Chemical Engineering (CHE)

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### Chemical Engineering (CHE)

#### 330 Chem&Eng Thermo

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#### 341 Fluid Mechanics

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#### 431 Eng Stat & Prob Solv

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#### 496 Spec Topics in Ch E

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Only offered even years in Winter semesters.

#### 588 Global Qual Syst

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The information provided is subject to change. Always check the latest schedule for the most accurate and up-to-date course offerings and requirements.
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### Civil & Environmental Engr

#### Civil And Environmental Engineering (CEE)

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CCE 481 lecture should be taken by undergraduate students with no intention of counting this class towards a graduate program. No graduate credit will be granted for CEE 481.

CCE 581 - both lecture and lab - should be taken by students intending to use the class for graduate credit, including SUGS students.

#### Independent Study

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This course covers topics in predictive data analytics where computers are enabled to learn hidden structures from data without being explicitly programmed. The focus of the course is on supervised (classification and regression) and unsupervised (clustering) learning methods. Examples are drawn from the field of transportation systems.

#### Nonlin Anl Structures

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**Data Mining in Transportation**

This course covers topics in predictive data analytics where computers are enabled to learn hidden structures from data without being explicitly programmed. The focus of the course is on supervised (classification and regression) and unsupervised (clustering) learning methods. Examples are drawn from the field of transportation systems.

**International Research Experience for Students:** Advancing Cyber-Enabled Decentralized Water Systems in Rapidly Developing Cities

Data Mining in Transportation

**Nonlin Anl Structures**

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**U of M Schedule of Classes**

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**Engineering Process Modeling and Risk Analysis**


Applications from on-site construction, off-site manufacturing, tunneling, earthmoving, mining, land, air, and marine transportation systems.

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Ethics for Robotics

The expected proliferation of autonomous robots raises a number of practical questions. The need for ethics is often suggested, but what does this mean? It is unlikely that robots will rise up in a robot apocalypse. However, might a robot faithfully attempting to follow human-given instructions, without ethics or common sense, unintentionally harm individuals or even humanity? What does ethics do for human society? What ethical principles should govern the behavior of the human designers, builders, sellers, or owners of robots? What ethical principles should robots themselves apply to their own actions? How should ethical principles be translated into technological practice, and into regulations and law? This course will cover these issues and more, with readings, guest lectures, and discussions. Seminar attendance and two written reports will be required.
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Des Proc Models

Class will meet in 3254 East Hall.

Class will meet in SI-North on North Campus; 3rd floor conference room; Room 3244
## Environmental Sciences and Engineering

### Environmental Sciences and Engineering (ENSCEN)

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Electrical Engr & Computer Sci

Electrical Engineering And Computer Science (EECS)

IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS MAY BE REGISTERED OFFICIALLY FOR A COURSE, THE ELECTRICAL ENGINEERING AND COMPUTER SCIENCE DEPARTMENT MAY GIVE AWAY A STUDENT'S PLACE IN A CLASS IF THEY DO NOT ATTEND THE FIRST WEEK OF LECTURES AND LABS/DISCUSSIONS (AS APPROPRIATE) FOR ANY EECS COURSES.

AT THE SAME TIME, THE EECS DEPARTMENT IS NOT OBLIGATED TO WITHDRAW STUDENTS OFFICIALLY FROM THE COURSE, EVEN THOUGH THE STUDENT HAS BEEN INFORMED THAT HIS/HER PLACE IN A COURSE HAS BEEN TAKEN AWAY. STUDENTS ARE RESPONSIBLE FOR THE ACCURACY OF THEIR SCHEDULES AND MUST BE SURE THAT ALL DROPS ARE PROCESSED THROUGH THE REGISTRATION SYSTEM DURING THE NORMAL DROP/ADD PERIOD.

183 Elem Prog Concepts 4.00
STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

23793 S LEC 004 TTH 4-530PM G005 DENT Garcia-Ramirez
15574 P W LAB 011 M 2-4PM G580 DENT
15577 P W LAB 012 T 2-4PM G580 DENT
10625 P W LAB 013 T 4-6PM 2325 MH
15575 P W LAB 014 W 8-10AM 1046 DANA
15576 P W LAB 015 TH 5-7PM LAB 015 1250 USB
21350 P W LAB 021 F 3-5PM 2234 USB

Lab 021: Less Comfortable with Computing
23790 P W LAB 022 F 1-3PM 1567 CCL

203 Discrete Math 4.00 ENFORCED
STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

17231 S R LEC 001 TTH 9-1030AM AUD CHRY Wakefield
17232 S R LEC 002 TTH 12-130PM AUD CHRY Graetz
21976 S R LEC 003 TTH 130-3PM 1013 DOW Graetz

215 Intro to Elect Circ 4.00 ENFORCED
STUDENTS MUST ELECT LAB AND LECTURE SECTIONS. This class has 2 evening midterm exams. (Department endeavors to admit all students on the 215 waitlist.)
16398 S R LEC 001 MW 1030-1130AM 1200 EECS Ulaby

215 Intro to Elect Circ 4.00 ENFORCED
STUDENTS MUST ELECT LAB AND LECTURE SECTIONS. This class has 2 evening midterm exams. (Department endeavors to admit all students on the 215 waitlist.)
28425 S R LEC 002 MW 130-230PM 1200 EECS Ulaby

215 Intro to Elect Circ 4.00 ENFORCED
S R LEC 002 TTH 130-230PM 1010 DOW

216 Intro Signals&Syst 4.00 ADVISORY, ENFORCED
STUDENTS MUST ELECT DISCUSSION, LAB AND LECTURE SECTIONS.
18698 S R LEC 001 TTH 1030-12PM 1200 EECS Finelli
STUDENTS MUST ELECT DISCUSSION, LAB AND LECTURE SECTIONS.
19053 S R DIS 021 F 1230-130PM 3150 DOW
STUDENTS MUST ELECT DISCUSSION, LAB AND LECTURE SECTIONS.
18700 S R DIS 021 F 130-230PM 1012 FXB
STUDENTS MUST ELECT DISCUSSION, LAB AND LECTURE SECTIONS.
18699 S R LEC 002 TTH 6-9PM 1016 EECS
STUDENTS MUST ELECT DISCUSSION, LAB AND LECTURE SECTIONS.
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**281 Data Struct & Alg**

STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

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**301 Probabil Mthd in Eng**

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**311 Analog Circuits**

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**312 Digit Integrat Circ**

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**314 Elec Ckts, Sys & Appl**

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STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.
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U of M Schedule of Classes Page 45 of 452

WN 2018 2170 12-18-2017 12:12 20249727
able to enroll in this course, or wait list, if the course is full.

28381 A R LEC 003 MWF 9:30-10:30AM 1500 EECS Jamin
29020 P RW DIS 011 F 10:30-11:30AM 2153 GGBL
29021 P RW DIS 021 F 11:30-12:30PM 2153 GGBL
32041 P RW DIS 031 F 10:30-11:30AM 1010 DOW
30912 P RW DIS 032 M 10:30-11:30AM 2147 GGBL

442 Computer Vision
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.
24195 A R LEC 001 TTH 9-10:30AM 1571 GGBL Deng
24196 P RW DIS 011 W 1-2PM 1571 GGBL

443 Senior ThesisL
To enroll in EECS 443, a student must have had their CS-LSA Honors Thesis application approved by a Faculty Mentor and the CS-LSA CPA. Paperwork can be obtained from the CSE Undergraduate Advising Office, 2808 Beyster Bldg. Once approved, a course permission will be issued to a student under their faculty mentor's section number.

IR IND + ARR ARR

445 Intro Machine Learn
STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS. Students who do not meet major restrictions can request permission for this course on or after Monday, December 11, 2017 through the CSE Undergraduate Advising Office.
24198 P RW DIS 011 F 10:30-12PM 2153 GGBL
24199 P RW DIS 012 F 11:30-12:30PM 1010 DOW
26321 P RW DIS 012 F 12:30-1:30PM 1014 DOW
26322 P RW DIS 013 F 1:30-2:30PM 1008 FXB
26323 P RW DIS 014 F 2:30-3:30PM 1010 DOW
36108 P RW DIS 015 T 1:30-2:30PM 3427 ECE
36111 P RW DIS 016 TH 3-4PM 2166 DOW

452 DSP Design Lab
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB.
10676 A R LEC 001 MW 10:30-12PM 1005 DOW Kim
10677 P RW LAB 011 W 3-5PM 4341 EECS
16990 P RW LAB 012 T 3-5PM 4341 EECS
10678 P RW LAB 013 TH 3-5PM 4341 EECS

458 Biomed Instrum Des
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.
19035 A R LEC 001 MW 10:30-12PM 1610 IOE Ozay
19036 P RW DIS 011 M 6-7PM 1003 EECS
28831 P RW DIS 012 T 4-5PM 1200 EECS

461 Embedded Control
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB. Students seeking an override must apply for such through the ECE Override System at https://me-web2.engin.umich.edu/ece/override. This includes waitlisted EECS students, as well as non EECS students who are not eligible for the waitlist.
17375 A RW LEC 001 MW 12-1:30PM 1500 EECS Cook, Freudenberg
17482 A RW LEC 001 MW 12-1:30PM 4342 EECS
17376 A RW LEC 001 W 12-1:30PM 3-4PM 4342 EECS
17378 A RW LEC 001 TH 12-1:30PM 1:30-2:30PM 4342 EECS
20082 A RW LEC 001 W 12-1:30PM 2:30-4:30PM 4342 EECS
17379 A RW LEC 001 TH 1-2PM 11-12PM 4342 EECS
29325 A RW LEC 001 M 1-2PM 2-3PM 4342 EECS
33232 A RW LEC 001 W 1-2PM 8-9:10AM 4342 EECS

464 Hands-on Robotics
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB. Students who do not meet major restrictions can request permission for this course on or after Monday, December 11, 2017 through the CSE Undergraduate Advising Office.
32193 A RW LEC 001 MW 12:30-2:30PM 1008 EECS Revzen
33581 P RW LAB 001 MW 12-2:30PM 1008 EECS

467 Autonomous Robotics
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB. Students who do not meet major restrictions can request permission for this course on or after Monday, December 11, 2017 through the CSE Undergraduate Advising Office.
23494 A RW LEC 001 MW 9-10:30AM 12-1:30PM 1690 BEYSTER Kuipers
23626 A RW LEC 001 W 12-1:30PM 2334 EECS
26277 A RW LEC 001 T 12-1:30PM 2334 EECS

470 Comp Architec
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB.
10683 A RW LEC 001 TTH 12-1:30PM 3-4PM 1303 EECS
17307 A RW LEC 001 TH 12-1:30PM 1:30-2:30PM 1620 BEYSTER
LAB 011 will meet in Beyster 1620 A-B.
14279 A RW LAB 012 TH 4:30-5PM 1620 BEYSTER
LAB 012 will meet in Beyster 1620 A-B.

475 Intro Cryptography
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION. Students who do not meet major restrictions can request permission for this course on or after Monday, December 11, 2017 through the CSE Undergraduate Advising Office.
32538 A RW LEC 001 MW 12-1:30PM 1109 FXB Compton
32539 A RW LEC 001 F 10:30-11:30AM 1003 EECS
32540 A RW LEC 001 F 10:30-11:30AM 1690 BEYSTER
33061 A RW LEC 001 F 12:30-1:30PM 1018 DOW
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STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION. Students who do not meet major restrictions can request permission for this course on or after Monday, December 11, 2017 through the CSE Undergraduate Advising Office.

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### Comp Game Design

Students who do not meet major restrictions can request permission for this course on or after Monday, December 11, 2017 through the CSE Undergraduate Advising Office.

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### Major Design Projects

Course will open to EE UG and ECE Grad who meet course prerequisites on Wednesday, December 6, 2017.

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### Special Topics

Social Computing Systems

*4 CREDITS for Sec 004*: Prerequisites for Lec 004: EECS 493 or EECS 485. Students who do not meet major restrictions can request permission for this course on or after Monday, December 11, 2017 through the CSE Undergraduate Advising Office.

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### Internet Foundations

*2 CREDITS for Sec 002*: Prerequisites for Lec 002: Sophomores and above.

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### Digital Signal Process Design

*3 Credit Hours for Lec 007 and Lab 071*: Prerequisite for Lec 007 and Lab 071: Senior or Graduate standing in EECS or Permission of Instructor. Lecture for EECS 498-005 will be held in FXB 1009. STUDENTS ARE AUTO-ENROLLED IN LECTURE 005 WHEN THEY ELECT A LAB 051.

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### Accessible Software Design

*4 CREDITS for Lec 009 and DIS 091 or 092 or 093*. Prerequisite for Lec 009: EECS 281. Students who do not meet major restrictions can request permission for this course on or after Monday, December 11, 2017 through the CSE Undergraduate Advising Office.

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### Multidisciplinary MDE Pilot

*3 or 4 Credit Hours for Lec 005 and Lab 051*, Prerequisite for Lec 005 and Lab 051: Senior or Graduate standing in EECS or Permission of Instructor. Lecture for EECS 498-005 will be held in FXB 1009. STUDENTS ARE AUTO-ENROLLED IN LECTURE 005 WHEN THEY ELECT A LAB 051.

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### Multidisciplinary MDE Pilot

STUDENTS ARE AUTO-ENROLLED IN LECTURE 005 WHEN THEY ELECT A DIS 051.

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### Accessible Software Design

*4 CREDITS for Lec 010 and DIS 091 or 092 or 093*, Prerequisite for Lec 010: EECS 281. Students who do not meet major restrictions can request permission for this course on or after Monday, December 11, 2017 through the CSE Undergraduate Advising Office.

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### Digital Signal Process Design

Lab 071 will meet with EECS 434- Lab 11 in EECS 4341. STUDENTS ARE AUTO-ENROLLED IN LECTURE 007 WHEN THEY ELECT A DIS 071.

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### Accessible Software Design

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Students are auto-enrolled in lecture when they elect a discussion.

Organic Electronic Devices

*3 CREDITS for Sec 001*, Prerequisites for LEC 001: Senior level quantum physics, electricity and magnetism

Control & Modeling Pwr Elect

* 3 CREDITS for Lec 002 * Prerequisites for Lec 002: EECS 418 and familiarity with classical control concepts, or equivalents, or permission of instructor.

Motion Planning

* 3 CREDITS for Lec 003 * Prerequisites for Lec 003: Undergraduate Linear Algebra (e.g. MATH 214 ) and significant programming experience (e.g. EECS 281).

Quantum Semiconductors

* 3 CREDITS for Lec 007 *, Prerequisites for Lec 007: PHYSICS 240 AND (EECS 334 or EECS 434 or EECS 320 or EECS 520 or EECS 540)

Network Information Theory

* 3 CREDITS for Lec 005 * Prerequisites for Lec 005: Permission of Instructor

High Frequency Integrated Circ

* 3 CREDITS for Lec 006 * Prerequisites for Lec 006: EECS 413, EECS 411

Power System Markets & Opt

*3 CREDITS for Sec 007*, Prerequisites for LEC 007: EECS 463 or permission of instructor

Mining Large-scale Graph Data

* 4 CREDITS for Lec 008 and DIS 081*, Prerequisites for Lec 008: Basic knowledge of linear algebra, programming (e.g., Python, JAVA, Matlab, R), and machine learning.

Computational Data Science

* 4 CREDITS for Lec 009 and DIS 091 or DIS 092*, Prerequisites for Lec 009: Programming experience in MATLAB, Python or R. Meets with EECS 551, which covers more theory than EECS 598, Sec. 09. Credit cannot be received for both EECS 598 Sec. 09 and EECS 551.
Randomness in Computation
**4 CREDITS for LEC 010 and DIS 101**, Prerequisites for LEC 010: EECS 376 or EECS 477

Social Computing Systems
**4 CREDITS for LEC 011**, Prerequisites for Lec 011: Graduate Standing

Mining Large-scale Graph Data
STUDENTS ARE AUTO-ENROLLED IN LECTURE 008 WHEN THEY ELECT A DISCUSSION 081, "4 CREDITS for Lec 008 and DIS 081", Prerequisites for Lec 08: Basic knowledge of linear algebra, programming (e.g., Python, Java, Matlab, R), and machine learning.

Computational Data Science
"4 CREDITS for Lec 009 and DIS 091 or DIS 092", Prerequisites for Lec 009: Programming experience in MATLAB, Python or R. Meets with EECS 551, which covers more theory than EECS 598, Sec. 09. STUDENTS ARE AUTO-ENROLLED IN LECTURE 009 WHEN THEY ELECT A DISCUSSION 091 or DISCUSSION 092.

Computational Data Science
"4 CREDITS for Lec 009 and DIS 091 or DIS 092", Prerequisites for Lec 009: Programming experience in MATLAB, Python or R. Meets with EECS 551, which covers more theory than EECS 598, Sec. 09. STUDENTS ARE AUTO-ENROLLED IN LECTURE 009 WHEN THEY ELECT A DISCUSSION 091 or DISCUSSION 092.

Directed Study
"4 CREDITS for LEC 010 and DIS 101", Prerequisites for LEC 010: EECS 376 or EECS 477

Elect Opt Semicon
"4 CREDITS for Lec 008 and DIS 081", Prerequisites for Lec 008: Basic knowledge of linear algebra, programming (e.g., Python, Java, Matlab, R), and machine learning.

VLSI Design II
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB.

Num Meth E-M
"4 CREDITS for Lec 009 and DIS 091 or DIS 092", Prerequisites for Lec 009: Programming experience in MATLAB, Python or R. Meets with EECS 551, which covers more theory than EECS 598, Sec. 09. STUDENTS ARE AUTO-ENROLLED IN LECTURE 009 WHEN THEY ELECT A DISCUSSION 091 or DISCUSSION 092.

Nonlin Opt
"4 CREDITS for Lec 009 and DIS 091 or DIS 092", Prerequisites for Lec 009: Programming experience in MATLAB, Python or R. Meets with EECS 551, which covers more theory than EECS 598, Sec. 09. STUDENTS ARE AUTO-ENROLLED IN LECTURE 009 WHEN THEY ELECT A DISCUSSION 091 or DISCUSSION 092.

Quantum Opt
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Comp Model Cogn
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"4 CREDITS for Lec 009 and DIS 091 or DIS 092", Prerequisites for Lec 009: Programming experience in MATLAB, Python or R. Meets with EECS 551, which covers more theory than EECS 598, Sec. 09. STUDENTS ARE AUTO-ENROLLED IN LECTURE 009 WHEN THEY ELECT A DISCUSSION 091 or DISCUSSION 092.

Master's Thesis
"4 CREDITS for Lec 009 and DIS 091 or DIS 092", Prerequisites for Lec 009: Programming experience in MATLAB, Python or R. Meets with EECS 551, which covers more theory than EECS 598, Sec. 09. STUDENTS ARE AUTO-ENROLLED IN LECTURE 009 WHEN THEY ELECT A DISCUSSION 091 or DISCUSSION 092.

Research Work EECS
"4 CREDITS for Lec 009 and DIS 091 or DIS 092", Prerequisites for Lec 009: Programming experience in MATLAB, Python or R. Meets with EECS 551, which covers more theory than EECS 598, Sec. 09. STUDENTS ARE AUTO-ENROLLED IN LECTURE 009 WHEN THEY ELECT A DISCUSSION 091 or DISCUSSION 092.

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Diss-Cand
"4 CREDITS for Lec 009 and DIS 091 or DIS 092", Prerequisites for Lec 009: Programming experience in MATLAB, Python or R. Meets with EECS 551, which covers more theory than EECS 598, Sec. 09. STUDENTS ARE AUTO-ENROLLED IN LECTURE 009 WHEN THEY ELECT A DISCUSSION 091 or DISCUSSION 092.
Engineering Undergraduate Education

Engineering (ENGR)

100 Intro Engineering 4.00 ADVISORY
STUDENTS ELECTING DIS (101-104) WILL BE AUTO-ENROLLED IN LEC 100.

14365 A R LEC 100 TTH 230-4PM 1200 EECs Wynarsky, Hildinger

Biomed Devices & Ortho Implant
20890 P R DIS 101 TTH 1230-130PM 3150 DOW Wynarsky
20891 P R DIS 102 TTH 130-230PM 3150 DOW Wynarsky
20892 P R DIS 103 TTH 1230-130PM 136 EWRE Hildinger
20893 P R DIS 104 TTH 130-230PM 136 EWRE Hildinger
26939 A R LEC 150 MW 12-130PM 1010 DOW Cotel, Sulewski

A River Runs Through It
26945 A R LEC 200 TTH 9-1030AM 133 CHRYS Alfano, Hildinger

Design in the Real World
25778 P R DIS 203 TTH 130-230PM 3427 EECs Hildinger
25779 P R DIS 204 TTH 1130-1230PM 3427 EECs Hildinger

Microprocessors and Toys
19258 A R LEC 300 TTH 12-130PM 1311 EECs Pierce, Bowden
19259 A R LAB 301 M 8-10AM ARR Hogg Jr

Human Power Generation
22566 A R LEC 400 TTH 130-3PM 2246 SRB Dick, Liu, Zahn

Self Driving Cars & Drones
22567 A R LAB 401 F 830-1030AM 108 GFL Grimble
22568 P R DIS 402 F 1030-1230PM 108 GFL Grimble
22569 P R DIS 403 F 1030-1230PM 108 GFL Grimble
22570 P R DIS 404 F 1230-130PM 136 EWRE Grimble
22571 A R LAB 405 F 130-330PM 108 GFL Zahn
22572 P R DIS 406 F 1230-130PM 1024 FXB Zahn
24528 A R LAB 407 F 330-530PM 108 GFL Zahn
24529 P R DIS 408 F 230-330PM 1032 FXB Zahn

STUDENTS ELECTING DIS (452-456) WILL BE AUTO-ENROLLED IN LEC 450 AND THE CORRESPONDING LAB. Ex. elect Dis 452, auto-enrolled in Lab 451.

Green Engr-Harness the Wind
10706 A R LEC 450 TTH 12-130PM 1012 FXB De Roo, Hogg Jr

THIS LAB MEETS IN 429 SRB
20406 P R LAB 453 F 12-1PM 2424 SRB Springsteen
20407 P R DIS 454 F 12-1PM 2424 SRB Springsteen
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**Urban Mobility**

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**Intro to Aerospace Engineering**

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**Engr Biological Systems**

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**Intro Comp & Prog**

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This course culminates in a Spring Break site visit to Havana, Cuba from 2/25-3/5. The last class meeting is 3/14 on campus.

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This course meets six times over the course of the semester: January 10, January 17, January 24, January 31, March 7, Final presentation: March 28 or April 11. Mark your calendars now.

This course will be a lecture (1 credit) course for Fr, So, & Jr ENG students and related to the Multidisciplinary Design Minor.

This course will be a lab (3 credit) course for Sr ENG students and related to the Multidisciplinary Design Minor.

This course will be a lab (3 credit) course for Sr ENG students and related to the Multidisciplinary Design Minor.

Consult Wolverine Access for course sections associated with each study abroad destination.

This course will be a lecture (4 credit) course for each study abroad destination.

This course will be a lab (3 credit) course for each study abroad destination.

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<td>PI LEC 231 Space Launch Research Team</td>
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Entrepreneurship (ENTR)

390 Spec Topics Entr 2.00-3.00
28004 A  LEC 005 W 230-330PM 107 GFL Shtein
Intro to Entrepreneurial Des
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

* YOU CANNOT DIRECTLY ENROLL IN THIS LECTURE. You must pick a lab first (ENTR 390.007 - 010).

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Are you:
* Designing doorknobs for a Mars colony?
* Tired of browsing crappy university web pages?
* Inventing the best app ever for the Nest or the Apple Watch?
* Have ideas and want to prototype them before the next pitch to investors?
* Wondering why you aren't going to an online college instead?

Entrepreneurial Design is a cross-disciplinary course for current and aspiring designers, hackers, and makers. This gateway entrepreneurship course allows students to build foundational knowledge of entrepreneurial design with the opportunity to apply these skills in a hands-on lab (ENTR 390.008 - 010).

Learning Objectives: Students will train in patterns of thought that help them anticipate and drive innovations in technology, business, policy; train in advanced and powerful inventing / problem identification and solving methods; earn to identify and meet customer/user needs and wants (i.e.: building stuff you and others actually want to use and buy); obtain practical building skills in a specific digital, physical, or combination platform (i.e.: showing how something works is more effective than just telling stories about it).

26407 P  W LAB 008 F 1-4PM 1321 DC Alexander-Adams, Shtein
Hardware/Coding, IoT
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

* STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT THIS LAB.

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In this lab, you'll design, prototype, and make Internet of Things (IoT) devices to learn the basics of micro controllers in a hands-on way. You'll also collaborate with others across disciplines to develop your own hardware- and IoT-based entrepreneurial ideas.

Learning Objectives: Students will: develop a basic understanding of coding and electronics; utilize sketching to express, develop, and communicate design ideas; create functional prototypes through engagement in the design process; employ an iterative design approach, integrating concepts from the lecture to develop their final projects; apply a variety of methods for documenting and communicating the progress of their designs.

26408 P W LAB 009 T 1-4PM 1401 DC O'Grady, Shtein
3D Printing/Prototyping
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

* STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT THIS LAB.

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In this lab, you'll learn how to operate and design for 3D printing machines such as the PrintrBot Play and Form 2. You'll also learn how to use various Rapid Prototyping and Manufacturing (RP&M) applications such as slicers and inspection tools.

Learning Objectives: Students will develop the fundamental skills to operate and design for the additive manufacturing process (3d printing); learn how to operate various types of 3d printers to include the PrintrBot Play, and Form 2; learn Autodesk Fusion 360, how to operate the Nextengine 3D Laser Scanner, and how to incorporate 3d scan data into one's design; utilize various Rapid Prototyping and Manufacturing (RP&M) applications to include slicers, and inspection tools.

26409 P W LAB 010 M 12-3PM 1401 DC O'Malley, Shtein
Virtual Reality
* Students from ALL schools and colleges may take this course.
In this lab, you'll learn how to develop virtual reality content for the Oculus Rift and MIDEN using Unreal Engine and 3D Studio Max. You'll also be introduced to asset creation (3D modeling with 3D Studio Max) and scene assembly functionality by bringing assets into the Unreal Engine & creating interactive experiences through Unreal's Blueprint system. At the end of the class you'll be capable of developing virtual reality experiences, simulations, and tools to address real-world problems.

Learning Objectives: Students will have an understanding of how to generate digital content for Virtual Reality platforms; be knowledgeable on versatile file formats, content pipelines, hardware platforms and industry standards; understand methods of iterative design and the creation of functional prototypes using this medium; employ what is learned in the lecture section of this course to determine what is possible, what is marketable, and what are the various distribution methods available within this platform; become familiar with documenting their design process and also pitching their ideas to others, receiving and providing quality feedback.

26413 P  W LEC 011 M 6-8PM 1024 FXB Habeger

E-Commerce Entrepreneurship
* Students from ALL schools and colleges may take this course.
* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

In this course, you'll learn how to start your own profitable business selling consumer products online. We'll also cover the potential pitfalls to stay away from and analyze other e-commerce businesses.

Learning Objectives: Students will be able to present a turnkey business with a functioning website, product photos/videos, sourcing plan, shipping/fulfillment plan, and advertising plan.
26595 P  W LEC 012 M 4-6PM B1570 BUS

Digital Product Design
* Students from ALL schools and colleges may take this course.
* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

In this course, you'll learn the total end-to-end process of discovering a digital product need, prototyping a digitized product and getting feedback to relentlessly improve it. In doing so, you'll be a part of creating the next generation of products that disrupts the economy and reinvents the ways we live - from how we learn and exercise, to how we socialize and get around.

Learning Objectives: Students will learn how to: use design thinking to discover problems worth solving, generate and prototype solutions, and test with real users; design own product(s) by creating wireframes, interactions, and visual designs; use typography, color, shape, space - and industry-standard tools like Sketch, Invision, etc - to build designs that are attractive, simple, and functional; solicit constructive feedback, critique design work, and substantiate criticism; discuss topics in the design world, including usability, user experience design, user interface design, and design research.
26624 PI  LEC 013 T 4-6PM 1690 BEYSTER McGuire, Sick

TechLab MCity
* Students from ALL schools and colleges may take this course.
* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

In this course, you'll be responsible for completing an open-ended autonomous vehicle or mobility project (assigned by a company in the autonomous vehicle/mobility space), and as such gain experience in developing cutting edge technology for an early stage startup.

To apply go to http://cfe.umich.edu/techlab-mcity/

Learning Objectives: Students will know how to recognize ambiguity, become comfortable with it, and use project management techniques to plan for the unexpected; utilize project management tools, techniques, and skills; understand assigned company's technology and how it creates value for a customer segment; gain exposure to
entrepreneurship and its role in solving big problems; align resources for effective project implementation;
appreciate organizational dynamics, communication strategies and stakeholder motivations; identify and utilize key
performance metrics for project success; learn to assume responsibility for matters of great importance to assigned
company; begin to make transition from student to professional engineer; engage in collaborative learning; immerse
themselves in a startup that is developing cutting edge technology for the transportation industry; lead technical
and strategic discussion on steps required to achieve technical milestones; discuss a Tech Lab company's work
during class discussion and how it relates in the context of class.

407 Entrepreneurship Hr
20451 P W SEM 001 F 1230-130PM STAMPS
Entrepreneurship Hour
* Students from ALL schools and colleges may take this course.
* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be
directed to InnovateBlue or your home department.

In this course, you'll be exposed to disruptive, influential and respected entrepreneurs, venture capitalists and
business leaders and learn about their personal experiences founding, financing and managing a startup venture.

This seminar series is designed to expose students to entrepreneurship through interaction with experienced
entrepreneurs, business leaders, and venture capitalists as well as individuals involved in emerging business
models, new venture creation, and technology commercialization. While covering a broad set of engineering
disciplines, guest speakers will share their knowledge on the latest, most diverse practices on legal, financial,
and other innovation issues. The lectures include leading entrepreneurs and executives, technology innovators,
experts from the financial markets, and others who support the entrepreneurial infrastructure. Following these
seminars, students will be able to meet the guest speakers along with other members of the entrepreneurial
community.

408 Patent Law
23593 P RW LEC 001 T 6-8PM 1024 FXB
Patent Law
* Students from ALL schools and colleges may take this course.
* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be
directed to InnovateBlue or your home department.

In this course, you'll gain an overview of intellectual property (IP) law with a focus on patent law. You'll learn
the fundamentals and leave the class able to identify patentable ideas and possible infringement issues in order to
create an IP strategy.

Inventors and entrepreneurs have four concerns related to patent law:
1. protecting inventions during product development
2. determining invention patentability
3. avoiding infringement
4. leveraging a patent as a business asset

This course addresses these concerns through the application of case law and business cases to an invention of a
student's choice.

409 Intro to Venture Capital
20450 P RW LEC 001 TTH 6-8PM 1012 EECS
Intro to Venture Capital
* Students from ALL schools and colleges may take this course.
* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be
directed to InnovateBlue or your home department.

In this course, you'll work in teams to learn how to: (1) identify an innovative idea, (2) evaluate whether your
idea will be successful, (3) operate and run a company to bring your idea to life, and (4) persevere and dedicate
yourself to your venture in good times and bad.

Learning Objectives: Students will take a team based approach, grouped together with someone who has already
identified a basic idea or innovation to work on (trait 1). The instructor will provide students a framework to
evaluate the idea (trait 2). Whether simulating a venture capitalist, entrepreneur, or corporate employee, this
process is the first step in determining if the idea has enough merit to further pursue as a business or
investment; This framework will also help you to communicate the idea (trait 3) through providing a final
presentation of your findings. Owing to the compressed timeframe of this short-course, students will get a sense
of the speed at which most entrepreneurs are required to operate. This intense effort will give students a sense
of the dedication (trait 4) great entrepreneurs must have.

410 Finding Your Venture

Finding Your Venture

* Students from ALL schools and colleges may take this course.

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

In this course, you'll learn how to dramatically simplify the business creation process by radical prioritization, identifying good opportunities and learning when to walk away from a bad one, and learning that it is possible, and actually very common, to be a moderately successful non-famous entrepreneur.

It's hard to start a company, but it doesn't have to be complicated. This course dramatically improves your odds of starting a viable business by providing a framework for identifying large, attractive opportunities. Every student will leave with a viable business opportunity to pursue and a set of valuable and repeatable skills that will be an asset in any entrepreneurial setting.

Entrepreneurship Practicum

* Students from ALL schools and colleges may take this course.

In this course, you'll be immersed in the entrepreneurial process in a supportive classroom environment. You'll learn how to critically evaluate then pursue the development of your own ideas for new ventures by working closely with entrepreneurship faculty and mentors.

Learning Objectives: Students will experience entrepreneurship firsthand; Understand and experience the mindset of an entrepreneur; Develop the ability to share the story of your entrepreneurial pursuits and clearly articulate customer needs, value proposition, customer segments, and value-adding solutions; Learn to go from idea phase to action and implementation, including validation through sales; Learn the customer discovery process of gaining empathy, understanding customer needs and wants, getting feedback from customers, prototyping solutions, and testing a value proposition; Actively practice exercising the customer discovery process; Become familiar with the process of starting a business; Learn problem solving in a team-based environment.

In this specific section you'll gain the skills you need to develop a technology company. Specifically, you'll apply the scientific method and lean startup principles to designing a business that is sustainable, scalable, and repeatable.

Learning Objectives: Students will experience entrepreneurship firsthand; Understand and experience the mindset of an entrepreneur; Develop the ability to share the story of your entrepreneurial pursuits and clearly articulate customer needs, value proposition, customer segments, and value-adding solutions; Learn to go from idea phase to action and implementation, including validation through sales; Learn the customer discovery process of gaining empathy, understanding customer needs and wants, getting feedback from customers, prototyping solutions, and testing a value proposition; Actively practice exercising the customer discovery process; Become familiar with the process of starting a business; Learn problem solving in a team-based environment.

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Learning Objectives: Students will experience entrepreneurship firsthand; understand and experience the mindset of an entrepreneur; develop the ability to share the story of your entrepreneurial pursuits and clearly articulate customer needs, value proposition, customer segments, and value-adding solutions; learn to go from idea phase to action and implementation, including validation through sales; learn the customer discovery process of gaining empathy, understanding customer needs and wants, getting feedback from customers, prototyping solutions, and testing a value proposition; actively practice exercising the customer discovery process; become familiar with the process of starting a business; learn problem solving in a team-based environment.

412 Adv Entr Practicum 3.00
27710 P W LEC 001 TTH 6-8PM A859 CHEM-TBLC Hennessy
Adv Entr Practicum
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

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In this course, you'll grow your venture by building upon the problem validation and customer discovery developed in ENTR 411 and outside of the classroom. Modeled off real-world startup incubator and accelerator programs, you'll learn a variety of entrepreneurship principles and apply them to your venture as the class progresses.

As this course is by Instructor Consent, you must apply here: http://myumi.ch/Jy4j7

Learning Objectives: Students will experience running, growing, and leading their own sustainable ventures to create value; apply fundamental entrepreneurship principles, including sales, marketing, legal considerations, and finance; develop the ability to share their story of entrepreneurial pursuits, pitch, and clearly articulate customer needs, value proposition, customer segments, and value-adding solutions; actively practice entrepreneurship by developing an entrepreneurial venture that includes developing a solution and developing customers; learn to form and launch their own company, go to market, and acquire customers.

413 Entr Marketing 2.00
27985 P RW LEC 001 T 3-5PM 1008 FXB Ozery
Entrepreneurship Marketing
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

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In this course, you'll learn how to build a ?lean? marketing plan that will maximize your chance of successfully growing a new concept from an idea to a product to a repeatable and scalable business with little or no resources in an ever-changing environment.

Learning Objectives: Students will learn about the development of a market-based orientation for a start-up company; students will learn about the creation of a marketing plan for a new venture. Topics and concepts will include knowing one's customers, discovering if anyone want the product, how to articulate one's value proposition, marketing segmentation and targeting, customer discovery research, maintenance and growth of a customer base, distribution channels and partners, pricing and revenue, marketing metrics/testing/iteration; students will create an entrepreneurial marketing plan.

417 Entr Hr Dis Session 1.00 ADVISORY
20885 P W DIS 001 F 230-330PM 1680 IOE Gordon
Entr Hour Discussion
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

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In this course, you'll talk 1:1 with disruptive, influential and respected entrepreneurs, venture capitalists and business leaders about their personal journey of founding, financing and managing their ventures.

Learning Objectives: Students will connect topics gleaned from the gateway ENTR 407 class in order to continue dialogue about the lecture series presentation and/or with the guest speaker her/himself; make use of outside readings and engage in in-class activities; develop an entrepreneurial mindset and apply this mindset to future studies and/or career aspirations; reflect on entrepreneurship and how it applies to their life goals.

490 Spec Topics Entr 1.00-3.00
26410 P W LEC 012 W 6-9PM 1690 BEYSTER
Urban Entrepreneurship
* Students from ALL schools and colleges may take this course.
In this course, you'll learn how to engage a community to identify an important problem and design a sustainable business model that solves it. Whether you're designing the school lunch of the future or the successor to Uber, you're in for a challenging and rewarding experience.

Learning Objectives: Students will clearly understand the definition of urban entrepreneurship, and how urban-focused businesses compare to others; learn to effectively analyze and compare the business models of urban-focused ventures; engage the community on multiple levels to ascertain and prioritize needs; capture an identified community need in a well-defined problem statement; understand and apply design thinking to formulate potential solutions for the identified problem; identify a scalable, for-profit business opportunity to implement the proposed solution; develop a business model that will effectively document the business opportunity; apply Customer Discovery and Human Centered Design methods to test and refine the business model; understand the processes required to form, finance, and begin execution of a new business venture; learn to effectively pitch the venture to prospective co-founders, investors, employees, and others.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses
* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

In this course, you'll receive hands-on training, access to experience entrepreneurs, and a paid summer internship. This course is only available to students enrolled in the Entrepreneurs Leadership Program. For more information, visit http://cfe.umich.edu/elp

Learning Objectives: Students will receive practical, hands-on learning assignments to develop their skills in areas of individual leadership, operations, innovation, and execution with an emphasis on these four areas/objectives. 1. Understanding startups: We will learn about startups through case studies and studying other key principles. 2. Industry Assessment: We will gain deeper understanding of specific industries through a variety of research and analysis approaches. 3. Opportunity Identification: Building on the foundational knowledge of startups and industries, we will work to identify opportunities for innovation. 4. Validation: After identifying innovation opportunities, we will actively test approaches, ideas, products, and services to develop those opportunities.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses
* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.

In this course, you'll learn about vision, culture, storytelling, mission, strategy development, the role of the CEO, the difference between the CIO and the CEO, communicators, hiring / firing and operations and management. You'll broaden your perspective of how to get a startup going, scaled, and funded.

Learning Objectives: Students will be introduced to the fundamentals of how to identify their own values and leadership style and build a complimentary team to support that style; acquire best practices for handling team recruiting, management, incentives, conflict resolution, and pathways to success; differentiate between high functioning and poor performing teams; develop an understanding of key factors that enhance or diminish the likelihood of team success; process, communication, delegation and accountability; understand team dynamics in a typical entrepreneurial start-up environment.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses
* Questions as to whether this course will count toward your degree or the Entrepreneurship minor should be directed to InnovateBlue or your home department.
Learning Objectives: Students will be able to: Describe the value proposition and customer segment for either their own research, favorite product, or service. Draw a value Chain Map and an Eco System Map. Complete the Revenue Model, Value Proposition, Channels, Customer Segments of the Business Model Canvas. Complete the left hand side of the Business Model Canvas. Enter concise descriptions of the Cost Structure plus Key Partnerships, Resources, and Activities. Conduct Customer Discovery interviews. Name at least five regulatory agencies, code and/or standards, and certifications. Compare two competing business models from a given market segment and determine how technology and innovation was used by a startup to displace an established business. Define a patent in their own words. Explain two major differences between each of the following: trade secret, patent, trademark, and copyright. Generate a Gantt Chart. Generate a simple budget. Generate a 30 Second Elevator Pitch. Analyze conflicts and summarize the issue, people involved, final resolution. Learn how stock options work.

In this course, you'll learn about the various types of compensation, funding, and ownership (CFO), from 100% investor-owned to 100% employee-owned. You'll look at CFO from the perspective of an employee, founder, and investor, and learn the trade offs of ownership, stock options, and valuation to know how you and others should be fairly compensated.

Learning Objectives: Students will develop the critical thinking skills and analytical frameworks necessary to grasp the trade-offs of equity and employee ownership as it pertains to both them personally and to the business. Students should also be able to select the appropriate corporate structure for a variety of ventures, negotiate and establish basic shareholder governance, calculate capitalization tables, and estimate the value of an entrepreneurial venture. Students will also learn how to make informed tactical and strategic decisions around the efficient and effective and deployment of equity, and how to best negotiate for that equity from an employee's perspective.

In this course, you'll learn intellectual property (IP) strategies for new ideas and startups, including barriers to entry for competitors and infringement risk reduction. Topics include IP procurement, technology transfer, due diligence, and preparing for and avoiding litigation. You should have your own research to apply what's learned in the class.
Learning Objectives: Students will leave this course with a solid understanding of: 1. The difference between holding IP rights and freedom to operate; 2. For the major types of IP (patents, copyrights, trademarks, and trade secrets), what rights they include, how to obtain those rights, and how to avoid unnecessarily losing those rights. 3. How to use IP to protect a competitive advantage in a target market. 4. How to identify and address risks related to IP infringement. 5. How to avoid common IP stumbling blocks for startups, including: selecting a name, securing ownership of IP from the creators; the dangers associated with past employment. 6. The basic aspects of major legal milestones for an early-stage technology venture, such as incorporation and financing. 7. How IP (and other early-stage legal decisions) align with a company's business model and strategy.

550 Interpersonal Skills 3.00 ENFORCED
27999 P RW LEC 001 T 4-7PM 1427 MH Fretz
Interpersonal Skills
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree should be directed to your home department.

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Do people sometimes or often surprise, irritate, or enrage you? Looking back over the last year, can you think of a time you lost control? or would like a do over?? By building your self awareness and Emotional Intelligence, you can gain insight, self control, and produce consistently positive results for yourself and others.

Theories of leadership will be discussed and unpacked, with the intent of more fully understanding sources of leadership power and the positive and negative aspects of various leadership styles. At the interplay of these themes is the concept of the dynamic, optimized function of a high-performing team - the creation and maintenance of which lies at the heart of most business success. Characteristics of such teams, including visionary leadership, communication, and passion will be reviewed in detail. Vital interpersonal skill sets such as questioning, providing feedback, and mentoring will be defined and developed in terms of best available research and practices. Moving beyond the initial phase of theory and interpersonal awareness, the course will also require students to apply their developed understanding to various case studies, scenarios, and projects. While not focusing explicitly on business practices and entrepreneurial activities, the entire course will be grounded in this field and will rely heavily on tying in the real world experiences of students and instructor to maximize the future applicability of what is learned.

599 Spec Topics Entr 2.00-3.00
25993 P RW LEC 021 M 3-6PM 1033 DENT Boldt
Creativity & Design
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree should be directed to your home department.

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Successful project managers and consultants possess the skills necessary to manage their teams, clients, activities, schedules, risks, communications and resources to produce desired outcomes. This course introduces the tasks and challenges fundamental to project management, the vital function of managing complex projects; and consulting, the business of giving expert advice.

Learning Objectives: Upon completion of the course, students should be able to: understand the key elements of project management & consulting, which includes: Sell, Engage, Scope, Plan, Research, Innovate, Decide, Manage, Change Management, Close. Manage a project from beginning to end.

25993 P RW LEC 021 M 3-6PM 1033 DENT Boldt
Creativity & Design
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree should be directed to your home department.

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In this course, you'll be guided through the Design Thinking process 3 times in order to develop an in-depth understanding of how to create empathy with users and create solutions that work and truly resonate. You'll also learn how to clearly communicate your ideas and give constructive feedback to each other.

Learning Objectives: The course's objectives for its students will be:

- A paradigm shift: to learn about other ways of thinking and principles that can pivot their approach to viewing and reacting to the world.

- Defining creativity: to create a working definition so that the students can achieve a clearly identified goal. ID your personal creative style via discovering what you are most enthusiastic about and what types of endeavors make you excited to create.

- Discuss methods and approaches that contribute to individual, team and organizational creativity- how you can bring down barriers to creative thinking and the importance of attitude and positive affirmations.

- Develop a skill set and program of continuing study and practice that develops creative mentors, practices and
environments.

- Gain confidence in your creative talent.
- Learn the importance of consumer / audience qualitative research and understanding in the design process.
- Develop a working knowledge of the design thinking process.
- Practice problem framing and solution analysis to help with organizational design.
- Learn how to apply the design thinking process to build solutions and innovations.
- Expand creative ability and increase productivity and happiness by learning about obstacle removal in creative practice.
- Explore team building exercises and processes with the hope that there will be a resulting change in attitude—that our thoughts and actions are not in isolation. Partnership and community are critical to both creative living and design success.

28166 P RW LEC 030 T 5-8PM 1436 MH Cell
Project Management
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree should be directed to your home department.

====

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Learning Objectives: Upon completion of the course, students should be able to: understand the key elements of project management & consulting, which includes: Sell, Engage, Scope, Plan, Research, Innovate, Decide, Manage,
Change Management, Close. Manage a project from beginning to end.

29570 PIR LEC 032 TTH 1-230PM 1650 CHEM Gibson
ELP Entrepreneurial Leadership
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree should be directed to your home department.

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In this course, you'll receive hands-on training, access to experience entrepreneurs, and a paid summer internship. This course is only available to students enrolled in the Entrepreneurs Leadership Program. For more information, visit http://cfe.umich.edu/elp

Learning Objectives: Students will receive practical, hands-on learning assignments to develop their skills in areas of individual leadership, operations, innovation, and execution with an emphasis on these four areas/objectives. 1. Understanding startups: We will learn about startups through case studies and studying other key principles 2. Industry Assessment: We will gain deeper understanding of specific industries through a variety of research and analysis approaches. 3. Opportunity Identification: Building on the foundational knowledge of startups and industries, we will work to identify opportunities for innovation. 4. Validation: After identifying innovation opportunities, we will actively test approaches, ideas, products, and services to develop those opportunities.

29817 P  W LEC 050 M 5-7PM 2150 DOW Bailey
DE&I in Entrepreneurship
* Students from ALL schools and colleges may take this course.

* Syllabi and workload information and other ENTR courses can be found at cfe.umich.edu/courses

* Questions as to whether this course will count toward your degree should be directed to your home department.

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In this course, you'll learn how to critically think through the process of creating a DEI plan through group work, role playing and activities.

Learning Objectives: In this course, students will: Read the College of Engineering's diversity, equity, and inclusion (DEI) plan. Perform pre-class assignments based on what student reads, Discuss students' thoughts and findings as a group and with speakers, Provide feedback to the College from students' perspective, and (most importantly), and Learn now to utilize the College's DEI principles in students' future jobs and throughout future careers.

33295 P  W LEC 737 M 5-8PM 1552 CCL Dalton, Crumm
Stories of successful business ventures from PharmD and PhD graduates of the College of Pharmacy abound! This new short course will engage graduate and professional students in team-based learning to understand the basics of starting or operating a successful new business in any pharmacy discipline, including ventures based on new drugs,
new delivery systems, community pharmacy, and/or pharmacy healthcare. Topics will include business fundamentals, intellectual property, marketing, regulatory issues, and more.

University Arts (UARTS)

**Creative Process**

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In this course sponsored by ArtsEngine, students explore the creative process through a structured sequence of exercises in four studio modules: sound, motion, visual images/objects, and verbal/symbolic language. Faculty from Art & Design (Andrew Thompson); Music, Theatre & Dance (Amy Chavasse); Architecture (Gregory Saldana); and Engineering (Jeremy Bond) introduce a variety of creative strategies for generating problem solving ideas through hands-on projects. Weekly colloquia (Stephen Rush), discussions, and readings supplement projects. Grading is based upon attendance, class participation, a journal, four mini-projects, evidence of intellectual and creative process development, and a final culminating project. This course is appropriate for UM undergraduate students at all levels and in all disciplines. It is a fast paced, information-rich educational experience, offering insights that will make creativity and innovation an integral part of life and work.

STUDENTS ELECTING LAB (102-105) WILL BE AUTO-ENROLLED IN LEC 100 & DIS 101 (meditation session, which is optional).

**Spec Topics in UARTS**

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This section is a Transdisciplinary Exploration of Architecture and Sound, and will meet on N. campus; location TBD.

**Creative Process**

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ENROLLMENT IN LAB SECTION AUTO-ENROLLS STUDENTS IN LECTURE

STUDENTS ARE CONTACTED BY INSTRUCTOR ABOUT CLASS LOCATION

**Spec Topics in UARTS**

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This section is a Transdisciplinary Exploration of Architecture and Sound, and will meet on N. campus; location TBD.
Industrial-Operations Engr Dep
Industrial And Operations Engineering (IOE)

FIRST 7 WEEK CLASSES BEGIN WEDNESDAY, JANUARY 3 AND END TUESDAY, FEBRUARY 20, 2018.
SECOND 7 WEEK CLASSES BEGIN MONDAY, MARCH 5 AND END TUESDAY, APRIL 17, 2018.

201 Econ Dec Making 2.00 ENFORCED
10734 P R LEC 001 TTH 830-1030AM 1610 IOE
MEETS THE FIRST HALF OF THE TERM.
25699 PDR LEC 002 TTH 830-1030AM 1940 COOL
MEETS THE FIRST HALF OF THE TERM.

202 Operations Modeling 2.00 ENFORCED
10735 P R LEC 001 TTH 830-1030AM 1610 IOE
MEETS THE SECOND HALF OF THE TERM.
25700 PDR LEC 002 TTH 830-1030AM 1940 COOL
MEETS THE SECOND HALF OF THE TERM.

265 Prob&Stat Engr 3.00 ENFORCED
10736 P R LEC 100 MW 9-1030AM 1610 IOE
Chao

310 Intro to Optm Meth 3.00 ENFORCED
10737 P RW LEC 001 MW 1030-12PM 1311 EECS

316 Intro Markov Proc 3.00 ENFORCED
10744 P R LEC 001 TTH 1030-12PM 1610 IOE

333 Ergonomics 3.00 ADVISORY
10745 P R LEC 001 MW 12-130PM 1610 IOE
D’Souza

334 Ergonomics Lab 1.00 ADVISORY
10746 P R LAB 001 M 130-330PM G699 IOE Woolley
10750 P R LAB 006 F 130-330PM G699 IOE Woolley

366 Linear Stat Models 3.00 ENFORCED
10752 P R LEC 001 MW 130-3PM 1610 IOE Byron

373 Data Processing 4.00 ADVISORY, ENFORCED
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB.
10753 A R LEC 001 MW 330-5PM 1610 IOE Garcia-Guzman
10754 P R LAB 002 F 9-1030AM 1610 IOE
10755 P R LAB 003 F 1030-1130AM 1610 IOE
10756 P R LAB 004 F 1130-1230PM 1610 IOE
10757 P R LAB 005 F 1230-130PM 1610 IOE
10758 P R LAB 006 F 130-230PM 1610 IOE
10759 P R LAB 007 F 230-330PM 1610 IOE
10760 P R LAB 002 TH 9-1030AM 1610 IOE
10761 P R LAB 003 TH 1030-1230PM 1610 IOE
10762 P R LAB 004 TH 1230-230PM 1610 IOE
10763 P R LAB 005 TH 230-330PM 1610 IOE
10764 P R LAB 006 F 9-1030AM 1610 IOE
10765 P R LAB 007 F 1030-1230PM 1610 IOE
10766 P R LAB 008 F 1230-230PM 1610 IOE

410 Adv Optm Methods 3.00 ENFORCED
32480 P RW LEC 001 TTH 12-130PM 1680 IOE Nagarajan

416 Queuing Systems 2.00 ADVISORY, ENFORCED
17229 P RW LEC 001 TTH 3-5PM 1017 DOW
Blumenfeld

419 Service Oper Mgmt 3.00 ENFORCED
22695 P RW LEC 001 MW 9-1030AM 133 CHRYS Daskin

424 Practicum Prod&Srv 4.00 ENFORCED
10760 P RW LEC 001 M 7-9PM 1610 IOE Reaume
10769 P RW LEC 001 T 1030-1230PM 1680 IOE Sathe

425 Lean Mfg&Services 2.00 ENFORCED
10761 P RW LEC 001 MW 130-530PM G906 COOL
Levantrosser

436 Human Factors 3.00 ADVISORY, ENFORCED
10762 P RW LEC 001 MW 130-3PM 1680 IOE Green

438 Occup Safety Mgt 2.00 ADVISORY, ENFORCED
14282 P RW LEC 001 M 5-7PM 1303 EECS Diebol
14283 P RW LEC 002 M 5-7PM 1303 EECS

441 Prod&Inv Contrl 3.00 ADVISORY, ENFORCED
10763 P R LEC 001 TTH 530-7PM 1610 IOE Gusikhin

449 Matl Handling Sys 3.00 ENFORCED
22496 P RW LEC 001 MW 130-3PM 1121 LBME Bozer

453 Derivative Instrmnts 3.00 ENFORCED
14281 P RW LEC 001 MW 12-130PM 2153 GGBL Saigal

463 Measure&Des of Work 3.00 ADVISORY
21210 P W LEC 001 MW 1030-12PM 1680 IOE Armstrong

465 Design of Experimts 3.00 ADVISORY, ENFORCED
25401 P RW LEC 001 TTH 1030-12PM 1680 IOE Yang

466 Stat Quality Control 3.00 ADVISORY, ENFORCED
10764 P RW LEC 001 TTH 12-130PM 1670 BEYSTER Jin

474 Simulation 4.00 ADVISORY, ENFORCED

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# Integrative Systems and Design

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</table>

Section 882 is reserved for distance learning students only. Elvira Rivera eromero@umich.edu is the person for students to contact to sign up for SEC 882.

Section 883 is reserved for distance learning students only. Elvira Rivera eromero@umich.edu is the person for students to contact to sign up for SEC 883.

Risk Analysis I
Program In Manufacturing

Manufacturing (MFG)

402 Stat Quality Control 3.00 ADVISORY
25608 P W LEC 001 TTH 1130-1PM 104 EWRE Ni

406 Lean Mfg&Services 2.00 ENFORCED
22457 P RW LEC 001 MW 330-530PM G906 COOL Levantrosser

MEETS FIRST HALF OF THE TERM.
ALL ENROLLMENT IS UNDER IOE 425.

22458 P RW LEC 002 MW 5-7PM 1610 IOE Levantrosser

MEETS SECOND HALF OF THE TERM.
ALL ENROLLMENT IS UNDER IOE 425.

411 Prod&Inv Control 3.00 ADVISORY, ENFORCED
10782 P R LEC 001 TTH 530-7PM 1610 IOE Gusikhin

449 Matl Handling Sys 2.00 ENFORCED
22500 P RW LEC 001 MW 130-3PM 1121 LBME Bozer

452 Design for Mfg 3.00 ADVISORY
31108 P W LEC 001 TTH 10-1130AM 165 CHRYS Saitou
31430 P LEC 881 ARR Saitou

Distance Learning

456 Derivative Instruments 3.00 ENFORCED
14700 P RW LEC 001 MW 12-130PM 2153 GGBL Saigal

458 Design Problems 1.00-4.00 ADVISORY
18515 P W LEC 001 MW 4-530PM 1670 BEYSTER Armstrong

462 MarStruct Const 3.00 ADVISORY
30722 P LEC 001 MW 4-530PM 1109 FXB Taub, Tuteja

466 Stat Quality Control 3.00 ADVISORY, ENFORCED
10784 P RW LEC 001 TTH 12-130PM 1670 BEYSTER Jin

480 Matl Engr Design 3.00 ADVISORY
17226 A R LEC 001 TTH 2-330PM 1109 FXB Tuteja, Taub
23619 P LAB 002 TTH 1-2PM 1121 LBME Taub, Tuteja

502 Mfg System Design 3.00 ADVISORY
19712 P W LEC 001 TTH 8-10AM 165 CHRYS Kannatey-Asibu Jr, Less
19727 PD LEC 881 TTH 8-10AM ARR Kannatey-Asibu Jr

503 Mfg Project 3.00 ADVISORY
D IND +

504 Tauber Inst Project 3.00 ADVISORY
D IND +

514 Comp Matrls 3.00 ADVISORY
18515 P LEC 001 TTH 4-530PM 165 CHRYS Robertson
23553 P LEC 881 TTH 4-530PM ARR Robertson

517 Biopharm Eng 3.00 ADVISORY
32592 P LEC 001 TTH 5-630PM 1017 DOW Tessier

534 Occup Biomec 3.00 ADVISORY
24643 P LEC 001 MW 9-1030AM 1005 EECS Martin

543 Scheduling 3.00 ADVISORY
32739 P LEC 001 MW 10-1130AM 1008 EECS Meerkov
32683 P RW LEC 001 MW 10-1130AM 2153 GGBL Bozer

547 Supply Chain Fac 3.00 ADVISORY
32683 P RW LEC 001 MW 10-1130AM 2153 GGBL Bozer

555 Design Optim 3.00 ADVISORY
10786 P W LEC 001 MW 10-1130AM 165 CHRYS Austin-Breeman
26169 PD LEC 881 ARR Austin-Breeman

Distance Learning

Section 881 is reserved for distance learning students only. Elvira Rivera eromero@umich.edu is the person for students to contact to sign up for SEC 881.

556 Fatigue Mech Des 3.00 ADVISORY
25607 P W LEC 001 MW 330-5PM 1003 EECS Pan

564 Prod Syst Eng 3.00 ADVISORY
32258 P W LEC 001 TTH 4-530PM 165 CHRYS Meerkov
32561 P LEC 881 TTH 4-530PM ARR Meerkov

Section 881 is for distance learning students only.

572 Adv Marine Design 4.00 ADVISORY
10787 P W LEC 001 MW 2-4PM A RR Berniltsas

577 Opt,Mgmt Marine Syst 3.00 ADVISORY
30922 P LEC 001 MW 1030-1230PM 2238 SRB Perakis

584 Adv Mechantronics Mfg 3.00 ADVISORY
27319 P W LEC 001 TTH 12-130PM 1008 EECS Okwudire

587 Global Mfg 3.00 ADVISORY
31128 P W LEC 001 TTH 3-430PM 151 CHRYS Barton
31129 P LEC 881 ARR Barton

590 Directed Stdy&Res 1.00-3.00 ADVISORY
D IND +

599 Spec Topics in Mfg 1.00-4.00 ADVISORY
33070 P LEC 001 TTH 10-1130AM ARR Saitou, Chamoli

Advanced Design for Manufacturing
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Materials Science & Engineering

Materials Science Engineering (MATSCIE)

Structure, properties, and processing relationships in engineering materials. This section is particularly well-suited for Aerospace and NERS students (minor added emphasis on composites and radiation effects on materials).

This section of MSE 220 is a team based and project based version of the class where the first introduction to the material is NOT lecture, but rather annotated reading. Class time will consist of active learning activities.

There will be three group projects in this class. Students will be required to purchase an electronic textbook via the Canvas site that will be live in December. The book will cost ~$70 or ~$55 for a rental and students will also be required to purchase a subscription to Learning Catalytics ($12). There are no other fees for the course.

Homework is graded for effort and honesty - not accuracy. Quizzes are graded by averaging a closed book, closed notes, individual effort, with an open book, open internet, group effort. You will be rewarded for hard work and honesty on homework and exams without the angst of 100% summative assessment. Do not purchase the book at this time. More information will be available on the following website: http://java.engin.umich.edu/220w18

Labs for MSE 365 are held in the Van Vlack Undergraduate Lab, second floor of the H.H. Dow building.

For permission to register, contact Patti Vogel at pvogel@umich.edu.

Lab for MSE 480 will be held in either Design lab 1 or 3 in the Duderstat or 1100 Dow North Campus, this will be determined by your instructor

Lab for MSE 562 will be held in the MC2 Center of NCRC North Campus Research Complex building 22

Lab for MSE 562 will be held in the MC2 Center of NCRC North Campus Research Complex building 22

Materials Lab II

Vocabulary of Visual Communication
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# Mech Eng & Applied Mech Dept

## Mechanical Engineering (MECHENG)

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This is a small class section. In order to enroll, you must take discussion section ME 211-020.

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**Thermodynamics I**

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## Naval Arch & Marine Engr Dept

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Enroll in a Lab and you will be auto-enrolled in the lectures. NA 391 Lab sections will meet in the Marine Hydrodynamics Lab on central campus. NA 391 Lab sections will meet in the Marine Hydrodynamics Lab on central campus.

Class will meet in 236 NAME (Rosenblatt Room) and meet with the instructor for 30 minutes on Thursday afternoon during the Winter 2014 term. Please make arrangements with the instructor early.

In addition to lecture on Tuesdays, groups must arrange to meet with the instructor for 30 minutes on Thursday afternoon during the Winter 2014 term. Please make arrangements with the instructor early.

Class will meet in the Marine Hydrodynamics Lab in West Hall on Central Campus. Specific directors to the class will be sent prior to the first meeting.

Class will meet in 236 NAME (Rosenblatt Room).

Please note that this course is being updated and will be offered for THREE (3) Credits in the Winter 2018 term. Plan accordingly.
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## Nuclear Engineering and Radiological Sciences (NERS)

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### Additional Lecture Sessions

- **Tuesday, January 13, 10:00am - 12:00pm**
- **Tuesday, January 20, 10:00am - 12:00pm**
- **Tuesday, January 27, 10:00am - 12:00pm**
- **Tuesday, February 3, 12:00pm - 2:00pm**

Laboratory sessions will be arranged after term begins.

### Students

Students are auto-enrolled in lecture when they elect a lab.

- **NERS 575 lab is located in 1958 COOLEY**

---

**U of M Schedule of Classes**

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WN 2018 2170 12-18-2017 12:12 20249727
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The lab location for NERS 586 is in 1962 Cooley.
IN ORDER FOR STUDENTS TO MAINTAIN THEIR PLACE IN CLASS, THEY MUST EITHER ATTEND ONE OF THE FIRST TWO CLASS MEETINGS OR NOTIFY THE DEPARTMENT OF THEIR INTENDED ABSENCE PRIOR TO THE FIRST DAY OF CLASS.

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All students enrolled in TC497 must be concurrently enrolled in a Computer Science Major Design Experience (MDE) course.

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FOR STUDENTS WHO HAVE NEVER TAKEN THIS CLASS.

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MAY BE ELECTED BY STUDENTS WHO HAVE PREVIOUSLY TAKEN THIS CLASS. STUDENTS SHOULD ATTEND THE FIRST DAY OF SECTION 001.

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# Environment and Sustainability

School for Environment and Sustainability (EAS)

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Fire Ecology

Please note students who took GIS & RS: Wildland Fire & Env Dis in Winter 2016 cannot take this course for credit.

## Interview Methods

### Interview Methods: Data Collection

- **1.5CR**
  - CAT#: 501
  - Course Title: Grad Experimental
  - CR: 2.00-3.00

### Food Literacy Seminar

- **160**
  - CAT#: 501
  - Course Title: Grad Experimental
  - CR: 2.00-3.00

### Dig Media Disc

- **160**
  - CAT#: 501
  - Course Title: Grad Experimental
  - CR: 2.00-3.00

### Sustainable Futures Analysis

- **160**
  - CAT#: 501
  - Course Title: Grad Experimental
  - CR: 2.00-3.00

### Tripie Bottom Line Workshop

Prerequisite: Students must have taken either NRE 501.159 (W17) or NRE 530 (F17) in order to take this course.

The textbook is available in the U of M digital library.

### Conservation Biology

- **3.00**
  - CAT#: 501
  - Course Title: Grad Experimental
  - CR: 2.00-3.00

### Wildlife Ecol & Mgmt

- **3.00**
  - CAT#: 501
  - Course Title: Grad Experimental
  - CR: 2.00-3.00

### Principles of GIS

- **3.00**
  - CAT#: 501
  - Course Title: Grad Experimental
  - CR: 2.00-3.00

### Nat Res Statistics

- **4.00**
  - CAT#: 501
  - Course Title: Grad Experimental
  - CR: 2.00-3.00

### Remote Sensing

- **4.00**
  - CAT#: 501
  - Course Title: Grad Experimental
  - CR: 2.00-3.00

### Psy Env Stewardship

- **3.00**
  - CAT#: 501
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  - CR: 2.00-3.00

### Int Environ Policy

- **3.00**
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**Intro to Python for Env Inform**
Intro to Python for Environ Informatics 1CR
This seminar discusses current topics of con bio, biodiversity, and the health of natural ecosystems.

**Environ Justice in Europe & US**
This seminar intends to examine communalities and differences in the perspectives on environmental justice in the U.S. and Europe. The seminar will be jointly led by Dr. Paul Mohai of the University of Michigan in Ann Arbor and Dr. Willi Haas of Alpen-Adria University in Vienna. Students and faculty from the two Universities will meet via teleconferencing (skype, etc.) for two hours, once per week, on Tuesdays starting March 7 and weekly through April 25.
This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). This problem solving course will challenge a multidisciplinary team of students to address a real-world problem in the area of sustainable food systems. Food: what we eat, how and where we produce it, where we buy it, and who has access to it has profound effects on human health, economies, and the environment. The current US food system, which delivers abundant, “cheap” and “safe” food to millions of people has embedded in it practices, policies, and outcomes that are not sustainable or desirable at a societal level. From water shortages and tainted drinking water to diet-related diseases and environmental costs, sustainability in food systems is critical to communities, nations, and our species.

This course will focus on one particular problem: how to enhance local (or regional) production, sale and consumption of fruits and vegetables within the United States, with a particular focus on Michigan and the Great Lakes region. Classes will primarily operate as discovery sessions with industry, governmental, and academic experts. The course culminates with students creating, and presenting to a team of experts and/or stakeholders, a business or operational plan proposing their solution.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Students may apply for the course by submitting the required application materials to the PSI registration site (https://problemsolving.law.umich.edu/) between October 23, 2017, and November 3, 2017.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Meeting renewable portfolios standards and expanding renewable energy markets requires overcoming numerous technological, societal, and legal hurdles. In this course, students will briefly examine these and the myriad other challenges facing renewable energy markets and then generate solutions to address one of those challenges.

Renewable energy offers the promise of energy security and reduced greenhouse gas emissions that are critical to climate change mitigation efforts in the United States and throughout the world. Twenty-nine states and the District of Columbia impose minimum renewable energy standards on their utilities' generation portfolios; eight states have renewable energy goals. The most ambitious standard is in Hawaii, which seeks to meet 100 percent of its energy needs from renewable sources by 2045, followed by Vermont (75 percent by 2032), California (50 percent by 2030), and the District of Columbia (50 percent by 2032). In Michigan, the renewable portfolio standard will be 15 percent in 2021.

Challenges facing renewable energy markets include an antiquated electricity transmission network geared to local generation and distribution that does not readily accommodate transmission of renewable energy from states where there is abundant supply to population centers; management of the electricity grid to provide stability in the face of the intermittent nature of renewable energy at limited scale; having sufficient storage capacity for renewable energy so that electricity is available at peak periods of demand; and ensuring price competitiveness of renewable energy through a combination of monetary and fiscal policy, while avoiding regressive impacts and geographical cost disparities. Addressing these challenges will require modification to existing laws and regulations.
Classes will include discovery sessions with industry, governmental, and academic experts. At the end of the term, students will present an integrated proposal to an expert review panel.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Students may apply for the course by submitting the required application materials to the PSI registration site (https://problemsolving.law.umich.edu/) between October 23, 2017, and November 3, 2017.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Working as a group with guidance from the instructors, students will develop a plan to address how the lack of social capital among inner-city entrepreneurs impedes the development of viable businesses and successful entrepreneurs and prevents the development of a healthy entrepreneurial ecosystem in inner cities. We will focus on innovative, community-based solutions to this problem. Students will work collaboratively across disciplines to understand the current situation, explore current best practices, and create a plan to present to a hypothetical organization such as a state or local government, a foundation, a non-profit organization, or a public-private partnership.

Class sessions will focus heavily on interactive discussion, presentations, and interviews with experts. Students will be expected to spend significant time outside of class working in teams to interview relevant stakeholders, conduct research, draft documents and develop the plan.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Students may apply for the course by submitting the required application materials to the PSI registration site (https://problemsolving.law.umich.edu/) between October 23, 2017, and November 3, 2017.

This course meets only the 1st 7 weeks of term.

Please note that this course is restricted to SNRE PhD students.

This course meets only the 1st 7 weeks of term.

Natural Resources And Environment (NRE)

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## Information

### School of Information

#### Information (SI)

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### Notes:
- Students should not take this course if they took SI 206 prior to fall 2016.
- Sophomore status or above required for enrollment. Waiver available from instructor for select freshmen.
605 Interdisc Prob Solv 3.00 ADVISORY
33206 PI LAB 001 T 3-4PM 1070 LSSH Wilensky, Moghtader
605 Interdisc Prob Solv 3.00 ADVISORY
33230 PI LAB 002 T 3-4PM 1070 LSSH Wilensky, Moghtader

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605 Interdisc Prob Solv 3.00 ADVISORY
33206 PI LAB 002 T 3-4PM 1060 LSSH Uhlmann, Saigal, Hines Jr
605 Interdisc Prob Solv 3.00 ADVISORY
P LAB 002 T 410-610PM 1060 LSSH Uhlmann, Saigal, Hines Jr

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Meeting renewable portfolios standards and expanding renewable energy markets requires overcoming numerous technological, societal, and legal hurdles. In this course, students will briefly examine these and the
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Kinesiology

NOTE - ENROLLMENT NOT GUARANTEED FOR STUDENTS OTHER THAN KINESIOLOGY MAJORS. ATTENDANCE AT FIRST CLASS SESSION IS MANDATORY TO RESERVE YOUR PLACE IN CLASS. ACTIVITY CLASSES FOR NON-MAJORS ARE LISTED IN THE U-MOVE PROGRAM, AT THE END OF THE KINESIOLOGY SECTION.

School Of Kinesiology

Athletic Training (AT)

115 Prev&Care Ath Inj 3.00 30.00
Concurrent enrollment in AT 115 is required for AT 115.
18149 P RW LEC 001 MW 1-230PM 3040 CCRB Palmieri-Smith
117 Prev&Care-AT Inj Lab 2.00 ADVISORY 30.00
AT 117 must be taken concurrently with AT 115.
18150 P RW LAB 001 TTH 8-10AM ARR Pickerman
205 Clin Exp Ath Train B 3.00 ADVISORY
16801 PIRW LEC 001 M 7-9PM 1250 USB Czajka
215 Clin Eval LE Inj I 3.00 ADVISORY
17343 PIRW LEC 001 TTH 830-10AM 3733 CCRB Czajka
Requires concurrent enrollment in AT 217.
217 Clin Eval LE Inj II 1.00 ADVISORY
18089 PIRW LAB 001 TH 10-12PM 3100 OBL Curran
Requires concurrent enrollment in AT 215.

218 Emergency Response 3.00 25.00
20750 P RW LEC 001 MW 1-230PM ARR Harris
This section will meet in CCRB 3275.
22478 P RW LEC 002 TTH 10-1130AM 3275 CCRB Winkelseth
This section will meet in CCRB 3275.
22479 P RW LEC 003 TTH 830-10AM 3275 CCRB Harris
This section will meet in CCRB 3275.
22480 P RW LEC 004 TTH 10-1130AM 3275 CCRB Harris
This section will meet in CCRB 3275.

220 Anatomy & Physiology 3.00 ADVISORY
13677 P RW LEC 001 MWF 11-12PM 3040 CCRB Thatcher
AT 220 students must concurrently enroll in the AT 221.002 lab. HF students, please enroll in HF 220. Movement Science students should not enroll in this course.

221 Appl Hum Anat Lab 1.00 ADVISORY
23368 P RW LEC 001 T 10-12PM 3100 OBL Curran
This section is reserved for AT students, ONLY. AT 220 students must concurrently register for AT 221.001. (This course is crosslisted as HF 221. HF 220 students must register for HF 221.002.)
23369 P RW LEC 002 F 8-10AM 3100 OBL Musick
AT 221.002 is NOT open to enrollment for W18. AT 220 students must concurrently register for AT 221.001. (This course is crosslisted as HF 221. HF 220 students must register for HF 221.002.)

305 Clin Exp Ath Train D 3.00 ADVISORY
16802 PIRW LEC 001 M 7-9PM ARR Czajka
306 Teach Exp IR IND + 1.00-3.00 ENFORCED
402 IR IND + ARR Czajka
403 Internship in AT 1.00 ADVISORY
16298 PIR LAB 001 ARR Czajka
405 Clin Exp Ath Train F 3.00 ADVISORY
16803 PIRW LEC 001 M 7-9PM ARR Czajka
413 SpecialTopics MVS AT 2.00-3.00
25842 P RW LEC 002 MW 530-7PM 3040 CCRB Brown, Hurvitz
Living with Cerebral Palsy: A Multidisciplinary approach
W18- no enrollment in this section.
25846 P RW LEC 004 TTH 1-230PM ARR Gross
AT 413.004 is closed to enrollment. The crosslisting is MOVESCI 413.004. Advisory Prereq: MOVESCI 330; In this course you will use motion capture to collect and analyze biomechanical data in a group project. The course format is blended - online assignments before class will prepare you for hands-on learning activities during class.
36428 P RW LEC 005 M 230-530PM 2100 OBL Haus
W18- section closed

420 Pharm Allied Hi Prof 2.00 ADVISORY, ENFORCED
20564 P RW LEC 001 MW 10-1130AM 3050 CCRB Czajka
468 Ind Study AT 1.00-2.00 ADVISORY
I IND + ARR Czajka

Health and Fitness (HF)

218 Emergency Response 3.00 25.00
19901 P RW LEC 001 MW 1-230PM ARR Harris
This section will meet in CCRB 3275.
22461 P RW LEC 002 TTH 10-1130AM 3275 CCRB Winkelseth
This section will meet in CCRB 3275.
22462 P RW LEC 003 TTH 830-10AM 3275 CCRB Harris
This section will meet in CCRB 3275.
22463 P RW LEC 004 MW 10-1130AM 3275 CCRB Harris
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<td>HF 221.001 is NOT open to enrollment for W18. Kines HF 220 students must concurrently register for the HF 221 lab section. 2. (This course is crosslisted as AT 221. AT 220 students must register for AT 221.001.)</td>
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**Kinesiology (KINESLGY)**

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New Zealand
Australia - Univ of Wollongong
Australia - University of Wollongong
South Korea
South Korea

402 Teach Exper
1 IND +
1.00-3.00 ADVISORY

413 Special Topics MVS AT
Living with Cerebral Palsy: A Multidisciplinary Approach
2.00-3.00

Note: Dr. Gross will contact students with the course location, prior to the start of classes.

Advisory Prereq: MOVESCI 330; In this course you will use motion capture to collect and analyze biomechanical data in a group project. The course format is blended - online assignments before class will prepare you for hands-on learning activities during class.

416 Environmental Policy
3.00 ENFORCED

421 Disorder Vol Move
4.50-PM
3.00 ENFORCED

Course Location: SPH2 1112

425 PA & Ped Disability
3.00 ENFORCED

429 Lab Mtr Cnt Dev
10-1130AM
1.00-3.00 ADVISORY

439 Lab Biomechanic
1.00-3.00 ADVISORY

446 Soc Factors Phys Act
230-4PM
3.00 ENFORCED

449 Lab Exer Phys
830-10AM
1.00-3.00 ADVISORY

513 Experimental Course
3.00 ADVISORY

This course is an elective graduate course in sport management. The main goal of this course is to provide students with both a theoretical and an applied understanding of the values and limits to sponsorship-linked marketing. The course takes an interdisciplinary approach and treats sponsorship as a contributor to an overall communications platform. Most importantly, throughout this course, students will develop and conduct a sponsorship research that can address ongoing issues in the sponsorship industry.
Sport RealEst: FacilityFin&Dev

W18- KINESLGY 513.004 is offered as a Meet-Together with SM 313.004.

581 Service - Hith Prof 2.00

34059 PD REC 001 W 3-5PM ARR Farris
The course description can be found at: https://pharmacy.umich.edu/service.
Note that permission is required to register for this course. Pharmacy 503, PubHlth 503, and Social Work 573, Kines
581, and MoveSci 481 are cross listed courses. If you would like to register, please send a request (including your student ID#) to: ServiceForHealth@umich.edu.

615 Phil Sci Res Kines 3.00

34059 PD REC 001 W 3-5PM ARR Farris

34059 PD REC 001 W 3-5PM ARR Farris

616 Prof Skills Res Sci 3.00

19103 P RW LEC 001 TH 1-4PM 2100 OBL Brown

26007 P RW LEC 002 TH 830-1130AM 3040 CCRB Wang

19103 P RW LEC 001 TH 1-4PM 2100 OBL Brown

619 Thesis Research 1.00-6.00 ADVISORY

ARR ARR

682 Ind Read in Kin IND + ARR 1.00-3.00 ADVISORY

684 Ind Res in Kin IND + ARR 1.00-6.00 ADVISORY

685 Res Rotation in Kin 3.00-6.00 ADVISORY

17342 PIR LAB 001 ARR ARR Ferris

17871 PIR LAB 002 ARR ARR Horowitz

17872 PIR LAB 003 ARR ARR Ulrich

19736 PIR LAB 004 ARR ARR Brown

19755 PIR LAB 005 ARR ARR Palmieri-Smith

20652 PIR LAB 007 ARR ARR Rosentraub

20713 PIR LAB 008 ARR ARR Kwak

21331 PIR LAB 009 ARR ARR Heinz

22277 PIR LAB 010 ARR ARR Babiak

22296 PIR LAB 011 ARR ARR Szymanski

22297 PIR LAB 012 ARR ARR Armstrong

22973 PIR LAB 013 ARR ARR Hasson

22974 PIR LAB 014 ARR ARR Gates

25135 PIR LAB 015 ARR ARR Grant Long

25189 PIR LAB 016 ARR ARR Goulet

26400 PIR LAB 017 ARR ARR Moore

686 Intern in Kines IR IND + ARR 1.00-6.00 ADVISORY

990 Diss-Precand IR IND + ARR 1.00-8.00 ADVISORY

995 Diss-Cand IR IND + ARR 8.00 ENFORCED

Movement Science (MOVESCI)

110 Bio&Beh Bases Hu Mvt 3.00

13649 P RW LEC 001 MWF 10-11AM 3040 CCRB Kern, Hasson, Vesia
This section is held for Kinesiology students. Non-Kinesiology students should waitlist under section 011.

19103 P RW LEC 001 MWF 10-11AM 3040 CCRB Kern, Hasson, Vesia
This section is held for Kinesiology students. Non-Kinesiology students should waitlist under section 012.

13650 P RW LEC 002 MWF 10-11AM 1100 OBL Kern, Hasson, Vesia
This section is held for Kinesiology students. Non-Kinesiology students should waitlist under section 013.

13651 P RW LEC 003 MWF 10-11AM 1100 OBL Kern, Hasson, Vesia
This section is held for Kinesiology students. Non-Kinesiology students should waitlist under section 014.

24369 P RW LEC 011 MWF 10-11AM 3040 CCRB Kern, Hasson, Vesia
This section is intended as a waitlist for non-Kinesiology students who wish to enroll in section 001.

24370 P RW LEC 012 MWF 10-11AM 1100 OBL Hasson, Kern, Vesia
This section is intended as a waitlist for non-Kinesiology students who wish to enroll in section 002.

24371 P RW LEC 013 MWF 10-11AM 1100 OBL Hasson, Kern, Vesia
This section is intended as a waitlist for non-Kinesiology students who wish to enroll in section 003.

219 Scientific Writing 3.00

21156 P RW LEC 001 TTH 330-5PM 1100 OBL Clark

21157 P RW LEC 002 TTH 5-630PM 1100 OBL Clark

21158 P RW LEC 003 MW 830-10AM 3100 OBL Palmieri-Smith

21159 P RW LEC 004 MW 2-330PM 3100 OBL Clark

23247 P RW LEC 005 TTH 1150-1PM 3733 CCRB Clark

230 Hum Musculo Anat 3.00

16301 P RW LEC 001 MW 830-10AM AUD C AH Gross
KINES MOVESCI 230 students must concurrently register for one MOVESCI 231 lab.

231 Hum Musculo Anat Lab 1.00

22453 P RW LAB 001 W 230-430PM 3100 OBL Wall
Kinesiology students must concurrently enroll in MOVESCI 230.

32099 P RW LAB 002 F 10-12PM 3100 OBL Musick
Kinesiology students must concurrently enroll in MOVESCI 230.

22454 P RW LAB 003 F 12-2PM 3100 OBL Thatcher
Kinesiology students must concurrently enroll in MOVESCI 230.

22455 P RW LAB 004 TH 530-730PM 3100 OBL Thatcher
Kinesiology students must concurrently enroll in MOVESCI 230.

22456 P RW LAB 005 W 430-630PM 3100 OBL Wall
Kinesiology students must concurrently enroll in MOVESCI 230.

240 Intro to Fit&Health 3.00

MOVESCI 240 is not open to enrollment, but is crosslisted as HF 240.

Students will need to request an override.

"Intro Surgical Neuromonitoring" can be substituted for PHYSIOL 201 as a prerequisite for MOVESCI 320 (only.)

Students will need to request an override.

"Intro Surgical Neuromonitoring" can be substituted for PHYSIOL 201 as a prerequisite for MOVESCI 320 (only.)

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"Intro Surgical Neuromonitoring" can be substituted for PHYSIOL 201 as a prerequisite for MOVESCI 320 (only.)

Students will need to request an override.

"Intro Surgical Neuromonitoring" can be substituted for PHYSIOL 201 as a prerequisite for MOVESCI 320 (only.)

Students will need to request an override.

"Intro Surgical Neuromonitoring" can be substituted for PHYSIOL 201 as a prerequisite for MOVESCI 320 (only.)

Students will need to request an override.

"Intro Surgical Neuromonitoring" can be substituted for PHYSIOL 201 as a prerequisite for MOVESCI 320 (only.)

Students will need to request an override.

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Students will need to request an override.

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Students will need to request an override.

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Students will need to request an override.

"Intro Surgical Neuromonitoring" can be substituted for PHYSIOL 201 as a prerequisite for MOVESCI 320 (only.)

Students will need to request an override.
Note: Dr. Gross will contact students with the course location, prior to the start of classes.
Advisory Prereq: MOVESCI 330; In this course you will use motion capture to collect and analyze biomechanical data in a group project. The course format is blended - online assignments before class will prepare you for hands-on learning activities during class.

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Physical Education (PHYSED)

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Class will be held at CCRB in the Bell Pool. Students must register through the Kinesiology Community Programs (KCP) website (kines.umich.edu/community-programs) or in RM 3064 CCRB and request an override. To drop/override, contact kebwink@umich.edu. Little or no swim experience? This course is for you. You'll start with entering the pool and getting comfortable. You'll progress to front crawl, back crawl, elementary backstroke, breaststroke, sidestroke, and butterfly. And you'll learn jumping in, treading, and water safety. Goal: one length of the pool. Goggles recommended. Attendance in at least one of the first two classes is mandatory for evaluation or you may lose your spot in class to those on a waitlist. No enrollments are accepted after the class meets a third time.
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Little or no swim experience? This course is for you. You'll start with entering the pool and getting comfortable. You'll progress to front crawl, back crawl, elementary backstroke, breaststroke, sidestroke, and butterfly. And you'll learn jumping in, treading, and water safety. Goal: one length of the pool.

Goggles recommended. Attendance in at least one of the first two classes is mandatory for evaluation or you may lose your spot in class to those on a waitlist. No enrollments are accepted after the class meets a third time.

To drop/request override, contact kebwink@umich.edu. Pre-req: Must have ability to swim one length (long way) each of crawl, backstroke and breaststroke. Intermediate swim focuses on refining strokes while building endurance. Each of the strokes will be taken apart and put back together better than before! Other topics covered include laps, treading water, diving and water safety. Goal: one length of the pool.

Goggles recommended. Attendance in at least one of the first two classes is mandatory for evaluation or you may lose your spot in class to those on a waitlist. No enrollments are accepted after the class meets a third time.

Beginning Swim II is for students who are already comfortable in the water and who can swim across the pool (the short way). The course works on building endurance and improving technique in freestyle, backstroke, elementary backstroke, breaststroke, sidestroke, butterfly, diving and treading water as well as water safety. Flip turns and other activities will be offered as skills advance. Goggles recommended. Attendance in at least one of the first two classes is mandatory for evaluation or you may lose your spot in class to those on a waitlist. No enrollments are accepted after the class meets a third time.

Students must register through the Kinesiology Community Programs (KCP) website (kines.umich.edu/community-programs) or in Rm 3064 CCRB and request an override. To drop/request override, contact kebwink@umich.edu.

Little or no swim experience? This course is for you. You'll start with entering the pool and getting comfortable. You'll progress to front crawl, back crawl, elementary backstroke, breaststroke, sidestroke, and butterfly. And you'll learn jumping in, treading, and water safety. Goal: one length of the pool.

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Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

Students will engage in active learning by working in small groups on case studies provided live by current professionals from across the sport industry. Case studies will examine challenges faced by organizations as they strive for success in the dynamic landscape of sport business. Students will apply knowledge and skills developed in other sport management coursework as they collaborate to solve real problems and present their proposals to industry executives, further strengthening problem-solving and analytic skills while also enhancing written and oral communication skills in the context of professional presentations.

This course involves a careful examination of marketing and sponsorship strategy in the sport industry, specifically highlighting and analyzing problems which brands, athletes, teams, leagues, and other organizations have in trying to grow their business or brand presence within or through sports.

Emphases are on the use of established strategy and marketing frameworks learned in other courses, but on how the application, conclusion, or outcome might differ within the context of sports vs. in other industries. It is an exploratory course designed primarily for students who have already taken other business, marketing, or sport management classes. However, it also meets the general needs of students outside of a marketing or sport management concentration with an introduction into sports marketing and marketing in the sports industry. The course fulfills three SM elective credits.

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

This course is intended to prepare SM students to conduct their job search.

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.
Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

346  Prin of Marketing  3.00  ADVISORY
27682  P RW LEC 001  MW  1-230PM  2100 OBL  Basten

Students who have already completed SM 435 are encouraged to enroll into SM 346.002 (Phelan.)

29358  P RW LEC 002  MW  830-10AM  3040 CCRB  Phelan

Students who have already completed SM 435 are encouraged to enroll into SM 346.002 (Phelan.)

346  Prin of Marketing  3.00  ADVISORY
27682  P RW LEC 001  MW  1-230PM  2100 OBL  Basten

Students who have already completed SM 435 are encouraged to enroll into SM 346.002 (Phelan.)

370  Honors Reading  1.00-3.00  ADVISORY
380  Honors Research  1.00-3.00  ADVISORY
390  Field Experience  0.50-4.00  ADVISORY
402  Teach Experience SM  1.00-2.00  ADVISORY
403  Internship in SM  0.50-3.00  ADVISORY
13693  PIR LAB 001  ARR  ARR  Donahue, Phelan
20872  PIR LAB 002  ARR  ARR  Donahue, Phelan
20873  PIR LAB 003  ARR  ARR  Donahue, Phelan
20874  PIR LAB 004  ARR  ARR  Donahue, Phelan
22537  PIR LAB 005  ARR  ARR  Donahue, Phelan

432  Hum Res Mang in Spt  3.00  ADVISORY
26176  P RW LEC 001  TTH  1130-1PM  3040 CCRB  Phelan

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

433  Spt&Public Policy  3.00  ADVISORY
25802  P RW LEC 001  W  1130-230PM  1544 CCL  Pollick

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

434  Mgr Ethcs Spt Films  3.00  ADVISORY
16310  P RW LEC 001  MW  830-10AM  3735 CCRB  Basten

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

437  Psych Sport&Exer  3.00  ENFORCED
25803  P RW LEC 001  MW  1130-1PM  3735 CCRB  George

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

439  Snsrshp Lndk Mrktng  3.00  ADVISORY
23331  P RW LEC 001  TTH  830-10AM  3050 CCRB  Kwak

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

440  Sport & Eco Dev  3.00
23332  P RW LEC 001  MW  230-4PM  3735 CCRB  Rosentraub

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

445  Sport Tourism  3.00
31799  P RW LEC 001  MW  830-10AM  1100 OBL  Sant

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

470  Independent Study  1.00-3.00  ADVISORY
490  Sr Honors Thesis  1.00-2.00  ADVISORY
499  Strat of Sport Orgs  3.00  ENFORCED
21903  P RW LEC 001  MW  1130-1PM  2100 OBL  Babiak

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

503  Legal Asp of Sport  3.00
16840  P RW LEC 001  T  5-8PM  2100 OBL  Pollick

Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.

519  Spt Mgmt in Depth  2.00-3.00  ADVISORY
532  Org Behavior and HR  3.00
23341  P RW LEC 001  F  11-2PM  2100 OBL  Heinze
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**Core Courses (RCCORE)**

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**Humanities (RCHUMS)**

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LSA freshmen and sophomores can contact the instructor for permission to enroll.
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Students will only meet 1-2 hours per week, chosen from the listed course hours by the instructor after the interview/audition. Tuesday 6-9PM section meets in EQB503.

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Memoir: Writing from Within

Writing for Performance

Christian-Muslim Relations

Personal, Present & Immediate

The Art of Failure

Literature/Empire

Engaging the Archive

Workshop w/ Incarcerated Poets

Children Under Fire

Empowering Community

Reason/Passion 18thC

Creative Musician

Musicianship Lab

StageComedy;Machiavelli -Wilde

Creative Writing

Creative Writing

Found Instruments

Symphonic Century

Renaissance Drama

Creative Writing

Creative Writing

Play Production Sem

Play Production Sem

Theater of Tennessee Williams

Director and Text

Director and Text

Drama Topics

Interdivisional (RCIDIV)

Special Topics

Languages (RCLANG)

Intensive French

Intensive German
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# Law

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**Literature, Science & the Arts**

NOTE--IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS MAY BE REGISTERED OFFICIALLY FOR A COURSE, DEPARTMENTS MAY GIVE AWAY STUDENT’S PLACES IN A COURSE IF THEY DO NOT ATTEND:

---THE FIRST MEETING OF BIOLOGY, CHEMISTRY, AND PHYSICS LABORATORIES;
---THE FIRST MEETINGS OF HISTORY 396 AND 397;
---EITHER OF THE FIRST TWO MEETINGS OF ENGLISH COURSES;
---EITHER OF THE FIRST TWO MEETINGS OF ANY COURSE OFFERED BY THE DEPARTMENT OF ROMANCE LANGUAGES;
---THE FIRST TWO MEETINGS OF COURSES IN OTHER DEPARTMENTS.

AT THE SAME TIME, DEPARTMENTS ARE NOT OBLIGATED TO WITHDRAW STUDENTS OFFICIALLY FROM THE COURSE, EVEN THOUGH THE STUDENT HAS BEEN INFORMED THAT HIS/HER PLACE IN A COURSE HAS BEEN TAKEN AWAY. STUDENTS ARE RESPONSIBLE FOR THE ACCURACY OF THEIR SCHEDULES AND MUST BE SURE THAT ALL DROPS ARE PROCESSED THROUGH THE REGISTRATION SYSTEM DURING THE NORMAL DROP/ADD PERIOD.

**Department of Afro-American and African Studies**

**Afroamerican & African Studies (AAS)**

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385 African Lit 3.00 ADVISORY

31955 | P W LEC 001 MW                      |    | 10-1130AM 2336 MH Desai |

Contemporary African Lit

408 African Ec Soc&Poli 2.00-4.00 ADVISORY

31002 | P SEM 001 TTH                       |    | 1-230PM 1505 CCL Stein |

385 Afri Diaspora Religions 3.00

30428 | P LEC 001 F                         |    | 10-1PM 1460 MH Johnson |

422 African Cultures 3.00 ADVISORY

25679 | P W LEC 001 TTH                      |    | 230-4PM 2009 RUTHVEN Owusu |

432 Viol Environmt: Oil 4.00 ADVISORY

24108 | S W LEC 001 TTH                      |    | 4-530PM 1068 EH Adunbi |

33001 | P DIS 002 M                          |    | 9-10AM 3347 MH Adunbi |

33002 | P DIS 003 M                          |    | 10-11AM 3347 MH Adunbi |

453 Southern Africa 3.00 ADVISORY

32528 | P SEM 001 MW                         |    | 230-4PM 2325 MH Pitcher |

457 Africhina EnvironDev 3.00

32098 | P W SEM 001 TTH                      |    | 1130-1PM 1175 NQ Adunbi |

458 Black World Issues 3.00

32163 | P SEM 003 TTH                        |    | 10-1130AM 1423 EQ Andre |

Black Perform Intersec Theory

25917 | PI W SEM 012 W                       |    | 230-530PM 3254 LSA Stein |

Health & African Development

473 Brazil: Hist & Cult 3.00

30939 | P W LEC 001 W                        |    | 4-7PM 1437 MH Johnson |

495 Senior Seminar 4.00 ADVISORY 20.00

23458 | P W SEM 001 TTH                      |    | 1130-1PM 270 TAP Ashforth |

Justice in Africa

32204 | P SEM 002 MW                         |    | 10-1130AM 210 TAP Sweeney |

Exploring Creative Non-Fiction

516 Elem Swahili II 4.00

34026 | P REC 002 MTWTH                      |    | 9-10AM ARR Mpesha |

519 Afram&Poli Rac 3.00 ADVISORY

31956 | P W SEM 001 W                        |    | 4-6PM 3451 MH Hutchings |

526 Intermed Swahili II 4.00

23912 | P REC 002 MTWTH                      |    | 9-10AM 1303 MH Mpesha |

Swahili

536 Adv Swahili II 4.00

25216 | P REC 001 W                          |    | 1-3PM ARR Mpesha |

600 Prosem Afr Stds 3.00

20756 | P W SEM 002 W                        |    | 7-10PM 2333 MH Pitcher |

601 Prosem Afr-Am Stds 3.00

24089 | P W SEM 001 T                         |    | 1-4PM 1460 MH Partridge |

Interdiscip Appr to Af Am Stds

615 Prob Afr Eth 2.00-3.00 ADVISORY

32740 | P LEC 001 T                           |    | 9-12PM 242 WH Stein |

622 Health&Sociocon Dev 3.00

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890 Capstone Course 3.00 ENFORCED

IR IND + M 7-10PM ARR 20.00

892 African Std Capstone 3.00 ENFORCED

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## Department of American Culture

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See www.lsa.umich.edu/ac/undergrad/honors/ for information on obtaining overrides. Meets with WOMENSTD 389.001.

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**Notes:**
- ENFORCED: Course is mandatory for certain programs.
- ADVISORY: Course is recommended but not required.
- All courses are held in G634 HH.
- Hours are in 1-hour increments.
Anthropology Department

Anthropological Archaeology (ANTHRARCC)

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Frauds in Archaeol (4.00)

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

19094 P W DIS 003 M 4-5PM 2015 RUTHVEN

Issues in Race & Ethnicity

10955 P W DIS 002 M 3-4PM 1628 CHEM

Egyptian Arch

32070 A LEC 001 TTH 1-230PM LEC RM 1 MLB Richards

Ancient Mesopotamia

32126 P W LEC 001 TTH 230-4PM 3460 MH Crisostomo

Early Civilization

24159 A LEC 001 TTH 10-1130AM 2009 RUTHVEN

24160 P W DIS 002 W 11-12PM 2015 RUTHVEN

24161 P W DIS 003 TH 12-1PM 238A WH

Honors Anthropology

32424 PIRW SEM 001 T 4-7PM 238A WH Young

Archaeology Topics

31840 P W LEC 001 TTH 230-4PM 2047 RUTHVEN Wright

Ug Reading & Research

582 Archaeology II

14280 P RW LEC 001 T 4-7PM 2047 RUTHVEN Sinopoli

Topics in Archaeology

23391 P W SEM 002 TTH 1-230PM AUD C AH Marcus, Flannery

Honors Anth Research

364 Nutrition & Evolution

27382 A LEC 001 TTH 1130-1PM AUD B AH Devlin

Anthropology, Biological (ANTHRBIO)

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Students are auto-enrolled in lecture when they elect a discussion.

10911 P DIS 002 M 1-2PM 238A WH

10912 P DIS 003 M 2-3PM 238A WH

10913 P DIS 004 M 3-4PM 238A WH

10914 P DIS 005 T 12-1PM 238A WH

10915 P DIS 006 T 10-11AM 238A WH

10916 P DIS 007 T 11-12PM 238A WH

10917 P DIS 008 W 12-1PM 238A WH

10918 P R DIS 009 W 11-12PM 238A WH

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This class meets in 425 West Hall.

**Laboratory Information**

- **Lab time**: will be arranged after classes begin.
- **Lab fee**: 4.00 ENFORCED
- **Instructor**: Wolpoff

This class meets 9:00-11:00 AM on 1/27/17, 2/10/17, 2/17/17, and 4/14/17 in 111 WH.

**Anthropology, Cultural (ANTHRCLUL)**

- **Intro to Anthro**: 4.00
- **Chivens**: Students are auto-enrolled in LEC 001 when they elect a DIS section. Dis sections do not meet until after the first week of classes.
- **De Leon**: Students are auto-enrolled in LEC 002 when they elect a DIS 027-044. Dis sections do not meet until after the first week of classes.
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Applied Physics Program

Applied Physics (APPPHYS)

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This course is part of the Korean e-School. UM will host the course, and students from the University of Iowa and the University of Illinois will video-conference into the lecture.

The China Problem in Korea

Gender and War

Research: Senior Proj Asian St

Dance in Mod Asia

Korean Politics

Two Koreas: Political and Economy of Regional Rivalry is taught over a live interactive videoconferencing link by Young-Bae Hwang, Ph. D. at Ohio State University. This course is taught as part of the Korea Foundation's global e-school initiative, leveraging the framework of the Big Ten Academic Alliance (BTAA). Graduate students who take this course may be required to do additional work.

Tech in Early China

Japan in 20th-Cent Asia

Asian Languages (ASIANLAN)

503 1st Yr Chinese II 5.00 ENFORCED

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11180 P RW REC 002 MTWTHF 10-11AM 2347 MH Li-Stevenson

11181 P RW REC 003 MTWTHF 11-12PM 7603 HH Li-Stevenson

11182 P RW REC 004 MTWTHF 12-1PM 2448 MH Grande

11183 P RW REC 005 MTWTHF 2-3PM 3353 MH Yu, Grande

31816 P RW REC 006 MTWTHF 3-4PM 2448 MH Grande

108 Chinese Calligraphy 2.00 ENFORCED

24533 P RW REC 001 F 1-3PM 2353 MH Gu

112 1st Yr Filipino II 4.00 ENFORCED

11992 P RW REC 001 MTWTH 9-10AM 2448 MH Fulgencio

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116 1st Yr Hindi II 4.00 ENFORCED

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If you would like to take this course, please enroll. The course meeting time will be scheduled in consultation with registered students.
Astronomy Department

Astronomy (ASTRO)

101 Intro Solar System 4.00 ADVISORY
22614 S LEC 001 MWF 12-1PM 182 WEISER Gultekin, Lopresto
10995 P W DIS 002 T 10-11AM 5180B AH
10996 P W DIS 003 T 11-12PM 182 WEISER Gultekin, Lopresto
10997 P W DIS 004 TH 1-2PM 5180B AH
10998 P W DIS 005 TH 2-3PM 5180B AH
19254 P W DIS 007 TH 11-12PM 5180B AH
11000 P W DIS 008 T 1-2PM 5180B AH
28400 P W DIS 009 T 2-3PM 5180B AH
28401 P W DIS 010 TH 10-11AM 5180B AH

102 Intr Stars&Universe 4.00 ADVISORY
11001 S LEC 001 TTH 1-230PM 182 WEISER Reynolds, Ruszkowski
11002 P W DIS 002 W 1-2PM 5179 AH
11003 P W DIS 003 W 11-12PM 5179 AH
19255 P W DIS 004 T 3-4PM 5179 AH
19256 P W DIS 005 TH 10-11AM 5179 AH
11005 S LEC 006 W 10-11AM 5179 AH
11006 S LEC 007 TTH 230-4PM 182 WEISER Reynolds, Ruszkowski
19257 P W DIS 009 T 1-2PM 5179 AH
28689 P W DIS 010 T 12-1PM 5179 AH
22156 P W DIS 011 T 10-11AM 5179 AH
22512 P W DIS 012 T 4-5PM 5179 AH

106 Aliens 1.00
21233 P W LEC 001 F 11-12PM 182 WEISER Devour
21877 P W LEC 002 F 10-11AM 182 WEISER Devour

107 The Dark Universe 1.00
32173 P W LEC 001 MW 2-3PM 296 WEISER Sharon
First 7 week session (1/3 - 2/20)
32174 P W LEC 002 MW 3-4PM 296 WEISER Sharon
First 7 week session (1/3 - 2/20)
32175 P W LEC 003 MW 3-4PM 260 WEISER Sharon
Second 7 week session (3/5 - 4/17)

115 Intro Astrobiology 3.00 ADVISORY
23403 P W LEC 001 TTH 10-1130AM 260 WEISER Hartmann

127 Naked Eye Astronomy 1.00
11007 P RW LEC 001 MW 2-3PM 3118 AH Lopresto
11008 P RW LEC 002 MW 3-4PM 3118 AH Lopresto
11009 P RW LEC 003 MW 4-5PM 3118 AH Lopresto
11010 P RW LEC 004 MW 2-3PM 3118 AH Lopresto
18672 P RW LEC 005 MW 3-4PM 3118 AH Lopresto
18673 P RW LEC 006 MW 4-5PM 3118 AH Lopresto

201 Intro Astrophysics 4.00 ADVISORY
11011 A W LEC 001 MW 1-2PM 1068 EH Gallo
11012 P RW LAB 002 M 7-9PM 5180B AH
11013 P RW LAB 003 T 7-9PM 5180B AH

261 Navigation 3.00
17852 P LEC 001 MW 10-1130AM 2021 RUTHVEN Denning
17853 P LEC 002 MW 230-4PM 2021 RUTHVEN Denning
17862 A LAB 003 T 330-530PM ARR Denning

305 Astro in Community 1.00-3.00 ADVISORY
SI IND + ARR ARR
399 Intro-Research
I IND + ARR ARR

389 Indi Studies Astro
I IND + ARR ARR

401 Exoplanets 3.00 ADVISORY, ENFORCED
28578 P RW LEC 001 TTH 230-4PM 269 WEISER Rauscher

404 Galaxies&Universe 3.00 ADVISORY, ENFORCED
11014 P RW LEC 001 TTH 10-1130AM 142 LORCH Gnedin

405 High Energy Astro 3.00 ADVISORY
32579 P W LEC 001 TTH 230-4PM 2866 EH Hughes

429 Scientific Writing 3.00 ENFORCED
24177 P RW SEM 001 TTH 1-230PM 471 LORCH Meyer

501 Mod Astr Techniques 3.00 ADVISORY
32240 P LEC 001 MW 10-1130AM 3556 DANA Miller

531 Stellar Astrophys II 3.00 ADVISORY
32241 P LEC 001 MW 230-4PM 1423 EQ Calvet

901 Res-Theoret Astro 1.00-8.00 ADVISORY
I IND + ARR ARR
902 Res-Observ Astro 1.00-8.00 ADVISORY
I IND + ARR ARR
990 Diss-Precand 1.00-8.00 ADVISORY
I IND + ARR ARR
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Biology Department

Biology (BIOLOGY)

--A STUDENT WHO DOES NOT ATTEND THE FIRST MEETING OF A BIOLOGY, CHEMISTRY, OR PHYSICS LABORATORY MAY BE DROPPED FROM THE COURSE FOR NON-ATTENDANCE.

--ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION SYSTEM TO MAKE SURE THAT THEIR OFFICIAL SCHEDULE MATCHES THE COURSES THEY ARE ATTENDING.

--FOR ADDITIONAL COURSES, PREVIOUSLY LISTED UNDER BIOLOGY, PLEASE CHECK THE LISTINGS FOR EEB (ECOLOGY AND EVOLUTIONARY BIOLOGY) AND MCD (MOLECULAR, CELLULAR AND DEVELOPMENTAL BIOLOGY).

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THE BUS LEAVES IN FRONT OF THE RACKHAM BUILDING ON E. WASHINGTON ST. AT 12:10 PM OR 2:40 PM SHARP, AND LEAVES THE MATTHAEI BOTANICAL GARDEN AT 3:00 PM AND 5:30 PM SHARP.
19409 P W DIS 023 M 230-4PM 3230 USB
19244 P W DIS 024 M 230-4PM 4152 USB
19410 P W DIS 025 T 230-4PM 3230 USB
19411 P W DIS 026 M 4-530PM 2234 USB
19245 P W DIS 027 T 4-530PM 2234 USB
19246 P W DIS 028 M 4-530PM 4152 USB
19413 P W DIS 029 T 4-530PM 4152 USB
19247 P W DIS 034 M 4-530PM 3230 USB
19248 P W DIS 035 M 10-1130AM 3230 USB
19412 PDR DIS 100 TTH 10-12PM 271 WEISER Giffen

--SECTIONS 100 and 101 ARE RESERVED FOR STUDENTS IN THE COMPREHENSIVE STUDIES PROGRAM. ENROLLMENT IS ONLY BY PERMISSION OF A CSP COUNSELOR.

19412 PDR DIS 101 TTH 1-3PM 2040 RUTHVEN Giffen

--SECTIONS 100 and 101 ARE RESERVED FOR STUDENTS IN THE COMPREHENSIVE STUDIES PROGRAM. ENROLLMENT IS ONLY BY PERMISSION OF A CSP COUNSELOR.

19243 P RW DIS 200 T 230-4PM 2234 USB Eidietis

--HONORS STUDENTS ENROLL IN SECTION 200 OR 201 AND LECTURE SECTION 002 OR 004.

19404 P RW DIS 201 M 10-1130AM 3163 USB Eidietis

--HONORS STUDENTS ENROLL IN SECTION 200 OR 201 AND LECTURE SECTION 002 OR 004.

19244 P RW DIS 200 T 230-4PM 2234 USB

--HONORS STUDENTS ENROLL IN SECTION 200 OR 201 AND LECTURE SECTION 002 OR 004.

172 Intro Biol - MCDB 4.00 ADVISORY

--THE FIRST LECTURE WILL BE HELD WEDNESDAY, JAN. 3. --DISCUSSION SECTIONS BEGIN THE WEEK OF JAN.8. --EXAMS WILL BE GIVEN ON MONDAYS, Jan 29, Feb 19, and March 26 , 6-8 PM.

19175 S LEC 001 MWF 9-10AM AUD NS Clark, Simmons
19176 S LEC 002 MWF 9-10AM AUD NS Clark, Simmons

--LECTURE SECTIONS 002 AND 004 ARE RESERVED FOR HONORS STUDENTS. --HONORS STUDENTS ENROLL IN DISCUSSION SECTION 200 OR 201. --THE FIRST LECTURE WILL BE HELD WEDNESDAY, JAN. 3. --DISCUSSION SECTIONS BEGIN THE WEEK OF JAN.8.

19177 TTH 10-11AM LEC 003 AUD NS Clark, Simmons


19178 S LEC 004 MWF 11-12PM 1250 USB Wood

--LECTURE SECTION 005 IS RESERVED FOR STUDENTS IN THE CSP PROGRAM. --CSP STUDENTS ENROLL IN DISCUSSION SECTION 100 OR 101. --THE FIRST LECTURE WILL BE HELD WEDNESDAY, JAN. 3. --DISCUSSION SECTIONS BEGIN THE WEEK OF JAN.8.

19179 S LEC 005 MWF 11-12PM 1250 USB Wood


19182 P RW DIS 100 TTH 10-12PM 271 WEISER Giffen

--SECTIONS 100 and 101 ARE RESERVED FOR STUDENTS IN THE COMPREHENSIVE STUDIES PROGRAM. ENROLLMENT IS ONLY BY PERMISSION OF A CSP COUNSELOR.

19183 P RW DIS 101 TTH 1-3PM 2040 RUTHVEN Giffen

--SECTIONS 100 and 101 ARE RESERVED FOR STUDENTS IN THE COMPREHENSIVE STUDIES PROGRAM. ENROLLMENT IS ONLY BY PERMISSION OF A CSP COUNSELOR.

19184 P RW DIS 200 T 230-4PM 2234 USB

--HONORS STUDENTS ENROLL IN SECTION 200 OR 201 AND LECTURE SECTION 002 OR 004.

19185 P RW DIS 201 M 10-1130AM 3163 USB Eidietis


19186 P RW DIS 200 W 1130-1PM 3230 USB

--HONORS STUDENTS ENROLL IN DISCUSSION SECTION 200 OR 201 AND LECTURE SECTION 002 OR 004.

31116 P RW DIS 201 W 1-230PM 4152 USB James, Zhang

LECTURE SECTION 003 IS RESERVED FOR THOSE IN AUTHENTIC RESEARCH CONNECTION (ARC) SECTIONS 201, 202, 203 OR 204 ONLY.

30817 S RW LEC 004 F 3-4PM 4151 USB James, Zhang

LECTURE SECTION 004 IS RESERVED FOR THOSE IN AUTHENTIC RESEARCH CONNECTION (ARC) SECTIONS 301 OR 302 ONLY.

19130 P RW LAB 012 M 2-5PM 2122 USB Ammerlaan

--Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19131 P RW LAB 013 M 2-5PM 2115 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19132 P RW LAB 014 M 2-5PM 2123 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19133 P RW LAB 021 T 9-12PM 2114 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19134 P RW LAB 022 T 9-12PM 2122 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19135 P RW LAB 023 T 9-12PM 2115 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19136 P RW LAB 024 T 9-12PM 2123 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19137 P RW LAB 031 T 2-5PM 2114 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19138 P RW LAB 032 T 2-5PM 2122 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19139 P RW LAB 033 T 2-5PM 2115 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19140 P RW LAB 034 T 2-5PM 2123 USB Ammerlaan
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19141 P RW LAB 041 T 7-10PM 2114 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19142 P RW LAB 042 T 7-10PM 2122 USB Ammerlaan
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

19143 P RW LAB 043 T 7-10PM 2115 USB Ammerlaan
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19144 P RW LAB 044 T 7-10PM 2123 USB Ammerlaan
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19145 P RW LAB 051 W 9-12PM 2114 USB Ammerlaan
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19146 P RW LAB 052 W 9-12PM 2122 USB Ammerlaan
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19147 P RW LAB 053 W 9-12PM 2115 USB Ammerlaan
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19148 P RW LAB 054 W 9-12PM 2123 USB Ammerlaan
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19149 P RW LAB 061 W 2-5PM 2114 USB Ammerlaan
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19150 P RW LAB 062 W 2-5PM 2122 USB Ammerlaan
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19151 P RW LAB 063 W 2-5PM 2115 USB Ammerlaan
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19152 P RW LAB 064 W 2-5PM 2123 USB Ammerlaan
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19153 P RW LAB 071 W 7-10PM 2114 USB Ammerlaan
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19154 P RW LAB 072 W 7-10PM 2122 USB Ammerlaan
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19155 P RW LAB 073 W 7-10PM 2115 USB Ammerlaan
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19156 P RW LAB 074 W 7-10PM 2123 USB Ammerlaan
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<td>Microbiology</td>
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Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.

| 18647 | A R LEC 001 TTH 4-530PM 1210 CHEM Huffnagle, Vecchiarelli |
| 200  | P RW LAB 003 T 9-12PM 3151 USB |
| 18650 | P RW LAB 004 T 1-4PM 3151 USB |
| 18651 | P RW LAB 005 T 6-9PM 3151 USB |
| 18652 | P RW LAB 006 W 9-12PM 3151 USB |
| 18653 | P RW LAB 007 W 1-4PM 3151 USB |
| 18655 | P RW LAB 009 TH 9-12PM 3151 USB |
| 18656 | P RW LAB 010 TH 1-4PM 3151 USB |
| 222  | Cell&Molec Neurosci          | 4.00| ENFORCED|
| 30959 | S R LEC 001 MW 230-4PM 1210 CHEM Hume, Aton |
| 30960 | P RW DIS 002 F 9-10AM 1512 CCL Gaidica |
| 30962 | P RW DIS 004 F 9-10AM 2306 MH Tchessalova |
225 Human & Animal Phys 3.00 ADVISORY, ENFORCED
EVENING EXAMS WILL BE GIVEN ON Monday JAN 29, Wednesday FEB 21, Monday MARCH 26, Monday APRIL 16, 6:10 PM- 7:40PM.

226 Hum & Animal Phys Lab 2.00 ADVISORY, ENFORCED 70.00

252 Vertebrate Evol & Div 4.00 ADVISORY 60.00

11017 P RW LEC 001 TTH 9-10AM 1640 CHEM Hunter
11018 P RW DIS 002 M 1-3PM 1650 CHEM Fearon
11019 P RW DIS 003 M 3-5PM 3265 USB Fearon
11020 P RW DIS 004 T 10-12PM 3207 LSA Shaw
11021 P RW DIS 005 W 1-2PM 3207 LSA Shaw
11022 P RW DIS 006 F 4-5PM 1512 CCL Shaw
11023 P RW DIS 007 T 5-6PM 1512 CCL Shaw
11024 P RW DIS 008 W 6-7PM 1512 CCL Shaw
11025 P RW DIS 009 TH 7-8PM 1512 CCL Shaw

281 General Ecology 3.00 ADVISORY
11017 A RW LEC 001 TTH 9-10AM 1640 CHEM Hunter
11018 P RW DIS 002 M 1-3PM 1650 CHEM Fearon
11019 P RW DIS 003 M 3-5PM 3265 USB Fearon
11020 P RW DIS 004 T 10-12PM 3207 LSA Shaw
11021 P RW DIS 005 W 1-2PM 3207 LSA Shaw
11022 P RW DIS 006 F 4-5PM 1512 CCL Shaw
11023 P RW DIS 007 T 5-6PM 1512 CCL Shaw
11024 P RW DIS 008 W 6-7PM 1512 CCL Shaw
11025 P RW DIS 009 TH 7-8PM 1512 CCL Shaw

305 Genetics 3.00 ADVISORY, ENFORCED
EXAMS WILL BE GIVEN WEDS., JAN. 31, FEB. 21, MARCH 28, 6-8 PM. ALTERNATE EXAMS WITH LIMITED SEATING WILL BE OFFERED ON THE SAME DATES AT 5-7 PM and 7-9 PM FOR STUDENTS WHO HAVE UNAVOIDABLE UNIVERSITY CONFLICTS. PLEASE PLAN TO BE AVAILABLE AT THESE TIMES.

631 Gen Prog Sem 1.00 ADVISORY
11065 PD SEM 001 M 1-230PM 4917 BUHL Moran, Antonellis
# Biophysics Research Division

## Biophysics (BIOPHYS)

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<td>269 WEISER Zochowski</td>
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<td>4404 RAND Yang</td>
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Contact ChemicalBiology@umich.edu for registration inquiries.

Section 002 is for Cancer Chemical Biology MS students. Section 001 is for Chemical Biology PhD students.

Contact ChemicalBiology@umich.edu for registration inquiries.

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Contact ChemicalBiology@umich.edu for registration inquiries.
Chemistry Department

Chemistry (CHEM)

--A GRADE OF C- OR BETTER MUST BE OBTAINED IN ALL CHEMISTRY COURSES PREREQUISITE TO SUBSEQUENT CHEMISTRY COURSES.
--ROOM A706 IS A WHEELCHAIR EQUIPPED LAB.
--A STUDENT WHO DOES NOT ATTEND THE FIRST MEETING OF A BIOLOGY, CHEMISTRY, OR PHYSICS LABORATORY MAY BE DROPPED FROM THE COURSE FOR NON-ATTENDANCE. ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION SYSTEM TO MAKE SURE THAT THEIR OFFICIAL SCHEDULE MATCHES THE COURSES THEY ARE ATTENDING.

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19354 A LAB 119 T 9-11AM A706 CHEM
14495 P W DIS 122 T 8-9AM A724 CHEM
11078 A LAB 123 T 9-11AM A724 CHEM
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14448 A LAB 127 T 9-11AM A718 CHEM
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19478 A LAB 141 T 12-2PM A724 CHEM
20169 P W DIS 142 T 2-3PM A724 CHEM
20172 A LAB 143 T 3-5PM A724 CHEM
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17309 P R LEC 200 ARR ARR Poniatowski

125 Gen Chem Lab I 1.00 ADVISORY 100.00
--YOU MUST ALSO REGISTER FOR CHEM 126, SECTION 100 --STUDENTS MUST CLAIM THEIR SPACE AT THE FIRST MEETING OF LAB.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.
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**SECTION 200 - STUDENTS MUST ELECT DISCUSSION SECTIONS 201-213.**

**SECTION 400 - STUDENTS MUST ELECT FROM DISCUSSION SECTIONS 401-405.**

This section is reserved for Comprehensive Studies Program students only. Contact the CSP office for permission.
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STUDENTS MUST SHOW VERIFICATION OF REGISTRATION FOR CHEM 211 AT LAB CHECK IN AND CLAIM SPACES AT THE FIRST MEETING OF THE LAB.

---

CHEM 216, section 200 and 2xx labs available for Honors credit only. Departmental Consent must be given BEFORE
This course is a research-based second-semester organic chemistry laboratory class that builds off of the skills gained in the Chem 211 lab, and the knowledge gained previously in Chem 210 and concurrently in Chem 215. Limited seating available - apply here: https://umich.qualtrics.com/jfe/form/SV_41qtfbngMhoxUyx


- **201** Ind Study Biochem 1.00 ADVISORY
  - I IND + ARR ARR
  - **202** Teach Exp Undergr 1.00-3.00
    - I IND + ARR ARR

- **230** P Chem Princ&App 3.00 ADVISORY
  - 19992 S LEC 100 MWF 8-9AM 1400 CHEM Gottfried
  - 19993 P DIS 101 M 10-11AM 1628 CHEM
  - 19994 P DIS 102 M 11-12PM 5179 AH
  - 19995 P DIS 103 M 1-2PM 1185 NQ
  - 21418 P DIS 104 TH 1-2PM 1628 CHEM
  - 19996 P DIS 105 TH 2-3PM 1628 CHEM
  - 19997 P DIS 106 TH 4-5PM 1628 CHEM
  - 11135 S LEC 200 MWF 9-10AM 1400 CHEM Gottfried
  - 11136 S DIS 201 MWF 10-11AM 1632 CHEM
  - 11137 P DIS 202 W 11-12PM 1508 CCL
  - 11138 P DIS 203 W 12-1PM 1508 CCL
  - 21419 P DIS 204 TH 9-10AM 1638 CHEM
  - 21150 P DIS 205 TH 10-11AM 1632 CHEM
  - 22120 P DIS 206 TH 11-12PM 1650 CHEM

- **241** Intro to Chem Analy 2.00 ADVISORY
  --TO BE TAKEN CONCURRENTLY WITH CHEM 242.

- **242** Intr Chem Analy Lab 2.00 ADVISORY 100.00
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- **24249** | P | W | DIS | 003 | W | 10-11AM | 2163 AH | 1.00-3.00 | ADVISORY |
- **24250** | P | W | DIS | 004 | W | 4-5PM | 5521 HH | 1.00-3.00 | ADVISORY |
- **24251** | P | W | DIS | 005 | F | 12-1PM | 130 TAP | 1.00-3.00 | ADVISORY |
- **24252** | P | W | DIS | 006 | F | 11-12PM | 2163 AH | 1.00-3.00 | ADVISORY |
- **24253** | P | W | DIS | 007 | TH | 9-10AM | 5521 HH | 1.00-3.00 | ADVISORY |
- **24254** | P | W | DIS | 008 | W | 9-10AM | 5179 AH | 1.00-3.00 | ADVISORY |
- **24255** | P | W | DIS | 009 | T | 6-7PM | 3347 MH | 1.00-3.00 | ADVISORY |
- **24256** | P | W | DIS | 010 | TH | 4-5PM | 5179 AH | 1.00-3.00 | ADVISORY |
- **24257** | P | W | DIS | 011 | W | 2-3PM | 2163 AH | 1.00-3.00 | ADVISORY |
- **24258** | P | W | DIS | 012 | F | 12-1PM | 49 Uemma | 1.00-3.00 | ADVISORY |
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- **24260** | P | W | DIS | 014 | T | 5-6PM | 1460 MH | 1.00-3.00 | ADVISORY |
- **27624** | P | W | DIS | 015 | W | 12-1PM | 2163 AH | 1.00-3.00 | ADVISORY |
- **27626** | P | W | DIS | 016 | TH | 6-7PM | 1460 MH | 1.00-3.00 | ADVISORY |

**Roman Decadence**

- **473** | Roman Decadence |
- **31546** | Roman Decadence |
- **499** | Roman Decadence |
- **503** | Roman Decadence |

**Sr Honors Research**

- **499** | Sr Honors Research |

**Classical Linguistics (CLLING)**

- **599** | Directed Reading |
- **990** | Directed Reading |
- **995** | Directed Reading |

**Greek (GREEK)**

- **102** | Elem Greek II |
- **103** | Intens Elem Greek I |
- **103** | Intens Elem Greek I |
- **305** | 2nd Year Greek II |
- **308** | Acts Apostles |
- **402** | Greek Drama |
- **437** | Thucydides |
- **499** | Thucydides |
- **503** | Elementary Greek |

**Greek (GREEK)**

- **504** | Intens Elem Greek |
- **504** | Intens Elem Greek |
- **506** | Adv Greek Comp |
- **508** | Second Yr Greek I |
- **523** | Thucydides |
- **556** | Grk Phil Lit I |
- **599** | Directed Reading |
- **602** | Classics Profession |
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Communication Studies

---ENROLLED STUDENTS MAY BE DROPPED FROM COMMUNICATION STUDIES CLASSES FOR FAILURE TO ATTEND THE FIRST TWO MEETINGS.

101 The Mass Media 4.00 ENFORCED

11212 A R LEC 001 TTH 1-230PM AUD NS Douglas
11213 P RW DIS 002 TH 4-5PM 2022 STB
11214 P RW DIS 003 TH 5-6PM B134 MLB

11215 P RW DIS 004 F 9-10AM 1110 NQ 15 seats reserved for Freshmen
11216 P RW DIS 005 F 10-11AM 1110 NQ 5 seat reserved for LSA Honors

11217 P RW DIS 006 F 12-1PM 1110 NQ

102 Process & Effects 4.00 ENFORCED

11222 A R LEC 001 TTH 230-4PM AUD 4 MLB Kwak
11223 P R DIS 002 TH 6-7PM 1245 NQ
11224 P RW DIS 003 F 11-12PM 1110 NQ

11225 P RW DIS 004 F 3-4PM 1245 NQ 15 seats reserved for freshmen
11226 P R DIS 005 TH 6-7PM B134 MLB 15 seats reserved for freshmen
11227 P R DIS 006 F 9-10AM 2022 STB

11228 P R DIS 007 F 10-11AM 3230 USB 5 seats reserved for LSA Honors

11229 P RW DIS 008 F 12-1PM 1245 NQ
11230 P R DIS 009 F 1-2PM 1245 NQ
11231 P R DIS 010 F 3-4PM 1185 NQ

19890 P R DIS 011 TH 7-8PM 1245 NQ 15 seats reserved for Freshmen
27095 P R DIS 012 F 9-10AM 1185 NQ
20379 P R DIS 013 F 12-1PM 1175 NQ

159 FY3 in Media Issues 3.00 ENFORCED

25515 P RW SEM 001 TTH 230-4PM 1245 NQ Vaillant

Global Media Microclimates
Does not meet Communication Studies major requirements.
First Year Student

26517 P RW SEM 002 MW 4-530PM 1110 NQ Collings

Documentary Journalism
Does not meet Communication Studies major requirements.
First Year Student

251 Media Industries 4.00

20853 A LEC 001 MW 10-1130AM 1300 CHEM Draper
20854 P W DIS 002 TH 9-10AM 1245 NQ
20855 P W DIS 003 TH 4-5PM 1245 NQ
20856 P W DIS 004 TH 5-6PM 1245 NQ

261 Views on the News 4.00 ENFORCED

11232 A R LEC 001 MW 4-530PM 2306 MH Kim
18070 P RW DIS 002 T 3-4PM 2330 MH
23187 P RW DIS 003 T 4-5PM 3427 MH
20398 P RW DIS 004 T 5-6PM 3427 MH

271 Comm Revolutions 4.00 ENFORCED

23188 A R LEC 001 TTH 1130-1PM 1449 MH Vaillant
25402 P DIS 002 W 9-10AM 1245 NQ
23189 P R DIS 003 W 4-5PM 1245 NQ
27100 PDR DIS 004 W 5-6PM 1245 NQ

281 Media Psychology 4.00 ENFORCED

21724 A R LEC 001 TTH 230-4PM 1300 CHEM Dal Cin
21725 P RW DIS 002 F 11-12PM 2011 MLB
21726 P RW DIS 003 F 12-1PM 2011 MLB
21727 P RW DIS 004 F 2-3PM 1245 NQ

305 Survey Media Topics 4.00 ADVISORY

27114 A LEC 001 MW 1130-1PM 3254 LSA Moshin

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Whiteness and the Media
Whiteness and the Media
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# Program Study of Complex Systems

**Complex Systems (CMPLXSYS)**

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*Comprehensive Studies Program (CSP)*
English Language Institute

English Language Institute (ELI)

ELI courses fall into three categories:
1. English for Academic Purposes courses for graduate students;
2. Language and teacher training courses for international GSIs;
3. Teacher training courses for students planning to teach ESL in local communities or abroad.

For assistance in choosing an appropriate course, please go to the ELI Academic Advising website:
http://bit.ly/eliadvising or e-mail: eliadvisor@umich.edu to make an appointment to speak with an advisor.
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ELI 994 is a 10-week course. The first class for all sections meets Friday Jan 19.
---A STUDENT WHO MISSES EITHER THE FIRST OR SECOND CLASS MEETING OF AN ENGLISH COURSE MAY BE DROPPED FROM THE COURSE FOR NON-ATTENDANCE.
---ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION SYSTEM TO MAKE SURE THEIR OFFICIAL SCHEDULE MATCHES THE COURSES THEY ARE ATTENDING.

### English Language & Literature Dept

#### English Language And Literature (ENGLISH)

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## English Language And Literature (ENGLISH)

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Students will be required to attend two library sessions. One on Friday, January 26, 2018, 11a-1p, and the other on Friday, February 9, 2018, 11a-1p.
New Radical Science Fiction
319  Lit & Social Change 3.00
31904 P W LEC 001 TTH 1-230PM 1449 MH Nichols

320  Lit & Environment 3.00
31905 P W LEC 001 TTH 10-1130AM 3437 MH Crane

Environmental Imagination
321  Internship 1.00 ADVISORY
SD IND + ARR ARR

323  Creat Writ Fict 3.00 ADVISORY
11416 PI W SEM 001 M 4-7PM 4207 AH O'Dowd

Note: Students who are currently a declared creative-writing minor or English sub-concentrator will receive alternative enrollment instructions in an email. Creative-writing minors and English sub-concentrators are not required to submit a portfolio for review.

To enroll in this course, non-creative writing minors and subconcentrators need to:

1. Submit a portfolio. Portfolio requirements vary from section to section, so contact instructors directly for their specific guidelines. Portfolios are usually between 5-15 pages of original relevant work (short stories, excerpts, poems) and should be submitted directly to the instructor of each section. For priority consideration, portfolios should be submitted no later than 5pm on Tuesday, December 5, 2017. Students should receive notification of their acceptance (or not) no later than Tuesday, December 12, 2017. Students may still submit portfolios after the priority deadline until seats are full.

2. Students are encouraged to consider a second-choice section (where available) as a potential back-up.

The Essay and the Internet
324  Creat Writ Poet 3.00 ADVISORY 656.00
19817 PI W REC 001 W 5-8PM 4199 AH Faizullah

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2. Students are encouraged to consider a second-choice section (where available) as a potential back-up.

CreativeNon-Fiction & Memoir
325  Art of the Essay 3.00 ADVISORY
11417 P W SEM 001 MW 1130-1PM 4207 AH Rubadeau
11418 P W SEM 002 MW 230-4PM 4175 AH Swanson
11419 P W SEM 003 TTH 230-4PM 1511 EQ Delp
11420 P W SEM 004 TTH 230-4PM 1509 CCL Khleif
17807 P W SEM 005 TTH 830-10AM 4449 MH Beer
17808 P W SEM 006 TTH 4-530PM 1155 NQ Khleif

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First Year Seminar. ONLY first year undergraduates may register.
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Contact the Dept of Earth and Environmental Sciences to request permission to enroll in this course: MichiganEarth@umich.edu.
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Economics Department

Economics (ECON)

101 Principles Econ I 4.00 ADVISORY

Students will be auto-enrolled in Section 100 when they elect Sections 101-111.

This class has a scheduled evening midterm (date TBD). If you will be unavailable to take this exam, you should not register for this section of Econ 101.

Students will be auto-enrolled in section 200 when they elect sections 201-211.

There will be three midterms for this course: (from 8-10pm on: 2/13/18, 3/15/18, & 4/10/18). All exams must be taken on the assigned dates and times. If you cannot take these exams as scheduled, please register for an open section in another lecture of Econ 101.

No overrides will be issued for this class.

Students will be auto-enrolled in section 300 when they elect sections 301-311.

Students will be auto-enrolled in section 400 when they elect sections 401-411.

There will be three midterms for this course: (from 8-10pm on: 2/13/18, 3/15/18, & 4/10/18). All exams must be taken on the assigned dates and times. If you cannot take these exams as scheduled, please register for an open section in another lecture of Econ 101.

No overrides will be issued for this class.
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This class is for CSP students only! All CSP students should contact the CSP department to obtain permission to enroll in this class!

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This class is for CSP students only! All CSP students should contact the CSP department to obtain permission to enroll in this class!

102 Principles Econ II 4.00 ADVISORY

Students will be auto-enrolled in section 100 when they elect sections 101-109.

11294 A | LEC | 100 | TTH | 230-4PM | 140 LORCH | Cho |

Students will be auto-enrolled in section 200 when they elect sections 201-209.

13744 P | W | DIS | 201 | F | 10-1130AM | 173 LORCH | Dudek |

Students will be auto-enrolled in section 300 when they elect sections 301-309.

20870 PI | SEM | 001 | F | 9-10AM | 142 LORCH | Proulx |

208 Inter Micro Workshop 1.00 ADVISORY

27641 P | W | SEM | 001 | F | 1-230PM | 140 LORCH | Dudley |

32347 P | W | DIS | 206 | F | 1-230PM | B844 EH | Dudek |

33342 PD | DIS | 006 | TH | 2-3PM | 3448 MH | 4.00 |

33350 PD | DIS | 007 | F | 2-3PM | 142 LORCH | 4.00 |

333 Honors Econ 4.00 |

310 Money & Banking 3.00 ENFORCED

18658 P | RW | LEC | 001 | MW | 4-530PM | 140 LORCH | 3.00 |

320 Survey-Labor Econ 3.00 ADVISORY, ENFORCED

25874 P | RW | LEC | 001 | MW | 4-530PM | 140 LORCH | 3.00 |

327 Economics Of Crime 3.00 ADVISORY, ENFORCED

31319 P | RW | LEC | 001 | TH | 4-530PM | 140 LORCH | 3.00 |

340 International Econ 3.00 ADVISORY, ENFORCED

27649 P | RW | LEC | 001 | MW | 4-530PM | 140 LORCH | 3.00 |

395 Topics in Microecon 3.00 ADVISORY, ENFORCED

18697 P | RW | LEC | 001 | TH | 4-530PM | 140 LORCH | 3.00 |

401 Intermed Micro Thry 4.00 ADVISORY, ENFORCED

11308 A | LEC | 100 | TH | 1-230PM | 1505 CCL | 4.00 |

Students will be auto-enrolled in section 001 when they elect sections 002-013. Students must attend the following exams: Exam 1 on Feb. 8, 2018 8-10:30pm; Exam 2 on Mar. 15, 2018 8-10:30pm; Final Exam on April 24, 2018 4-6pm.

Students will be auto-enrolled in section 100 when they elect sections 101-109. Students must attend the following exams: Exam 1 on Feb. 8, 2018 8-10:30pm; Exam 2 on Mar. 15, 2018 8-10:30pm; Final Exam on April 24, 2018 4-6pm.
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**Evening Midterm Exams will be held on the following dates: (TBA). If you will be unable to attend any of the exams, please consider restructuring your schedule or drop the course as the exams are mandatory.**

**Student will be auto-enrolled in section 001 when they elect sections 002-010.**
741 Interdisc Prob Solv
33197 PI LAB 001 T 3-4PM 1070 LSSH Wilensky, Moghtader
741 Interdisc Prob Solv
33203 PI LAB 002 T 3-4PM 1070 LSSH Uhlmann, Saigal, Hines Jr

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). This problem solving course will challenge a multidisciplinary team of students to address a real-world problem in the area of sustainable food systems. Food: what we eat, how and where we produce it, where we buy it, and who has access to it has profound effects on human health, economies, and the environment. The current US food system, which delivers abundant, “cheap” and “safe” food to millions of people has embedded in it practices, policies, and outcomes that are not sustainable or desirable at a societal level. From water shortages and tainted drinking water to diet-related diseases and environmental costs, sustainability in food systems is critical to communities, nations, and our species.

This course will focus on one particular problem: how to enhance local (or regional) production, sale and consumption of fruits and vegetables within the United States, with a particular focus on Michigan and the Great Lakes region. Classes will primarily operate as discovery sessions with industry, governmental, and academic experts. The course culminates with students creating, and presenting to a team of experts and/or stakeholders, a business or operational plan proposing their solution.

Students may apply for the course by submitting the required application materials to the PSI registration site (https://problemsolving.law.umich.edu/) between October 23, 2017, and November 3, 2017.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Renewable energy offers the promise of energy security and reduced greenhouse gas emissions that are critical to climate change mitigation efforts in the United States and throughout the world. Twenty-nine states and the District of Columbia impose minimum renewable energy standards on their utilities' generation portfolios; eight...
states have renewable energy goals. The most ambitious standard is in Hawaii, which seeks to meet 100 percent of its energy needs from renewable sources by 2045, followed by Vermont (75 percent by 2032), California (50 percent by 2030), and the District of Columbia (50 percent by 2032). In Michigan, the renewable portfolio standard will be 15 percent in 2021.

Challenges facing renewable energy markets include an antiquated electricity transmission network geared to local generation and distribution that does not readily accommodate transmission of renewable energy from states where there is abundant supply to population centers; management of the electricity grid to provide stability in the face of the intermittent nature of renewable energy at limited scale; having sufficient storage capacity for renewable energy so that electricity is available at peak periods of demand; and ensuring price competitiveness of renewable energy through a combination of monetary and fiscal policy, while avoiding regressive impacts and geographical cost disparities. Addressing these challenges will require modification to existing laws and regulations.

Classes will include discovery sessions with industry, governmental, and academic experts. At the end of the term, students will present an integrated proposal to an expert review panel.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

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This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Working as a group with guidance from the instructors, students will develop a plan to address how the lack of social capital among inner-city entrepreneurs impedes the development of viable businesses and successful entrepreneurs and prevents the development of a healthy entrepreneurial ecosystem in inner cities. We will focus on innovative, community-based solutions to this problem. Students will work collaboratively across disciplines to understand the current situation, explore current best practices, and create a plan to present to a hypothetical organization such as a state or local government, a foundation, a non-profit organization, or a public-private partnership.

Class sessions will focus heavily on interactive discussion, presentations, and interviews with experts. Students will be expected to spend significant time outside of class working in teams to interview relevant stakeholders, conduct research, draft documents and develop the plan.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Students may apply for the course by submitting the required application materials to the PSI registration site (https://problemsolving.law.umich.edu/) between October 23, 2017, and November 3, 2017.
Program in the Environment

Environment (ENVIRON)

102 Extreme Weather 3.00
18938 P LEC 001 MWF 10-11AM AUD C AH Samson

105 Changing Atmos 3.00
20378 P W LEC 001 TTH 10-1130AM 1528 CCL Flanner

111 GC: Sustain Chall 4.00
17047 A W LEC 001 TTH 10-11AM 2260 USB Arnaboldi
17048 P W LAB 001 TTH 11-1PM 5179 AH Arnaboldi, Reiner
19312 P W LAB 006 M 2-4PM 3038 DANA Arnaboldi, Grantham

118 Intro Geology Lab 1.00 ADVISORY
18689 P W LAB 001 M 2-4PM 2512 CCL Lohmann
Students who register for EARTH/ENVIRON 118 must also be enrolled in EARTH/ENVIRON 119.
18690 P W LAB 002 M 4-6PM 2512 CCL Lohmann
Students who register for EARTH/ENVIRON 118 must also be enrolled in EARTH/ENVIRON 119.
18691 P W LAB 003 W 1-3PM 2512 CCL Lohmann
Students who register for EARTH/ENVIRON 118 must also be enrolled in EARTH/ENVIRON 119.
18692 P W LAB 004 TH 12-2PM 2512 CCL Lohmann
Students who register for EARTH/ENVIRON 118 must also be enrolled in EARTH/ENVIRON 119.
19799 P W LAB 006 TH 4-6PM 2512 CCL Lohmann
Students who register for EARTH/ENVIRON 118 must also be enrolled in EARTH/ENVIRON 119.

119 Intro Geology 4.00 ADVISORY
18681 P LEC 001 MWF 11-12PM AUD C AH Lohmann
To enroll in the Intro Geology Lab, enroll in any section of EARTH/ENVIRON 118. Students are strongly encouraged to enroll in both EARTH/ENVIRON 119 and 118.
18682 P RW DIS 010 W 12-1PM 2502 CCL Benedict
To enroll in the Intro Geology Lab, enroll in any section of EARTH/ENVIRON 118. Students are strongly encouraged to enroll in both EARTH/ENVIRON 119 and 118.
18683 P RW DIS 011 T 2-3PM 2502 CCL Benedict
To enroll in the Intro Geology Lab, enroll in any section of EARTH/ENVIRON 118. Students are strongly encouraged to enroll in both EARTH/ENVIRON 119 and 118.
18684 P RW DIS 012 TH 2-3PM 2502 CCL Benedict
To enroll in the Intro Geology Lab, enroll in any section of EARTH/ENVIRON 118. Students are strongly encouraged to enroll in both EARTH/ENVIRON 119 and 118.
18685 P RW DIS 013 T 1-2PM 2502 CCL Benedict
To enroll in the Intro Geology Lab, enroll in any section of EARTH/ENVIRON 118. Students are strongly encouraged to enroll in both EARTH/ENVIRON 119 and 118.
18686 P RW DIS 014 TH 3-4PM 2502 CCL Benedict
To enroll in the Intro Geology Lab, enroll in any section of EARTH/ENVIRON 118. Students are strongly encouraged to enroll in both EARTH/ENVIRON 119 and 118.
18687 P RW DIS 015 TH 1-2PM 2502 CCL Benedict
To enroll in the Intro Geology Lab, enroll in any section of EARTH/ENVIRON 118. Students are strongly encouraged to enroll in both EARTH/ENVIRON 119 and 118.
18688 P RW DIS 016 M 12-1PM 2502 CCL Benedict
To enroll in the Intro Geology Lab, enroll in any section of EARTH/ENVIRON 118. Students are strongly encouraged to enroll in both EARTH/ENVIRON 119 and 118.

139 FYS Environment 3.00 ADVISORY
22540 P RW SEM 001 TTH 1-230PM 1024 DANA Duvall
Environ, Health, Well-Being
27437 P RW SEM 002 TTH 4-530PM 2062 PALM Benedict
Taming Nature:Domest&Conservat
36348 P R SEM 003 MW 230-4PM ARR Diran

144 Climate and Humans 3.00 ADVISORY
30901 P RW SEM 001 TH 230-4PM 3540 CCL Cole

201 Ecological Issues 4.00
17664 A LEC 001 TTH 1130-1PM 1040 DANA Benedict
36341 P W DIS 002 M 3-4PM ARR Benedict
36340 P W DIS 002 T 4-5PM ARR Benedict
17665 P RW DIS 004 T 4-5PM 3556 DANA Benedict, Ying
17666 P RW DIS 006 M 3-4PM 1046 DANA Benedict, Ying
17667 P RW DIS 007 M 4-5PM 3556 DANA Benedict, Richards
17713 P RW DIS 008 W 4-5PM 2062 PALM Benedict, Ying
17714 P RW DIS 009 W 3-4PM 3556 DANA Benedict, Ying
22821 P RW DIS 010 T 3-4PM 1046 DANA Benedict, Richards

203 Activism 3.00
31354 P W LEC 001 MW 1130-1PM 1427 MH Heaney

208 Bus & the Environ 3.00
23500 A W LEC 001 MW 9-10AM AUD B AH Soderstrom
23501 P RW DIS 002 TH 9-10AM 855 WEISER Soderstrom
23503 P RW DIS 004 TH 10-11AM 855 WEISER Pavlik, Soderstrom
23502 P RW DIS 003 TH 1-2PM 855 WEISER Green, Soderstrom
24337 P RW DIS 005 TH 2-3PM 5179 AH Pavlik, Soderstrom
25004 P RW DIS 006 TH 3-4PM 5179 AH Green, Soderstrom
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This class is closed to seniors until December 12. To enroll in the Intro Oceanography Lab, enroll in any section of EARTH 223 Students are strongly encouraged to enroll in both EARTH 222/ENVIRON 232 and EARTH 223/ENVIRON 233.

This class is closed to seniors until December 11. Students who register for EARTH 222/ENVIRON 233 must also be enrolled in EARTH 223/ENVIRON 232. This class is closed to seniors until December 11. Students who register for EARTH 222/ENVIRON 233 must also be enrolled in EARTH 223/ENVIRON 232. This class is closed to seniors until December 11. Students who register for EARTH 222/ENVIRON 233 must also be enrolled in EARTH 223/ENVIRON 232. This class is closed to seniors until December 11. Students who register for EARTH 222/ENVIRON 233 must also be enrolled in EARTH 223/ENVIRON 232.
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Exhibit Museum

Museum Methods (MUSMETH)

I  IND  +  ARR  ARR

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Crystal Ball of Modernity
History Department

History (HISTORY)

--IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS MAY BE REGISTERED OFFICIALLY FOR A COURSE, THE DEPARTMENT MAY GIVE AWAY PLACES IN A COURSE IF STUDENTS DO NOT ATTEND THE FIRST TWO COURSE MEETINGS.

--ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION PROCESS TO MAKE SURE THAT THEIR OFFICIAL COURSE SCHEDULES MATCH THE COURSES THEY ARE ATTENDING.

--100 THRU 500 LEVEL 4 CREDIT HOUR COURSES ARE 4 CREDIT HOURS FOR UNDERGRADUATES ONLY.

--SURVEY AND INTRODUCTORY COURSES ARE FOR FRESHMEN AND SOPHOMORES.

--SURVEY COURSES REQUIRE BOTH LECTURE AND DISCUSSION SECTIONS. DISCUSSION SECTIONS DO NOT MEET UNTIL AFTER FIRST LECTURE.

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Jewish Photographers

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Black Freedom, African Justice

| 30419 | P RW SEM 007 T | ARR | ARR | |
| 30800 | P RW SEM 007 T | 3-6PM | G449 MH | Marwil |

Holocaust Documentaries

| 30953 | P RW SEM 008 MW | 230-4PM | 49 UMMA | Miles |

Hist of Native American Women

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202 Doing History | 3.00 |

All sections of History 202 are reserved for History Majors. Please email Sheila (sheilaw) for seat availability.

| 22330 | P R SEM 001 TTH | 10-1130AM | G437 MH | Glover |
| 22331 | P R SEM 002 MW | 1130-1PM | G334 HH | Juster |
| 22332 | P RW SEM 003 TTH | 230-4PM | 2271 AH | Pernick |

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Issues in Race & Ethnicity

| 11521 | P W DIS 002 T | 12-1PM | 2436 MH | Bowman |
| 11522 | P W DIS 003 T | 1-2PM | 3242 LSA | Bowman |
| 18295 | P W DIS 004 T | 3-4PM | 1427 MH | Bowman |

216 World War I | 4.00 |
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<td>Israel</td>
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<td>228</td>
<td>Commu &amp; Capital E Eur</td>
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<td>260 WEISER</td>
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**Nomads in the Modern World**
- P W LEC 001 MW 12:15-1:30PM 1427 MH (Poteet)

**Topics in History/HU**
- P W LEC 001 MW 12:15-1:30PM 1427 MH (Poteet)

**Global Environ Hist**
- P W LEC 001 MW 12:15-1:30PM 1427 MH (Poteet)

**Arab-Israeli Conflict**
- P W LEC 001 MW 12:15-1:30PM 1427 MH (Poteet)
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How to Become a Billionaire

331 Poland in Mod World

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
25370 P W LEC 002 MW 10-1130AM 100 HUTCH Hancock

30625 A LEC 001 MW 10-1130AM 1400 CHEM Porter-Szucs
30626 P W DIS 002 W 12-1PM 2402 MLB
30627 P W DIS 003 W 12-1PM B101 MLB
30628 P W DIS 004 W 1-2PM 2402 MLB
30629 P W DIS 005 W 2-3PM B312B DENT
30630 P W DIS 006 W 3-4PM B116 MLB

335 Immigration Law

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
30631 A LEC 001 MW 10-1130AM 220 HUTCH Garskof
30632 P W DIS 002 W 12-1PM B135 MLB Argo
30634 P W DIS 003 W 12-1PM 3448 MH Argo
30635 P W DIS 004 W 3-4PM 1175 NQ Argo

337 Black Women U.S. II

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
31044 P W LEC 001 TTH 1-230PM G040 TISCH Simmons

340 G Khan to Taliban

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
30913 A LEC 001 MW 1-230PM 2548 CCL Northrop
30917 P W DIS 002 W 3-4PM B124 MLB Budak
31030 P W DIS 003 TH 10-11AM 806 BMT Smith
31034 P W DIS 004 TH 11-12PM 806 BMT Smith
31038 P W DIS 005 TH 1-2PM 4152 USB Budak

343 Rise of Corporation

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
30803 P W LEC 001 MW 1-230PM 1640 CHEM Hancock

344 20C Detroit History

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
27377 P W LEC 001 MW 10-1130AM 1405 EQ Helfman

348 National Latin Amer

Issues in Race & Ethnicity

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
18110 A LEC 001 MW 10-1130AM G127 AH Caulfield

Spanish Language Section

Section 004: Spanish-only section. Students interested in taking UC 390.001 for one additional credit should speak with the GSI. Overrides for UC 390 will be issued after classes begin.

349 Rev Movmnts Latin Am

U.S. West

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
26910 A LEC 001 MW 1130-1PM 1449 MH Langland
26911 P W DIS 002 W 12-1PM B101 MLB Rosales
26912 P W DIS 003 W 12-1PM B101 MLB Rosales
31023 P W DIS 004 TH 10-11AM 1046 DANA Rosales

352 Imperial China

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
25371 P W LEC 001 MW 10-1130AM 1400 CHEM Pernick

366 Crime and Drugs

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
26913 A LEC 001 MW 230-4PM 1359 MH French
26914 P W DIS 002 W 230-4PM 1359 MH French
26915 P W DIS 003 W 230-4PM 1359 MH French
26916 P W DIS 004 TH 230-4PM 1359 MH French

373 Epidemics

Asia

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
26951 P W LEC 001 TTH 830-10AM 1046 DANA Rosales

378 Asian Amer Hist

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
35365 P W LEC 001 W 10-1230PM ARR Hochman

390 Topics Mini-Course

Health & Disease in Brazil

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
392 Asian Hist Topics

Gender and War

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
395 Reading Course

396 Black Death

407 Compar Hist Adv Sem

Gend, Sex & Intl Hum Rights

Class # CODE CMP SEC DAYS TIME LOCATION CR INSTRUCTOR PREREQ
417 20C Ger Thought

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Distance Learning Course with University of Maryland.

History of Iran

Protests & Conflict in Israel

Late Colonial SEAsia

Historic South Asia

US History Topics

Asian Hist Topics

History of Sushi

Brazil: Hist & Cult

Europe Hist Topics

The German Discovery of Sex

Convers & Chrístnty

Ec Hist Topic

Global Economic History

Hist Colloquium

Revolutionary Non-Violence

Decolonization After WWII

Christian Egypt

US Soc Movements Since 1950

Relig Tolerance in Med Spain

Lit of WWI & Influence on Soc

Japan's 16th C Revolution

Jr Honors Colloq

Sr Honors Colloq

Writing a Thesis

National Latin Amer

Asian Topics

Gender and War

Topics in History
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**UPDATED CLASS TIME, HISTORY 594.003:** The time on this class will be changed to Tuesday 10:00 am - 1:00 pm.

- **611** Lit American Hist 3.00
- **619** Science Tech & Med 3.00
- **640** Stdy Early Mod Eur 3.00
- **645** Prob Russian Soc 3.00
- **646** Reading Gender Hist 3.00
- **648** Sem-Anthro & Hist I 3.00
- **675** Theorizing Religion 3.00
- **698** Topics in History 3.00
- **700** Independent Res Sem 1.00-3.00
- **715** Research Methods I 3.00
- **716** Research Methods II 3.00
- **802** Reading Course I IND + 1.00-3.00
- **804** Read for Gen Exam I IND + 1.00-3.00
- **808** History Pedagogy I 2.00
- **811** Teaching Practicum D IND + 1.00
- **819** Advanced STS 3.00
- **830** Anthro Hist Workshop 1.00
- **891** Diss Res/Writing Sem 3.00
- **898** Dissertation Colloq 1.00
- **900** Prep for Prelims I IND + 1.00-6.00
- **990** Diss-Precand IND + 1.00-8.00
- **995** Diss-Cand I IND + 8.00

There is no language competency requirement as mentioned under Advisory Prerequisites; all readings are in English.

This course will meet in intervals, usually every two or three weeks (pending writing schedules).
# History Of Art Department

History of Art (HISTART)

NOTE - HISTORY OF ART DISCUSSION SECTIONS DO NOT MEET THE FIRST WEEK OF CLASSES.

## First Year Seminar

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## Art Across Cultures

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## Art and Exchange

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**Museums (MUSEUMS)**

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Honors Program

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| 230  | Honors Core SS     | 4.00|        |     |     |

26997 A  LEC 001  MW  230-4PM  1202 SEB  Adams

Students are auto-enrolled in lecture 001, Capitalisms, when they elect one of discussions 002-007.

26996 P  RW  DIS 002  TH  12-1PM  2225 SEB

Capitalisms

Students are auto-enrolled in lecture 001, Capitalisms, when they elect one of discussions 002-007.

26999 P  RW  DIS 003  TH  1-2PM  1804 SSWB

Capitalisms

Students are auto-enrolled in lecture 001, Capitalisms, when they elect one of discussions 002-007.

27000 P  RW  DIS 004  F  1-2PM  1507 EQ

Capitalisms

Students are auto-enrolled in lecture 001, Capitalisms, when they elect one of discussions 002-007.

27001 P  RW  DIS 005  F  12-1PM  3540 CCL

Capitalisms

Students are auto-enrolled in lecture 001, Capitalisms, when they elect one of discussions 002-007.

27118 A  LEC 010  MW  12-1PM  AUD DAH  Howell

Students are auto-enrolled in lecture 010, Histories of Human Experimentation, when they elect one of discussions 011-017.

27119 P  RW  DIS 011  MW  1-2PM  4128 LSA  Howell

Hist of Human Experimentation

Students are auto-enrolled in lecture 010, Histories of Human Experimentation, when they elect one of discussions 011-017.

27120 P  RW  DIS 012  MW  1-2PM  2009 RUTHVEN

Hist of Human Experimentation

Students are auto-enrolled in lecture 010, Histories of Human Experimentation, when they elect one of discussions 011-017.

27121 P  RW  DIS 013  MW  3-4PM  G634 HH

Hist of Human Experimentation

Students are auto-enrolled in lecture 010, Histories of Human Experimentation, when they elect one of discussions 011-017.

27122 P  RW  DIS 014  TTH  10-11AM  4128 LSA  Howell

Hist of Human Experimentation

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27123 P  RW  DIS 015  TTH  11-12PM  1155 NQ

Hist of Human Experimentation

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27124 P  RW  DIS 016  TTH  12-1PM  G634 HH

Hist of Human Experimentation

Students are auto-enrolled in lecture 010, Histories of Human Experimentation, when they elect one of discussions 011-017.

31117 P  RW  DIS 017  MW  2-3PM  B116 MLB  Howell

Hist of Human Experimentation

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231  | Honors Core HU     | 4.00|        |     |     |

25856 A  LEC 001  TH  1-2PM  1300 CHEM  Buss

Reasoning About Reasoning

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

25856 P  RW  DIS 002  TTH  2-3PM  7603 HH

Reasoning About Reasoning

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

25857 P  RW  DIS 003  TTH  4-5PM  G634 HH

Reasoning About Reasoning

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

29027 P  RW  DIS 004  TTH  2-3PM  2333 MH

Reasoning About Reasoning

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

29254 P  RW  DIS 005  TTH  5-6PM  2347 HH

Reasoning About Reasoning

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

33382 PDR DIS 006  TTH  4-5PM  1511 EQ

Reasoning About Reasoning

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

33383 PDR DIS 007  TTH  5-6PM  1511 EQ

Reasoning About Reasoning

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The Plot Beneath the Garden
Border Crossers
### Judaic Studies (JUDAIC)

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If you have difficulty registering for this course, please contact Judaic Studies at judaicstudies@umich.edu or 734-763-9047 and we will help you enroll!
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Please note that the discussion sections for this class will meet approximately 8 times during the Winter 2017 term, instead of the Thursday lecture. On days when discussion is held, lecture will not be. Dates will be noted on the Winter 2017 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

| 20436 | P W DIS 002 | TH | 4-530PM | 1508 CCL | Bharadwaj |

Introduction to Intnl Studies

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| 20438 | P W DIS 004 | TH | 830-10AM | 355 WEISER | Barr |

Introduction to Intnl Studies

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| 20439 | P W DIS 005 | F | 1-230PM | 355 WEISER | Cerier |

Introduction to Intnl Studies

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| 20440 | P W DIS 006 | F | 230-4PM | 355 WEISER | Cerier |

Introduction to Intnl Studies

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| 21122 | P W DIS 007 | F | 4-530PM | 355 WEISER | Bharadwaj |

Introduction to Intnl Studies

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| 21123 | P W DIS 008 | TH | 830-10AM | 1096 EH | Cerier |

Introduction to Intnl Studies

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| 21149 | P W DIS 009 | F | 230-4PM | 1509 CCL | Bharadwaj |

Introduction to Intnl Studies

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| 21148 | P W DIS 010 | TH | 4-530PM | 2502 CCL | Coxart |

Introduction to Intnl Studies

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| 21536 | P W DIS 011 | TH | 830-10AM | 335 WH | Coxart |

Introduction to Intnl Studies

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| 21537 | P W DIS 012 | TH | 4-530PM | 1096 EH | Barr |

Introduction to Intnl Studies

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| 591 | Spec Wk Human Geog | I | IND + | ARR | AR 2.00-3.00 |
LS&A First Year Seminars

Applied Liberal Arts (ALA)

101 Guide - Liberal Arts
28438 P R LEC 001 M 6-7PM 1096 EH Hoffman
1.00 ENFORCED

103 Academic Decisions
17339 P RW LEC 001 T 2-4PM 1005 WQ Woods
CLASS MEETS JANUARY 20-MARCH 17. Enrollment restricted to participants in MCSP.
1.00 ADVISORY

105 Digital Research
20389 P RW LAB 001 ARR ARR Bradley
Res Meth in the Digital Library
This section taught entirely online.
20390 P RW LAB 002 TH 3-5PM 444B MH Morse
Res Meth in the Digital Library

108 STEM Success
23507 P R SEM 001 M 1030-12PM 113 MOJO Bass
Choose one section only. This class meets every other week starting on January 8.
In addition to the regular class times, there will be two required sessions on Tuesday evenings from 6-8pm.
23508 P R SEM 002 T 1-230PM 113 MOJO Bass
Choose one section only. This class meets every other week starting on January 8.
In addition to the regular class times, there will be two required sessions on Tuesday evenings from 6-8pm.
23510 P R SEM 004 TH 1-230PM 113 MOJO Bass
Choose one section only. This class meets every other week starting on January 8.
In addition to the regular class times, there will be two required sessions on Tuesday evenings from 6-8pm.
23507 P R SEM 005 F 1-230PM ARR Bass

109 Hlth&Hlth Care II
16475 P R LEC 001 TH 3-5PM 1755 SPH1 Eickmeyer
Enrollment restricted to participants in HSSP.

115 Finance Savvy Studnt
17328 P RW DIS 002 TH 5-6PM 1413 COUZENS Farron

122 Intrgrp Dialogue
19215 P I SEM 001 W 230-530PM AUD B AH Mishkin

125 Internship Success
27597 P W LEC 002 TH 5-6PM 110 WEISER-TBL Barron, Anderson

170 ALA Topics
28681 PIRW LEC 001 M 6-8PM 110 WEISER-TBL Owen-Smith

BLI Peer Fac Training
28682 P RW LEC 002 T 6-8PM 110 WEISER-TBL Owen-Smith

BLI Leadership Lab
32776 P RW LEC 003 F 930-1130AM 110 WEISER-TBL Owen-Smith

BLI Leadership Lab
32819 P RW LEC 004 M 6-8PM 110 WEISER-TBL Owen-Smith

BLI Leadership Lab
32851 P RW LEC 005 T 6-8PM 110 WEISER-TBL Owen-Smith

BLI Leadership Lab
32852 P RW LEC 006 F 930-1130AM 110 WEISER-TBL Owen-Smith

BLI Leadership Lab
32853 PI LEC 007 ARR ARR Owen-Smith

BLI Peer Leader
32854 PI LEC 008 ARR ARR Owen-Smith

171 Make the Most of UM
27903 P R SEM 001 T 7-9PM ARR Gurin
This class will meet from the week of January 9th through Feb 20th in Baits II, Coman Lounge.
28510 P R SEM 002 T 7-9PM B832 EQ Gurin
This class will meet from the week of January 9th through Feb 20th in East Quad, B852
28511 P R SEM 003 T 7-9PM G023 WQ Gurin
This class will meet from the week of January 9th through Feb 20th in West Quad, G023.
28512 P R SEM 004 T 7-9PM COUZENS HALL Gurin
This class will meet from the week of January 9th through Feb 20th in Couzens, Living Room.
28513 P R SEM 005 W 7-9PM G023 WQ Gurin
This class will meet from the week of January 9th through Feb 21st in West Quad, G023.
This class will meet from the week of January 9th through Feb 21st in Bursley, MGS Lounge.

This class will meet from the week of January 9th through Feb 21st in West Quad, Asubuhi Lounge.

This class will meet from the week of January 9th through Feb 21st in Couzens, Living Room.

This class will meet from the week of January 9th through Feb 22st in MoJo, Cesar Chavez.

This class will meet from the week of January 9th through Feb 22st in Markley, Sharangpani Lounge.

This class will meet from the week of January 9th through Feb 22nd in South Quad, YK Lounge.

This class will meet from the week of January 9th through Feb 22nd in East Quad, B834.

This class will meet from the week of January 9th through Feb 22nd in Alice Lloyd Hall, Vicky Barner Lounge.

This class will meet in the Multi Purpose Room in West Quad.

Request permission at igrcourses@umich.edu. Please indicate course number, student name, umich email and student ID. Permissions will be granted starting Dec. 1st.

This class will meet in the Multi Purpose Room in West Quad.

This class will meet In University Health Service, 4th floor, Meeting Rms 1 & 2

This class will meet In University Health Service, 4th floor, Meeting Rms 1 & 2

This class will meet in University Health Service, 4th floor, Meeting Rms 1 & 2

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Class meets on the following days:
Friday, January 13, 8-9 p.m.
Friday, January 27-Sunday, January 29*
Friday, February 10, 8-9 p.m.
March 10, 8-9 p.m.
March 17, 8-9 p.m.
March 31, 8-9 p.m.

*On the weekend of January 27-29, Rising Peer Facilitators will attend a mandatory overnight retreat at an off-campus location.

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For information, please contact Lori Gould lgould@umich.edu.
### LSA II: Chinese Studies

**Chinese Studies (CCS)**

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This is the MA thesis writing course for MA students in Chinese Studies. Student should contact a faculty member to act as thesis advisor. Then email mbartolo@umich.edu for permission to register.
LSA II: Islamic Studies Program

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Modern Islamic Movements
**LSA II: Japanese Studies**

**Japanese Studies (CJS)**

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**LSA II: Middle Eastern & North African Studies**

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**LSA II: Nam Center Korean Studies Program**

**Korean Studies (KRSTD)**

- **27882 PD LEC 001 W**: Topics in Korean Stu, Nam UG Fellows Pro-Seminar, 530-7PM, ARR, Bang
- **31244 P LEC 001 MW**: SS Topics Korean Std, Money, Power, & Politics Korea, 230-4PM, 110 WEISER-TBL, Bang
- **27883 PD LEC 001 W**: Adv Topics Korean St, Nam UG Research Fellows Sem II, 530-7PM, ARR, Bang
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U of M Schedule of Classes Page 216 of 452

WN 2018 2170 12-18-2017 12:12 20249727
LSA II: Prog in Internat'l & Comparative Studies

Introduction to Intnl Studies

101 Int to Intnl Studies 3.00

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Please note that the discussion sections for this class will meet approximately 8 times during the Winter 2018 term, instead of the Thursday lecture. On days when discussion is held, lecture will not be. Dates will be noted on the Winter 2018 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

Introduction to Intnl Studies

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# Department of Linguistics

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## Linguistics (LING)

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Macromolecular Sci & Engr Ctr

Macromolecular Science (MACROMOL)

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Mathematics Department
Mathematics (MATH)

---MATH DEPARTMENT POLICY REQUIRES THAT STUDENTS ATTEND BOTH OF THE FIRST TWO CLASS MEETINGS (OR NOTIFY THE INSTRUCTOR IN ADVANCE OF THEIR ABSENCE) OR THEY MAY BE DROPPED FROM THE CLASS.
---ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION SYSTEM TO MAKE SURE THAT THEIR OFFICIAL SCHEDULE OF COURSES MATCHES THE COURSES THEY ARE ATTENDING.
---MATH DEPARTMENT POLICY LIMITS STUDENTS TO A MAXIMUM OF 4 CREDITS FOR COURSES NUMBERED BELOW 112.

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| 105  | Data,Fcnns,Graphs | 4.00 |        |         |
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| 105  | Data,Fcnns,Graphs | 4.00 |        |         |
| 11625| P LEC 015 MWTH 10-1130AM 2436 MH | 4.00 |         |         |
|      | P LEC 015 T 6-8PM ARR |        |         |         |
|      | P LEC 015 T 6-8PM ARR |        |         |         |
|      | Evening Exams for MATH 105: Tues, Feb 6, 6-8PM & Tues, Mar 20, 6-8PM. Avoid scheduling classes that conflict with these times. |

| 105  | Data,Fcnns,Graphs | 4.00 |        |         |
| 27834| P LEC 052 MTTH 4-530PM 3451 MH | 4.00 |         |         |
|      | P LEC 052 T 6-8PM ARR |        |         |         |
|      | P LEC 052 T 6-8PM ARR |        |         |         |
|      | Evening Exams for MATH 105: Tues, Feb 6, 6-8PM & Tues, Mar 20, 6-8PM. Avoid scheduling classes that conflict with these times. |

| 105  | Data,Fcnns,Graphs | 4.00 |        |         |
| 20452| P LEC 170 MWF 9-11AM B860G EH Basu | 4.00 |        |         |
|      | P R LEC 170 T 6-8PM ARR |        |         |         |
|      | This is a CSP section; enrollment requests should be directed to CSP. |

| 105  | Data,Fcnns,Graphs | 4.00 |        |         |
| 29566| P LEC 171 MWF 1-3PM 4151 USB Basu | 4.00 |        |         |
|      | P R LEC 171 T 6-8PM ARR |        |         |         |
|      | This is a CSP section; enrollment requests should be directed to CSP. |

| 115  | Calculus I | 4.00 | ADVISORY |
| 11627| P R LEC 001 MWF 830-10AM 2325 MH | 4.00 |         |
|      | P R LEC 001 T 8-10PM ARR |        |         |
|      | Evening Exams for MATH 115: Tues, Feb 6, 8-10PM & Tues, Mar 20, 8-10PM. Avoid scheduling classes that conflict with these times. |

| 115  | Calculus I | 4.00 | ADVISORY |
| 25006| P LEC 002 MTTH 830-10AM 2449 MH | 4.00 |         |
|      | P LEC 002 T 8-10PM ARR |        |         |
|      | Evening Exams for MATH 115: Tues, Feb 6, 8-10PM & Tues, Mar 20, 8-10PM. Avoid scheduling classes that conflict with these times. |

| 115  | Calculus I | 4.00 | ADVISORY |
| 11633| P LEC 003 T 830-10AM 2325 MH | 4.00 |         |

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Evening Exams for MATH 115: Tues, Feb 6, 8-10PM & Tues, Mar 20, 8-10PM. Avoid scheduling classes that conflict with these times.

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Evening Exams for MATH 115: Tues, Feb 6, 8-10PM & Tues, Mar 20, 8-10PM. Avoid scheduling classes that conflict with these times.
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**Evening Exams for MATH 115: Tues, Feb 6, 8-10PM & Tues, Mar 20, 8-10PM. Avoid scheduling classes that conflict with these times.**

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Evening Exams for MATH 115: Tues, Feb 6, 8-10PM & Tues, Mar 20, 8-10PM. Avoid scheduling classes that conflict with these times.

115 Calculus I

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Evening Exams for MATH 115: Tues, Feb 6, 8-10PM & Tues, Mar 20, 8-10PM. Avoid scheduling classes that conflict with these times.
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<td>Students wishing to take this course should add themselves to the waitlist. Completion of 175 or permission of honors advisor/instructor required.</td>
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</table>
Evening exams for Math 214 will take place 6-8PM on Wed, Jan 31 and Tues, Mar 13. Please avoid scheduling anything that conflicts with these dates.

Please note the restricted seats. For information about overrides, please contact the staff in IOE at wldobber@umich.edu

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Evening exams for Math 214 will take place 6-8PM on Wed, Jan 31 and Tues, Mar 13. Please avoid scheduling anything that conflicts with these dates.
Evening Exams for MATH 215: Thurs, Feb 8, 6-8PM & Thurs, Mar 22, 6-8PM. Avoid scheduling classes that conflict with these times.
11679 P W LAB 042 T 9-10AM B737 EH
Evening Exams for MATH 215: Thurs, Feb 8, 6-8PM & Thurs, Mar 22, 6-8PM. Avoid scheduling classes that conflict with these times.
11680 P W LAB 043 T 1-2PM B737 EH
Evening Exams for MATH 215: Thurs, Feb 8, 6-8PM & Thurs, Mar 22, 6-8PM. Avoid scheduling classes that conflict with these times.
11681 P W LAB 044 T 2-3PM B737 EH
Evening Exams for MATH 215: Thurs, Feb 8, 6-8PM & Thurs, Mar 22, 6-8PM. Avoid scheduling classes that conflict with these times.

Evening Exams for MATH 216: Tues, Feb 13, 8-10PM & Mon, Mar 19, 8-10PM. Avoid scheduling classes that conflict with these times.
11693 P W LAB 071 T 10-11AM B735 EH
Evening Exams for MATH 216: Tues, Feb 13, 8-10PM & Mon, Mar 19, 8-10PM. Avoid scheduling classes that conflict with these times.
11694 P W LAB 072 T 11-12PM B735 EH
Evening Exams for MATH 216: Tues, Feb 13, 8-10PM & Mon, Mar 19, 8-10PM. Avoid scheduling classes that conflict with these times.
11695 P W LAB 073 T 3-4PM B735 EH
Evening Exams for MATH 216: Tues, Feb 13, 8-10PM & Mon, Mar 19, 8-10PM. Avoid scheduling classes that conflict with these times.
11696 P W LAB 074 T 4-5PM B735 EH
Evening Exams for MATH 216: Tues, Feb 13, 8-10PM & Mon, Mar 19, 8-10PM. Avoid scheduling classes that conflict with these times.

### 216 Intro Diff Equat

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Evening Exams for MATH 216: Tues, Feb 13, 8-10PM & Mon, Mar 19, 8-10PM. Avoid scheduling classes that conflict with these times.
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Evening Exams for MATH 216: Tues, Feb 13, 8-10PM & Mon, Mar 19, 8-10PM. Avoid scheduling classes that conflict with these times.
Evening Exams for MATH 217: Weds, Feb 14, 6-8PM & Weds, Mar 28, 6-8PM. Avoid scheduling classes that conflict with these times.

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<td>B735 EH</td>
<td>3.00</td>
<td>ADVISORY</td>
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</table>

Please add your name to the waitlist if you're interested in this section. Enrollment priority is given to students who have taken Math 186 or Math 176. Incoming freshmen must speak with an honors math advisor for permission into Math 285.

Students wishing to take this course should add themselves to the waitlist. Completion of 285 or permission of honors advisor/instructor required.

Students in Math 295 (Fall term) should add to the wait list in order to receive an override. Others require permission of an Honors advisor.

Students interested in taking this course should add themselves to the waitlist and email the instructor to discuss enrollment possibilities. Students will be expected to have done extremely well in Math 217.

Math 351 is for Sophomores and Juniors with Math 215 and 217. For permission, please add your name to the wait list and email the instructor indicating your interest in the course, include a list of math classes you’ve taken thus far.

To register for this course, please place yourself waiting list. Capacity is limited and instructor permission is required. Reasonable familiarity with proofs shown by good performance at level of Math 217 or Math 295 is expected. Students may contact the instructor by email to arrange interview to discuss suitability of course. In your email please add a sentence or two about your background and interest in the course.

To register for this course, please place yourself waiting list. Capacity is limited and instructor permission is required. Reasonable familiarity with proofs shown by good performance at level of Math 217 or Math 295 is expected. Students may contact the instructor by email to arrange interview to discuss suitability of course. In your email please add a sentence or two about your background and interest in the course.
Please add your name to the wait list. Priority is given to Actuarial and Financial Math majors.

Wait list preference given to Actuarial Math students.

Wait list preference given to Actuarial Math students.

Wait list preference given to Actuarial Math majors.

Wait list preference given to Actuarial Math majors.

Wait list preference given to Actuarial Math majors.

For waitlisted students: preference is given to Financial Math majors.

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Enforced Prerequisite - Math 385 or permission of instructor.
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494 Honors Algebra II 3.00 ENFORCED
11759 P RW LEC 001 MWF 1-2PM 4088 EH Zhang

Please add yourself to the waitlist if you wish to register for this course. Math 493 is the enforced prerequisite.

498 Topics Mod Math 3.00 ADVISORY
27843 P W LEC 001 MWF 12-1PM 3866 EH Forger
Math, Music, and the Brain
32405 P W LEC 002 M 3-4PM 1866 EH Kaletha
P W LEC 002 F 4-6PM 1866 EH

499 Independent Reading 1.00-4.00 ADVISORY
SI IND ARR ARR

501 AIM Student Sem 1.00 ADVISORY
16165 P RW SEM 001 TTH 8-10AM 4096 EH Young
Math 520 with a grade of C- or above is the enforced pre-req for Math 521
11760 P RW SEM 001 TTH 10-1130AM 4096 EH Young

502 Loss Models II 3.00 ENFORCED
25532 P RW LEC 001 TTH 1130-1PM 4088 EH Marker
ENROLLMENT FOR THIS COURSE IS BY WAIT-LIST ONLY. Waitlist preference will be given to students who took Math 523 in F16.

521 Life Contin II 3.00 ENFORCED
20363 P RW LEC 001 TTH 10-12PM 4096 EH Young
Math 520 with a grade of C- or above is the enforced pre-req for Math 521
11760 P RW LEC 002 TTH 10-1130AM 4096 EH Young

524 Loss Models II 3.00 ENFORCED
24085 P RW LEC 001 TTH 1130-1PM 4088 EH Marker
ENROLLMENT FOR THIS COURSE IS BY WAIT-LIST ONLY. Waitlist preference will be given to students who took Math 523 in F16.

525 Probability 3.00 ADVISORY
11761 P W LEC 001 TTH 10-1130AM 3088 EH Azimzadeh
Please add yourself to the wait list if this section is full. Preference is given to Financial Math and AIM graduate students
23812 P W LEC 002 TTH 1-2PM 4096 EH Azimzadeh
Please add yourself to the wait list if this section is full. Preference is given to Financial Math and AIM graduate students

526 Disc Stoc Proc 3.00 ADVISORY
11762 P RW LEC 001 TTH 8-10AM 4088 EH Keller
FIN ENGINEERS, AIM AND ACTU/FIN MATH STUDENTS ONLY. STUDENTS SHOULD ADD THEMSELVES TO THE WAIT LIST.
19793 P W LEC 002 TTH 10-1130AM 4088 EH Saplaouras
FIN ENGINEERS, AIM AND ACTU/FIN MATH STUDENTS ONLY. STUDENTS SHOULD ADD THEMSELVES TO THE WAIT LIST.

547 Prob Mod Biolinf 3.00 ADVISORY
33222 P LEC 001 TTH 8-10AM 3866 EH Rajapakse, Burns Jr

550 Int Adpt Sys 3.00 ADVISORY
31360 P W LEC 001 MW 8-10AM 747 WEISER Doering

555 Complex Variables 3.00 ADVISORY
11763 P W LEC 001 MW 8-10AM 4096 EH Silva

557 Appl Asympt Analysis 3.00 ADVISORY
17274 P W LEC 001 TTH 1-230PM 3088 EH Krasny
Asymptotic Analysis

558 Linear Pro I 3.00 ADVISORY
11764 P W LEC 001 MW 9-11AM 1680 IE Nagarajan

560 Cont Optimum Methods 3.00 ADVISORY
22499 P W LEC 001 TTH 9-11AM 1014 Dow Epelman

566 Combinatorial Theo 3.00 ADVISORY
21970 P W LEC 001 TTH 11-12PM 3866 EH Karp

567 Intro Coding Theory 3.00 ADVISORY
22466 P W LEC 001 TTH 230-4PM 4096 EH Zerbib Gelaki

571 Num Lin Algebra 3.00 ADVISORY
23386 P W LEC 001 TTH 10-1130AM 4404 RAND Alben

572 Num Mthd DE 3.00 ADVISORY
11765 P W LEC 001 TTH 1130-1PM 3088 EH Esedoglu

574 Fin Math II 3.00 ADVISORY, ENFORCED
25406 P RW LEC 001 TTH 1-230PM 1068 EH Herrmann

Please add your name to the waitlist. Preference is given to students in the Quantitative Finance Program.

575 Theory of Nos I 1.00-3.00 ADVISORY
25534 P W LEC 001 TTH 10-11AM 1866 EH Kim

582 Intro to Set Theory 3.00 ADVISORY
19257 P W LEC 001 TTH 11-12PM 4096 EH Fernandez Breton

590 Intr to Topology 3.00 ADVISORY
20362 P W LEC 001 TTH 12-13PM 3096 EH Zheng

592 Intr Alg Topology 3.00 ADVISORY
11766 P W LEC 001 TTH 10-11AM 3088 EH Bhatt

594 Algebra II 3.00 ADVISORY
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Seats are reserved for Math Graduate students. Math undergrads and non-math grad students may add their name to the wait-list once undergrad registration has begun.

# Medieval and Early Modern Studies

**Medieval and Early Modern Studies (MEMS)**

### Later Med Europe

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### Interdisc Diss Coll

The meeting date and time will be set in consultation with students enrolled in the course at the beginning of the term.
Molecular, Cellular, and Developmental Biology

Molecular, Cellular and Developmental Biology (MCDB)

--FOR ADDITIONAL COURSES, PLEASE CHECK THE LISTINGS UNDER BIOLOGY AND EEB (ECOLOGY AND EVOLUTIONARY BIOLOGY).

300 Undergrad Research
I IND + ARR ARR 1.00-3.00 ADVISORY
30981 P W LEC 001 MWF 4-5PM 2260 USB Shafer

303 Topics in Biology
3.00 ADVISORY

306 Genetics Laboratory
3.00 ADVISORY, ENFORCED 80.00

--LABORATORY SECTIONS BEGIN ON MONDAY, JAN. 8. PLACES MUST BE CLAIMED AT THE BEGINNING OF THE FIRST LAB MEETING.

THREE HOURS PER WEEK AT IRREGULAR TIMES WILL BE REQUIRED IN ADDITION TO THE SCHEDULED LABS.

11036 A RW LEC 001 F 9-10AM AUD C AH Spillane

11037 P RW LAB 002 M 1-4PM 3131 USB

11038 P RW LAB 003 M 1-4PM 3143 USB

11039 P RW LAB 004 T 10-1PM 3131 USB

19126 P RW LAB 005 T 10-1PM 3143 USB

310 Intro Biochemistry
3.00 ADVISORY, ENFORCED

--DISCUSSION SECTIONS BEGIN THE WEEK OF JAN. 8. NO CREDIT FOR THIS COURSE IS GRANTED TO THOSE WHO HAVE COMPLETED BIOLOGY 310 OR 311, OR BIOCHEM 415.

11040 A RW LEC 001 TTH 4-530PM 1800 CHEM Balazovich, Nandakumar

11041 P RW DIS 002 W 4-530PM 1507 CCL

11043 P RW DIS 004 W 2-330PM 1628 CHEM

11044 P RW DIS 005 W 10-11AM 1628 CHEM

32151 P RW DIS 006 W 4-530PM 2520 CCL

16842 P RW DIS 007 F 10-1130AM 2044 RUTHVEN

16843 P RW DIS 008 F 10-1130AM 2234 USB

17004 P RW DIS 009 F 10-1130AM 4152 USB

16844 P RW DIS 010 F 10-1130AM 2062 PALM

32152 P RW DIS 011 F 10-11AM 2412 MLB

17753 P RW DIS 012 F 1-230PM 1509 CCL

18850 P RW DIS 013 F 1-230PM 1507 CCL

32153 P RW DIS 014 F 1-230PM 2015 RUTHVEN

17751 P RW DIS 015 F 1-230PM 2047 RUTHVEN

17752 P RW DIS 016 F 1-230PM 1628 CHEM

321 Plant Physiol Lec
25505 P RW LEC 001 TTH 1130-1PM 1505 CCL 3.00 ADVISORY, ENFORCED

400 Advanced Research
IR IND + ARR ARR 1.00-3.00 ADVISORY, ENFORCED

406 Mod Genetic Advances
32158 P RW LEC 001 TTH 10-1130AM 2062 PALM 3.00 ENFORCED

408 Genomic Biology
30983 P RW LEC 001 TTH 10-1130AM 1628 CHEM 3.00 ENFORCED

415 Microbial Genetics
30984 P RW LEC 001 WF 1-230PM 1518 CCL 3.00 ENFORCED

422 Brain Development
20930 P RW LEC 001 MF 11-12PM 1505 CCL 3.00 ADVISORY, ENFORCED

423 Neurobiology Lab
18120 P RW LAB 001 MW 12-4PM 4118 USB 2.00 ADVISORY, ENFORCED 90.00

18121 P RW LAB 002 TTH 12-4PM 4118 USB

25507 P RW LAB 001 TTH 1-5PM 3123 USB 2.00 ADVISORY, ENFORCED

25506 P RW LAB 002 TH 1-5PM 3123 USB

427 Molecular Biology
22573 A RW LEC 001 TTH 4-530PM 1300 CHEM Maddock

EXAMS WILL BE GIVEN THU., JAN. 25, FEB. 20, MAR. 22, AND THU., APR. 12 AT 6-8 PM.

22574 P RW DIS 002 W 230-4PM 2520 CCL

24765 P RW DIS 003 TH 230-4PM 1632 CHEM

428 Cell Biology
11051 A RW LEC 001 MF 11-12PM 1505 CCL 4.00 ADVISORY, ENFORCED

11052 P RW DIS 002 W 2-330PM 2009 RUTHVEN Arines

11053 P RW DIS 003 M 2-330PM 2009 RUTHVEN Arines

11054 P RW DIS 004 T 2-330PM 1628 CHEM Ahat

11055 P RW DIS 005 T 3-4PM 1628 CHEM Ahat

429 Cell&Molec Biol Lab
11058 A RW LEC 001 M 1-230PM 1400 CHEM Balazovich

3.00 ADVISORY, ENFORCED 150.00

11060 P RW LAB 003 T 8-12PM 3130 USB

P RW LAB 003 TH 8-1130AM 3130 USB

11061 P RW LAB 004 T 1-5PM 3130 USB

P RW LAB 004 TH 1-430PM 3130 USB

19118 P RW LAB 007 T 6-10PM 3130 USB

P RW LAB 007 TH 6-930PM 3130 USB

433 Plant Biochemistry
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Near Eastern Studies Department

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This course is scheduled according to student availability. Please contact the instructor, Trevor Le Gassick (tleg@umich.edu) if you are interested in taking this course.

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This course is scheduled according to student availability. Please contact the instructor, Michael Pifer (mpifer@umich.edu) if you are interested in taking this course.

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If you would like to take this course, please enroll. The final class meeting times are scheduled in consultation with the enrolled students.

**DR IND + ARR ARR**

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This course is scheduled according to student availability. Please contact the instructor, Gary Beckman (sidd@umich.edu) if you are interested in taking this course.

**Intro to Akkadian**

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**Int CentAsian Lan II**

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**Intro to Akkadian Readings**

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**Hittite Readings**

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This course is scheduled according to student availability. Please contact the instructor, Gary Beckman (sidd@umich.edu) if you are interested in taking this course.

**Readings in Sumerian**

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This is a Course Share with Indiana University. Students will video conference into lectures held at IU.

**Adv Cent Asian Lan II**

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This course is scheduled according to student availability. Please contact the instructor, Nilay Sevinc (nsevinc@umich.edu) if you are interested in taking this course.

### Persian Language (PERSIAN)

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This course is scheduled according to student availability. Please contact the instructor, Nilay Sevinc (nsevinc@umich.edu) if you are interested in taking this course.

### Turkish Language (TURKISH)

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This course is scheduled according to student availability. Please contact the instructor, Nilay Sevinc (nsevinc@umich.edu) if you are interested in taking this course.
Organizational Studies

Organizational Studies (ORGSTUDY)

203  Activism  3.00  Heaney
31344  P  W  LEC  001  MW  1130-1PM  1427 MH

205  Psych of Inequality  3.00  ADVISORY  Ho
32358  P  RW  LEC  001  TTH  1-230PM  1518 CCL

208  Bus & the Environ  3.00  Soderstrom
23495  A  W  LEC  001  MW  9-10AM  AUD B AH
23496  P  RW  DIS  002  TH  9-10AM  855 WEISER
23497  P  RW  DIS  003  TH  10-11AM  855 WEISER  Soderstrom
23498  P  RW  DIS  004  TH  1-2PM  855 WEISER  Green, Soderstrom
24297  P  RW  DIS  005  TH  2-3PM  5179 AH  Pavlik, Soderstrom
25002  P  RW  DIS  006  TH  3-4PM  5179 AH  Soderstrom
25853  P  RW  DIS  007  F  10-11AM  855 WEISER  Battiste, Soderstrom
28614  P  RW  DIS  008  F  11-12PM  855 WEISER  Soderstrom
28678  P  RW  DIS  009  F  12-1PM  855 WEISER  Battiste, Soderstrom
28680  P  RW  DIS  010  F  1-2PM  855 WEISER  Pavlik, Soderstrom

299  Undergrad Internship  1.00  ADVISORY  Battiste, Soderstrom
D  IND +  ARR  ARR

305  Inside Organizations  3.00  ADVISORY  Garcia
17201  P  RW  LEC  001  MW  10-1130AM  1401 MH  Levine

420  Nonprofit Orgs  3.00  ADVISORY  Heaney
31345  PDRW SEM  001  TTH  1130-1PM  855 WEISER

425  Interest Grp Pol  3.00  ADVISORY  Samford
31346  P  RW  LEC  001  MW  230-4PM  855 WEISER  Heaney

495  Special Topics  3.00-4.00  ADVISORY  Sweetman
28560  PDRW SEM  002  TH  1-230PM  855 WEISER

Technological Innovation
26114  PDRW SEM  002  TH  230-350PM  855 WEISER

Strategic Change through HRM

497  Sr Honors Res I  3.00-4.00  ADVISORY
D  IND +  ARR  ARR

498  Sr Honors Res II  3.00-4.00  ADVISORY
SDR  IND +  ARR  ARR

499  Independent Study  1.00-4.00  ADVISORY
D  IND +  ARR  ARR
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**Philosophy, Politics and Economics (PPE)**

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Physics Department

Physics (PHYSICS)

--A STUDENT WHO DOES NOT ATTEND THE FIRST MEETING OF A BIOLOGY, CHEMISTRY, OR PHYSICS LABORATORY MAY BE DROPPED FROM THE COURSE FOR NON-ATTENDANCE. ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION SYSTEM TO MAKE SURE THAT THEIR OFFICIAL SCHEDULE OF COURSES MATCHES THE COURSES THEY ARE ATTENDING.

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**PHYSICS 136 begins the week of January 8th.**

Please make sure your lab does not conflict with the evening exams.

**Students should elect PHYSICS 136 as the corresponding lab.**

**PHYSICS 135 Phys Life Science I**

Students should elect PHYSICS 136 as the corresponding lab.

**PHYSICS 136 begins the week of January 8th.**

Please make sure your lab does not conflict with the evening exams.

**Students should avoid scheduling classes that conflict with this time.**

- The final exam will be Friday, April 20, at 7:30pm.
- Evening midterms for this course will take place 6-8pm on February 1, March 8, and April 5. Students should avoid scheduling classes that conflict with this time.

**Physics Department Schedule**

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**General Physics I**

**Phys Life Sciences Lab I**

Please make sure your lab does not conflict with the evening exams.

**Physics (PHYSICS) Schedule**

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Evening midterms for this course will take place 6-8pm on February 1, March 8, and April 5. Students should avoid scheduling classes that conflict with this time. As in previous terms, midterm exams will be written to take 1.5 hours. This semester, all students will be allowed to take as much as 50% more time should they feel they would benefit from it. The final exam will be Friday, April 20, at 7:30pm.
Students must elect PHYSICS 141 as the corresponding lab. A laptop will be required to complete some of the course assignments for PHYSICS 140 and 141. Students with concerns or questions about this requirement should email physics.sso@umich.edu.

20948 P R LEC 200 MTWH 10-11AM 182 WEISER Popov

PHYSICS 141 begins the week of January 8th. A laptop will be required to complete some of the course assignments for PHYSICS 140 and 141. Students with concerns or questions about this requirement should email physics.sso@umich.edu.

20949 P R LEC 300 MTW 11-12PM 182 WEISER Popov

PHYSICS 141 begins the week of January 8th. A laptop will be required to complete some of the course assignments for PHYSICS 140 and 141. Students with concerns or questions about this requirement should email physics.sso@umich.edu.

21908 PDR LEC 400 MTWFH 1-2PM 268 WEISER Melnichuk

Section 400 is for Comprehensive Studies students only. Students should contact CSP to receive an override for this section.

Evening midterms for this course will take place 6-9pm on February 1, March 8, and April 5. Students should avoid scheduling classes that conflict with this time. As in previous terms, midterm exams will be written to take 1.5 hours. This semester, all students will be allowed to take as much as 50% more time should they feel they would benefit from it. The final exam will be Friday, April 20, at 7:30pm.

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See end of page for details.

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**PHYSICS 141** begins the week of January 8th. A laptop will be required to complete some of the course assignments for PHYSICS 140 and 141. Students with concerns or questions about this requirement should email physics.sso@umich.edu. Please make sure your lab section does not conflict with evening exams for other courses.

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Seats in this section of PHYSICS 141 are reserved for students in the First-Year STEM Learning Communities. Visit https://sites.isa.umich.edu/stem-learning-communities/ for more information.
PHYSICS 241 begins meeting the week of January 8th. Please make sure your lab section does not conflict with evening exams for other courses.

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210 Energy

PHYSICS 210 will not meet on Wednesday, January 3, 2018. The first class will be on Monday, January 8, 2018.

235 Phy Life Sciences II

Evening midterms for this course will take place 8-10pm on February 1, March 8, and April 5. Students should avoid scheduling classes that conflict with this time. The final exam will be Friday, April 20, at 7:30pm. Students should elect PHYSICS 236 as the corresponding lab.

PHYSICS 236 Labs begin the first week of classes.

PHYSICS 210 will not meet on Wednesday, January 3, 2018. The first class will be on Monday, January 8, 2018.

PHYSICS 210 will not meet on Wednesday, January 3, 2018. The first class will be on Monday, January 8, 2018.

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PHYSICS 360 will be holding a weekly tutorial on Mondays from 5:30 - 7:30pm in CHEM A859.

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"Section 881 in only for students in Integrated Microsystems Degree Program"
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30789 P  W DIS 002 F 10-11AM LEC RM 2 MLB
30790 P  W DIS 003 F 2-3PM 2011 MLB
30791 P  W DIS 004 F 3-4PM 2011 MLB

332 Am Economic Equality
28376 A  LEC 001 TTH 230-4PM G127 AH Mickey
28377 P  RW DIS 002 F 9-10AM 5180B AH Heck
28378 P  RW DIS 003 F 12-1PM 1359 MH Heck
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334 Commu & Captit E Eur
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339 China Ev Com
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348 Pol Econ Developmnt
24415 P  W REC 001 MW 230-4PM 2306 MH Joshi

352 How to be an Autocrat
32660 A  LEC 001 MW 830-10AM 2255 NO Hassan
32661 P  RW DIS 002 W 3-4PM B120 MLB Guo
32662 P  RW DIS 003 W 6-7PM G437 MH Guo
32663 P  RW DIS 004 W 12-1PM G449 MH Guo

369 Intl Economic Rel
25435 A  LEC 001 MW 10-1130AM G311 DENT Joshi

381 Pol Science Research
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383 Pol Sci Rsrch Opp
384 Directed Studies

389 Topics
25692 P  W REC 001 TTH 1-230PM 260 WEISER Rivers

390 Ottawa Internship Cr
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399 Adv Internship
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402 Lib&Critics
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Psychology Department

Psychology (PSYCH)

--IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS ARE REGISTERED
OFFICIALLY FOR A COURSE, THE DEPARTMENT MAY REQUEST THAT THEY BE DISENROLLED IF THEY DO NOT ATTEND INITIAL CLASSES.

**111 Intro to Psych**

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Students are auto-enrolled in Lec 030 when they elect a Dis 031-045.

18484 P RW DIS 032 F 10-11AM B834 EQ

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

16380 P RW DIS 034 T 7-8PM 271 WEISER

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

11893 P RW DIS 036 W 5-6PM 271 WEISER

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

19089 P RW DIS 040 TH 5-6PM B834 EQ

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

21673 A LEC 001 MW 4-530PM AUD 3 MLB Malley

Students are auto-enrolled in Lec 001 when they elect a Dis 071-082.

27929 A LEC 070 TTH 230-4PM 1324 EH Buvinger

Students are auto-enrolled in Lec 070 when they elect a Dis 071-082.

27930 P RW DIS 071 T 6-7PM 1084 EH

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27931 P RW DIS 072 T 7-8PM 268 WEISER

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27932 P RW DIS 073 W 8-9AM 271 WEISER

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27933 P RW DIS 074 W 9-10AM B852 EQ

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27934 P RW DIS 075 W 12-1PM 271 WEISER

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27935 P RW DIS 076 W 2-3PM B852 EQ

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27936 P RW DIS 077 W 6-7PM 268 WEISER

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27937 P RW DIS 078 W 6-7PM 268 WEISER

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27938 P RW DIS 079 F 9-10AM 268 WEISER

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27939 P RW DIS 080 F 11-12PM B830 EQ

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27939 P RW DIS 080 F 11-12PM B830 EQ

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

27939 P RW DIS 080 F 11-12PM B830 EQ

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

32338 P RW DIS 083 TH 8-9AM B830 EQ

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

32339 P RW DIS 084 TH 9-10AM B856 EQ

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

112 Psy as Natl Science

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Students are auto-enrolled in Lec 002 when they elect a Dis 002-019.

21675 P RW DIS 003 TH 8-9AM 271 WEISER

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

21676 P RW DIS 004 T 12-1PM 3460 MH

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

21677 P RW DIS 005 T 4-5PM 3096 EH

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

Psy 112 meets the Intro Psych prereq for the Psychology and BCN Majors.
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| 22518 | P RW SEM 004 | MW | 1-230PM | 3021 EH | Park |

| 122 | 19267 | PI SEM 001 | W | 230-530PM | AUD B AH | Mishkin |
| 19268 | PI SEM 002 | W | 230-530PM | 2407 MH | |

| 200 | 32127 | S DIS 012 | ARR | ARR | ARR |

| 211  | 11894 | P W SEM 001 | T | 4-6PM | 260 WEISER |

| 218 | 33282 | PI W SEM 001 | TTH | 4-530PM | 2330 MH | Mishkin |

| 220  | 32265 | A R LEC 001 | MW | 230-4PM | 1110 WEILL | Cummings |

| 223  | 32266 | P RW DIS 002 | T | 12-1PM | 1084 EH |
| 223  | 32267 | P RW DIS 003 | F | 1-2PM | 1427 MH |
| 32268 | P RW DIS 004 | F | 12-1PM | G127 AH |
| 32269 | P RW DIS 005 | F | 1-2PM | G127 AH |
| 32270 | P RW DIS 006 | F | 12-1PM | 1401 MH |
| 32271 | P RW DIS 007 | F | 1-2PM | 1401 MH |
| 32272 | P RW DIS 008 | F | 1-2PM | 3437 MH |
| 32273 | P RW DIS 009 | F | 1-2PM | 3437 MH |

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

| 223 | 32265 | A R LEC 001 | MW | 1-2PM | 140 LORCH | Fretz |

All sections meet from the 1st day of class, even if they occur before the 1st lecture.
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**UG Psych Research**

*Students are auto-enrolled in Lec 001 when they elect a Dis 002-018. Do not contact the instructor. Inquiries should be sent to psych.saa@umich.edu.*

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**Intro Behav Neurosci**

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*Students are auto-enrolled in Lec 001 when they elect a Dis 002-017. Do not contact the instructor. Inquiries should be sent to psych.saa@umich.edu.*

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**Intro to Dev Psych**

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Lecture 250-050 and Sections 051-065 are for current U of M Nursing Students ONLY. Nursing Students: Register for Dis 051-065 to be auto-enrolled in Lec 050.

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**Res Methods in Psych**

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Students are auto-enrolled in Lec 001 when they elect a Dis 002-016.

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

Research Attend 1st day of lab sections even if they occur before the first lecture.

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**Teaching&Leading**

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**Alcohol&Other Behav-Commun II**

Interested applicants should contact: Angela Galka, anti@med.umich.edu, 734-232-3352.

**Group Leading**

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Interested students need to fill out an application at http://sites.lsa.umich.edu/projectoutreach/. Send your completed application to the GSI of the Psych 211 section you're interested in. Email questions to project.outreach@umich.edu.

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Direct encouraged experience
For registration information call 734-647-7144 or email judymc@umich.edu

Practicum in Child Dev & Care
Application Due 11/17. Posted online at: https://lsa.umich.edu/psych/undergraduates/advising(peer-advising.html)

Mandatory day before classes start.

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For Psych 330-002, interested students who have previously taken Psych 240 or Psych 250 may contact psych.saa@umich.edu for an override into an open seat. Or call 734-764-2580, M-F 8am-5pm when you are able to register.

Human Cognitive Evolution

Research

Students are auto-enrolled in Lec 001 when they elect a Dis 002-004.

All sections meet from the 1st day of class, even if they occur before the 1st lecture.

Research

All sections meet from the 1st day of class, even if they occur before the 1st lecture.
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| 421    | Adv Reading Soc Sci | IND + | ARR | ARR | 1.00-4.00 | ADVISORY
| 422    | Adv Research NS | IND + | ARR | ARR | 1.00-4.00 | ADVISORY
| 423    | Adv Res Soc Sci | IND + | ARR | ARR | 3.00-4.00 | ADVISORY
| 424    | Sr Hon Res I Nat Sci | SEM 001 | F | 10-1130AM | ARR | Shah
| 426    | Sr Hon Res II Nat Sc | SEM 001 | F | 10-1130AM | 1068 EH | Shah
| 428    | Sr Thesis Res I | IND + | F | 10-1130AM | ARR | 2.00-4.00 | ADVISORY
| 429    | Sr Thesis Res II | SEM 001 | F | 10-1130AM | ARR | 2.00-4.00 | ADVISORY
| 430    | Topics in Biopsych | MW | 4-530PM | 269 WEISER | Kovelman | 3.00 | ENFORCED |
| 431    | Adv Topics Behav NS | MW | 11-2PM | B852 EQ | Carter | 3.00 | ADVISORY, ENFORCED |
| 432    | AdvTop Evol&Comp Psy | T | 2-5PM | 1512 CCL | Rosati | 3.00 | ENFORCED |
| 433    | Devel Cog Neurosci | TTH | 4-530PM | 269 WEISER | Kovelman | 3.00 | ENFORCED |
| 434    | Curr Topic Dev Psych | W | 11-2PM | B852 EQ | Carter | 3.00 | ADVISORY, ENFORCED |
| 435    | Puberty and Early Adolescence | MW | 230-4PM | 173 LORCH | Cortina | 3.00 | ENFORCED |
| 436    | Res Meth in Edu and Cross-cult | MW | 4-530PM | 1372 EH | Warneken | 3.00 | ENFORCED |
| 437    | Citizens in the Crib | MW | 1-230PM | B247 EH | Davis-Kean | 3.00 | ENFORCED |
| 438    | Intro Behav Therapy | TTH | 830-10AM | 1068 EH | Chang | 3.00 | ENFORCED |
| 439    | Sociology--Deviance | TTH | 10-1130AM | 2306 MH | McGann | 4.00 | ADVISORY |
| 440    | Recent Topics in P&S | TTH | 11-12PM | 3254 LSA | Blumenthal | 3.00 | ENFORCED |
| 441    | Curr Topics in P&SC | T | 9-12PM | 3254 EH | Blumenthal | 3.00 | ADVISORY, ENFORCED |
| 442    | Classic&Current Political Psy | W | 4-6PM | 4448 EH | Davis-Kean | 4.00 | ADVISORY, ENFORCED |
| 443    | Prof Issues Psych | SEM 001 | W | 10-12PM | ARR | Shah | 1.00 | ADVISORY |
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| 445    | Supervised Research | SEM 001 | W | 10-12PM | ARR | Earl | 3.00 | ADVISORY |
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| 452    | Supervised Research | SEM 001 | W | 10-12PM | ARR | Keating | 3.00 | ADVISORY |
| 453    | Supervised Research | SEM 001 | W | 10-12PM | ARR | Chang | 3.00 | ADVISORY |
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532 Mammal Reprod Physio | 4.00 | ADVISORY, ENFORCED |
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*Grad students from other Departments or Undergrads interested in registering for Psych 833 should contact the instructor at adae@umich.edu.*
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For more information, please refer to the U of M Schedule of Classes.
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If you would like to take this course, please enroll. The final class meeting times are scheduled in consultation with the enrolled students.
# Romance Languages Department

## Catalan (CATALAN)

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Catalan Language and Culture

## French (FRENCH)

--DROP POLICY: A student who misses either of the first two meetings of any course offered by the Department of Romance Languages may be dropped from the course for non-attendance.

--PLACEMENT TEST: Students with any previous study of French must take the French placement test before enrolling. Placement test dates are online at: www.lsa.umich.edu/rll/undergraduate/languageplacement/languageplacementtests. This does not apply to students enrolling in French graduate-level courses.

--OVERRIDE REQUEST INFORMATION: www.lsa.umich.edu/rll/langinstruct/overrides.html

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--OVERRIDE REQUEST INFORMATION: www.lsa.umich.edu/ill/langinstruct/overrides.html

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Spanish (SPANISH)

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Section 020 is reserved for CSP students. Need CSP Dept. consent to register. Inquire in 1139 Angell Hall for further information.

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Section 020 is reserved for CSP students. Need CSP Dept. consent to register. Inquire in 1139 Angell Hall for further information.
Hispanic World Through Food

- **topic section:** The Hispanic World Through Food

  - **Meeting times:**
    - MTTHF 9-10AM
    - MTTHF 10-11AM
    - MTTHF 11-12PM
    - MTTHF 12-1PM
    - 1-2PM

Spanish Culture Through Media

- **topic section:** Spanish Culture through Media

  - **Meeting times:**
    - MTTHF 10-11AM
    - MTTHF 11-12PM

Rhythms Latin Music & Culture

- **topic section:** Rhythms of Latin Music & Culture

  - **Meeting times:**
    - MTTHF 10-11AM
    - MTTHF 11-12PM
    - MTTHF 12-1PM
    - 1-2PM

Linguistic and Cultural Voyage

- **topic section:** A Linguistic and Cultural Voyage through the Hispanic World

  - **Meeting times:**
    - MTTHF 12-1PM
    - MTTHF 1-2PM
    - MTTHF 2-3PM

Museo de la Region Andina

- **topic section:** Museo de la Region Andina

  - **Meeting times:**
    - MTTHF 1-2PM
    - MTTHF 2-3PM

Conozcamos Argentina!

- **topic section:** ¡Conozcamos Argentina! An imaginary trip through literature

  - **Meeting times:**
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    - MTTHF 2-3PM
    - MTTHF 3-4PM

- **ANOTHER OFFICIAL COURSE**

  - **Meeting times:**
    - MTTHF 1-2PM

Rdg. Grammar, & Comp

- **topic section:** Identidades de migracion

  - **Meeting times:**
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    - 10-11AM

- **ANOTHER OFFICIAL COURSE**

  - **Meeting times:**
    - MTTHF 12-1PM

- **ANOTHER OFFICIAL COURSE**

  - **Meeting times:**
    - MTTHF 3-4PM

Conv Sp/LAm Film

- **Meeting times:**
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  - MTTHF 3-4PM

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Writing 100 is designed to help students of all levels improve their writing, but is best suited to those who have yet to fulfill the First-Year Writing Requirement. Upper-level students should have a compelling academic reason for enrolling in Writing 100. 

Normal waitlist procedures apply for students who attend the first two class sessions. Students who wish to join Writing 100 after the first two class sessions must email the instructor to set up a meeting to discuss enrolling. Based on this discussion, the student and instructor will then make a determination on whether or not it is appropriate for the student to enroll.

Class meets 03/05 to 04/16.

Final exam is 04/16 11:30-1 PM in class.

The Rhetoric of Online Dating
This class meets 01/05 to 02/16.

The Rhetoric of Blogging
This class meets 03/09 to 04/13.

Coaching Science Writing
Class meets 01/08 to 03/05. No class 01/15 or 02/26.

Special offering for chemistry grad students.

Special class begins on January 9th.

This class begins on January 10th.
### SRC-PSM Graduate Program

**Survey Methodology (SURVMETH)**

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Methods of Survey Sampling
Department consent required. Please contact the Program in Survey Methodology (michpsm.isr@umich.edu)

| 630  | **Quest Design & Eval**     | 3.00| ADVISORY |         |
| 17749| PDR SEM 001 T 1-310PM ARR Yan | | | |

Department consent required. Please contact the Program in Survey Methodology (michpsm.isr@umich.edu)

| 670  | **Design Seminar I**        | 3.00| ADVISORY |         |
| 26139| PD SEM 101 T 10-1230PM ARR Lepkowski, Traugott | | | |

Department consent required. Please contact the Program in Survey Methodology (michpsm.isr@umich.edu)

| 672  | **Data Collect:Practic**    | 2.00| ADVISORY |         |
| 28564| PD SEM 002 ARR ARR | | | |

| 686  | **Stat Modeling II**        | 3.00| ADVISORY |         |
| 18533| PD LEC 001 T 5-730PM ARR Lewis | | | |

Department consent required. Please contact the Program in Survey Methodology (michpsm.isr@umich.edu)

| 699  | **Directed Research**       | 1.00-3.00| ADVISORY |         |
| 721  | **Tot Surv Err Qual II**    | 2.00| ADVISORY |         |
| 18092| PDR SEM 001 TH 9-1130AM G300 PERRY Lee | | | |

Department consent required. Please contact the Program in Survey Methodology (michpsm.isr@umich.edu)

| 742  | **Inference Cmplx Samp**    | 3.00| ADVISORY |         |
| 17245| PDR SEM 001 T 1-230PM G300 PERRY Fay III | | | |

Department consent required. Please contact the Program in Survey Methodology (michpsm.isr@umich.edu)

| 744  | **Topics Surv Methods**     | 3.00| ADVISORY |         |
| 17246| PDR LEC 001 TH 2-3PM ARR Li | | | |

Department consent required. Please contact the Program in Survey Methodology (michpsm.isr@umich.edu)

| 760  | **Survey Management**       | 3.00| ADVISORY |         |
| 17247| PDR SEM 001 M 130-4PM ARR Mneimneh | | | |

Department consent required. Please contact the Program in Survey Methodology (michpsm.isr@umich.edu)

| 891  | **Doctoral Seminar II**     | 3.00| ADVISORY |         |
| 17248| PDR SEM 001 M 1-330PM ARR Wagner, Presser | | | |

Survey Methodology Doctoral Students Only.

| 899  | **Directed Research**       | 1.00-3.00| ADVISORY |         |

| 990  | **Diss-Precand**            | 1.00-8.00| ADVISORY |         |
| 995  | **Diss-Cand**               | 8.00| ENFORCED |         |

Graduate standing and permission of instructor. Contact Jill Esau at 647-4620.
## Screen Arts and Cultures

### Screen Arts and Cultures (SAC)

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Slavic Languages & Lit Dept

Bosnian/Croatian/Serbian (BCS)

132 First-Year BCS II
24101 P RW REC 001 MTWTH 12-1PM 3304 MLB Rosic
4.00 ADVISORY

232 Second-Year BCS II
25958 P RW REC 001 MTWTH 1-2PM 3304 MLB Rosic
4.00 ENFORCED

439 Dir Read of BCS
I IND + ARR ARR
1.00-4.00

532 First-Year BCS II
24715 P RW REC 001 MTWTH 12-1PM 3304 MLB Rosic
4.00 ENFORCED

534 Second-Year BCS II
25959 P RW REC 001 MTWTH 1-2PM 3304 MLB Rosic
4.00 ENFORCED

654 Superv Read Lit
I IND + ARR ARR
1.00-4.00 ADVISORY

Czech (CZECH)

142 First Year Czech
24134 P RW REC 001 MTWTH 11-12PM 3304 MLB Pasek
4.00 ENFORCED

242 Second Year Czech
31657 P W REC 001 MTWTH 11-12PM 3304 MLB Pasek
4.00 ADVISORY

315 Czech Cinema
31655 P W REC 002 TTH 230-4PM G115 AH Eagle
3.00

480 Superv Czech Read
I IND + P RW REC 001
ARR ARR
1.00-4.00

542 First-Year Czech II
24135 P RW REC 001 MTWTH 11-12PM 3304 MLB Pasek
4.00 ENFORCED

544 Second-Year Czech II
31653 P RW REC 001 MTWTH 11-12PM 3304 MLB Pasek
4.00 ENFORCED

Polish (POLISH)

122 1st Yr Polish
11859 P W REC 001 MTWTH 10-11AM 2112 MLB Pasek
4.00 ADVISORY

222 2nd Yr Polish
31663 P W REC 001 MTWTH 1-2PM 3359 MH Westwalewicz
4.00 ADVISORY

322 Third Year Polish
11860 P W REC 001 ARR ARR
3.00 ADVISORY Westwalewicz

Polish your America! Trolls
326 Pol Lit in English
11859 P W REC 001 MW 1130-1PM 2230 STB Greig
3.00

331 Poland in Mod World
30643 P W REC 005 W 2-3PM B312B DENT
3.00

30644 P W REC 006 W 3-4PM B116 MLB

422 4th-Year Polish II
16799 P W REC 001 ARR ARR
3.00 ADVISORY Westwalewicz

Holy Business
450 Directed Reading
I IND + ARR ARR
1.00-4.00 ADVISORY

492 Senior Honors
I IND + ARR ARR
3.00 ADVISORY

526 20th Cent Polish Lit
28172 P W REC 001 MW 1130-1PM 2230 STB Greig
3.00 ADVISORY

562 First-Year Polish II
21781 P RW REC 001 MTWTH 10-11AM 2112 MLB Pasek
4.00 ENFORCED

564 Second-Yr Polish II
31664 P RW REC 001 MTWTH 1-2PM 3359 MH Westwalewicz
4.00 ENFORCED

566 Third-Year Polish II
21782 P RW REC 001 ARR ARR
3.00 ENFORCED Westwalewicz

568 Fourth-Yr Polish II
21784 P RW REC 001 ARR ARR
3.00 ENFORCED Westwalewicz

622 Direct Read Pol Lit
I IND + ARR ARR
1.00-4.00 ADVISORY

Russian (RUSSIAN)

---ALL NON-LANGUAGE COURSES TAUGHT IN ENGLISH, EXCEPT WHERE NOTED.

102 First Year
17452 P RW REC 001 MTWTHF 10-11AM 2135 NQ Marciniak
5.00 ENFORCED

11951 P RW REC 002 MTWTHF 12-1PM 2106 MLB Fort

202 Second Year
25967 P RW REC 001 MTWTHF 10-11AM 1155 NQ Bondarenko
5.00 ENFORCED
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**Slavic (SLAVIC)**

**Meet 1st 7 wks:** 1/9, 1/16, 1/23, 1/30, 2/6, 2/13, 2/20, 36160 P W LEC 002 W 4-6PM ARR Toman

**Jewish Prague**

**Meet 2nd 7 wks:** 3/6, 3/13, 3/20, 3/27, 4/3, 4/10, 4/17, 23886 P W LEC 003 T 2-4PM 1640 CHEM Westwalewicz

**Revolution in the Attic**

**Meet 2nd 7 wks:** 3/6, 3/13, 3/20, 3/27, 4/3, 4/10, 4/17, 33298 P W LEC 004 T 3-5PM R1240 BUS Makin
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Sociology Department

Sociology (SOC)

--IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS MAY BE
REGISTERED OFFICIALLY FOR A COURSE, THE DEPARTMENT MAY GIVE AWAY PLACES IN A COURSE IF STUDENTS DO NOT ATTEND THE
FIRST TWO COURSE MEETINGS.

--TO ASSIST THE STUDENT IN SELECTING COURSES, PAST COURSE SYLLABI ARE AVAILABLE AT:  www.lsa.umich.edu/soc/syllabi.

100 Intro to Sociology  4.00  ADVISORY, ENFORCED
Section 002-013 are automatically enrolled in lecture section 001
11967 A R LEC 001  TTH 1-230PM AUD 4 MLB  McGinn
11968 P R DIS 002  TH 3-4PM 3242 LSA
Section 002-013 are automatically enrolled in lecture section 001
20758 P R DIS 003  TH 4-5PM 3242 LSA
Section 002-013 are automatically enrolled in lecture section 001
11969 P R DIS 004  TH 5-6PM 3242 LSA
Section 002-013 are automatically enrolled in lecture section 001
11970 P R DIS 005  F 9-10AM 2163 AH
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11971 P R DIS 006  F 10-11AM 3333 MH
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20332 P R DIS 007  F 12-1PM 5521 HH
Section 002-013 are automatically enrolled in lecture section 001
23786 P R DIS 009  F 1-2PM 5180B AH
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25724 P R DIS 010  F 10-11AM 2336 MH
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25725 P R DIS 011  F 11-12PM 1359 MH
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25728 P R DIS 012  F 12-1PM G168 AH
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31589 P R DIS 013  F 1-2PM 2024 TISCH
Section 002-013 are automatically enrolled in lecture section 001
17263 A RW LEC 001  TTH 1130-1PM AUD C AH  Ybarra
Understanding 2016 Election
STUDENTS ARE AUTO-ENROLLED IN LEC 001 WHEN THEY ELECT ONE DIS 002-004.
31590 P R DIS 021  TH 3-4PM 3040 CCRB
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25730 P R DIS 022  TH 4-5PM 1024 DANA
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17264 P R DIS 023  TH 5-6PM 2436 MH
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21494 P R DIS 026  F 11-12PM 1436 MH
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36112 P R DIS 031  TH 3-4PM ARR
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30902 A R LEC 020  MW 830-10AM 1040 DANA  Sfeir-Younis
Soc Inclusion in Contemp Wld
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31596 P R DIS 023  F 10-11AM G040 TISCH
STUDENTS ARE AUTO-ENROLLED IN LEC 001 WHEN THEY ELECT ONE DIS 002-004.
31598 P R DIS 025  F 12-1PM 3401 MH
Note: Interested students must fill out an online request at www.igr.umich.edu. Due to high demand, students who do
not attend the mass meeting on the first day of class will be dropped from the course. If you have questions,
please contact Ant/Shay Thurman (phone: 936-1875; e-mail: antistay@umich.edu).
31597 P R DIS 024  F 11-12PM 3401 MH
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32128 S DIS 012  ARR AR

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Statistics Department

Statistics (STATS)

---IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS MAY BE REGISTERED OFFICIALLY FOR A COURSE, THE DEPARTMENT MAY GIVE AWAY PLACES IN A COURSE IF STUDENTS DO NOT ATTEND THE FIRST TWO COURSE MEETINGS.

---ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION SYSTEM TO MAKE SURE THAT THEIR OFFICIAL SCHEDULE OF COURSES MATCHES THE COURSES THEY ARE ATTENDING.

150 Making Sense of Data 3.00
31225 P W LEC 001 TTH 830-10AM 1324 EH Miller
12015 S LEC 001 TTH 1130-1PM AUD 3 MLB Gunderson
When selecting a lab section please note there are 68 lab sections which number to section 074.

Please contact stats-permissions@umich.edu with questions.

Exam 1: Thu, Feb 15, 6-7:30 pm
Exam 2: Thu, Mar 29, 6-7:30 pm
Final: Thu, Apr 19, 7-9 pm

12016 S LEC 002 TTH 830-10AM AUD 3 MLB Gunderson
When selecting a lab section please note there are 68 lab sections which number to section 074.

Please contact stats-permissions@umich.edu with questions.

Exam 1: Thu, Feb 15, 6-7:30 pm
Exam 2: Thu, Mar 29, 6-7:30 pm
Final: Thu, Apr 19, 7:30-9:30 pm

12017 S LEC 003 MWF 10-11AM AUD 3 MLB Romero
When selecting a lab section please note there are 68 lab sections which number to section 074.

Please contact stats-permissions@umich.edu with questions.

Exam 1: Thu, Feb 15, 6-7:30 pm
Exam 2: Thu, Mar 29, 6-7:30 pm
Final: Thu, Apr 19, 7:30-9:30 pm

12018 S LEC 004 TTH 10-1130AM AUD 4 MLB Fink
When selecting a lab section please note there are 68 lab sections which number to section 074.

Please contact stats-permissions@umich.edu with questions.

Exam 1: Thu, Feb 15, 6-7:30 pm
Exam 2: Thu, Mar 29, 6-7:30 pm
Final: Thu, Apr 19, 7:30-9:30 pm

12019 S LEC 006 MWF 12-1PM AUD 3 MLB Romero
When selecting a lab section please note there are 68 lab sections which number to section 074.

Please contact stats-permissions@umich.edu with questions.

Exam 1: Thu, Feb 15, 6-7:30 pm
Exam 2: Thu, Mar 29, 6-7:30 pm
Final: Thu, Apr 19, 7:30-9:30 pm

12020 P W LAB 007 M 830-10AM 2244 USB

You MUST bring your own laptop to this lab section. Please contact stats-permissions@umich.edu if you have any questions.

12021 P W LAB 008 M 830-10AM G444C MH
12022 P RW LAB 009 M 1-3PM G444A MH Romero
This lab is a CSP lab. CSP sections are scheduled for more hours per week than a routine section of the same course. Some of that time is devoted to workshop activities, e.g., problem solving, practice tests, review of assignments and instruction in learning skills. There is also provision for more individual instruction in the form of additional conferences, appointments with a Course Assistant, etc.
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You MUST bring your own laptop to this lab section. Please contact stats-permissions@umich.edu if you have any questions.

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280 Honors Intro Stats 4.00 ADVISORY

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299 Undergrad Internship 1.00

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401 Appl Stat Meth II 4.00 ADVISORY

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<tr>
<th>STAT5 401 LABS DO NOT MEET UNTIL AFTER THE FIRST LECTURE MEETS.</th>
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<tr>
<td>FINAL EXAM: TUESDAY, 4/28/14 7:00-9:00PM.</td>
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<tr>
<td>12056 S LEC 001 MW 1-230PM 1360 EH</td>
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<td>22160 P RW LAB 003 TH 7-830PM B760 EH</td>
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<td>22911 P RW DIS 004 TH 11-130PM B760 EH</td>
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<td>12057 P RW LAB 005 F 1-230PM B760 EH</td>
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<td><strong>406 Computational Method</strong></td>
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<td>31232 P RW LEC 001 MW 10-1130AM 1068 EH</td>
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<td><strong>408 Stat Prin Prob Solving</strong></td>
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<td>31234 A LEC 001 MW 1130-1PM 1400 CHEM</td>
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<td>31236 P RW DIS 003 TH 10-1130AM B760 EH</td>
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<td>31238 P RW DIS 004 TH 11-130PM B760 EH</td>
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<td>12058 P RW LEC 001 MW 830-10AM 1324 EH Miller</td>
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<td>12061 P W LEC 003 TTH 10-1130AM 1372 EH Green</td>
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<td>12062 P W LEC 005 MW 230-4PM 1401 MH Fink</td>
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<td>12060 P W LAB 006 TTH 230-4PM 1372 EH Rosen</td>
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Women’s Studies Department

Women’s Studies (WOMENSTD)

A student who misses either of the first two meetings of any course offered by the Women’s Studies Department may be dropped from the course for non-attendance.

150  Sem Women&Gender  3.00  ADVISORY  30.00
28558  P  RW SEM 001  MW  230-4PM  G437 MH  Lawsin
20thC Writing by Women of Color
25904  P  RW SEM 002  TTH  230-4PM  3427 MH  Miles
Images of African Amer Women
Meets with AMCULT 103.003
36014  P  RW SEM 004  MW  230-4PM  ARR  Miles
Histories of Native Amer Women

151  Sem Women&Gender  3.00  ADVISORY
30782  P  RW SEM 001  MW  1-230PM  G437 MH  Lawsin
Food&Gend in Asian Amer Comm

213  Top Gender Hums  3.00-4.00
36305  A  LEC 001  MW  10-1130AM  ARR  Leon
36307  P  W DIS 002  W  1-2PM  ARR  Leon
36308  P  W DIS 004  TH  10-11AM  ARR  Leon
36357  P  W LEC 005  TTH  4-530PM  ARR  Aciqkgoz

220  Women’s Hlth  3.00

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

12125  A  LEC 001  W  530-730PM  AUD 3 MLB  Roosevelt
12126  P  W DIS 002  TH  12-1PM  B760 SSWB  Lindemer
12127  P  W DIS 003  F  12-1PM  1507 CCL  Dutcher
12128  P  W DIS 004  TH  2-3PM  3752 SSWB  Higgins
12129  P  W DIS 005  TH  1-2PM  B770 SSWB  Lindemer
12130  P  W DIS 006  TH  4-5PM  1185 NO  Fiic
12131  P  W DIS 007  TH  3-4PM  3752 SSWB  Higgins
12132  P  W DIS 008  F  10-11AM  4151 USB  Chadwick
12133  P  W DIS 009  F  11-12PM  1507 CCL  Dutcher
12134  P  W DIS 010  W  730-830PM  B115A MLB  Dutcher
12135  P  W DIS 011  TH  5-6PM  B124 MLB  Fiic
12136  P  W DIS 012  W  730-830PM  B124 MLB  Higgins
12137  P  W DIS 013  TH  5-6PM  2212 MLB  Chadwick
20843  P  W DIS 014  F  11-12PM  4151 USB  Chadwick
20844  P  W DIS 015  TH  9-10AM  2011 MLB  Lindemer
20845  P  W DIS 016  TH  6-7PM  B115A MLB  Fiic

235  Harems to Terrorists  4.00
30681  S  W LEC 001  MW  4-530PM  G115 AH  Alsultany
30683  S  W Lab 002  M  6-9PM  3463 MH  Alsultany
30685  P  W DIS 003  T  11-12PM  1448 MH  Elhadi
30687  P  W DIS 004  W  11-12PM  2202 MLB  Elhadi

240  Intro Women Study  4.00
STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

12138  A  LEC 001  MW  2-3PM  140 LORCH  Purkiss
12139  P  W DIS 002  F  9-11AM  B109 MLB  Osgood
26146  P  W DIS 003  W  5-7PM  B111 MLB  Nagy
12140  P  W DIS 004  TH  2-4PM  49 UMMA  Nagy
12141  P  W DIS 005  TH  6-8PM  B113 MLB  Kudryashov
12142  P  W DIS 006  TH  10-12PM  1185 NO  Saha
12143  P  W DIS 007  TH  4-6PM  2202 MLB  Osgood
12144  P  W DIS 008  TH  8-10AM  B111 MLB  Ridley
12145  P  W DIS 009  W  6-8PM  B113 MLB  Kudryashov
26147  P  W DIS 010  TH  4-6PM  2402 MLB  Saha
12146  P  W DIS 011  F  10-12PM  2022 STB  Ridley
31191  P  RW DIS 012  W  4-6PM  B120 MLB  Purkiss

243  Latinas in U S  3.00
30704  P  W LEC 001  TTH  10-1130AM  2437 MH  Calvo-Quiros

Latina Women in the US

245  Intro LGBTQ Studies  4.00
31288  A  W LEC 001  MW  3-4PM  3463 MH  Hubs
31289  P  W DIS 002  W  4-6PM  B115A MLB  Ponzo
31290  P  W DIS 003  TH  4-6PM  B115A MLB  Ponzo

250  Race Gender & Nation  3.00
27924  P  W LEC 001  MW  1-230PM  2047 RUTHVEN  Fernandes

270  Gender & the Law  4.00
25685  A  LEC 001  TTH  4-5PM  2260 USB  Alexy
25680  P  W DIS 002  M  3-5PM  B116 MLB  Larance
25681  P  W DIS 003  M  5-7PM  B134 MLB  Frederick
25682  P  W DIS 004  F  10-12PM  1105 NO  Frederick
25693  W  DIS 005  F  12-2PM  1105 NO  Larance

291  Psych Women&Gender  4.00  ENFORCED
24330  A  R LEC 001  230-4PM  AUD B AH  McClelland

If you've taken Psych 112 or WS 220 and need an override into an open seat, contact the Psych SAA Office at 734-764-2580. Be prepared to use your override and register at the time you call (have computer with you). Open
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This course is open primarily to first- and second-year Women's Studies doctoral students, by permission of the department. Other Women's Studies PhD students may enroll, with permission of the department.

- Theory Feminism
- Independent Study
- Disability Studies
- Directed Readings
- Special Seminar
- Women of Color
- Reading Gender Hist
- Intersectionality
- Black Gender Studies
- Works by Women of Color

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**Division of Anatomical Science**

**Anatomy (ANATOMY)**

**Medicine**
Anesthesiology Department

Anesthesia (ANESTH)

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### Bioinformatics

**Bioinformatics (BIOINF)**

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This class meets in Rm. 2062 Palmer Commons Bldg.

If questions, contact the instructor.

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Intr Prg&Explor Data Analysis

Students must provide their own laptop for class.

**Intro Sig Proc**

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lab meets bi-weekly beginning 2nd week of term.

**Intro to Statistics**

Students must provide their own laptop for class.

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Students must provide their own laptop for class.

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lab meets bi-weekly beginning 2nd week of term.

**Intro Sig Proc**

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NOTE: attendance at review sessions mandatory. Review sessions are ~ every 3 weeks. Wednesdays, 1:00 - 2:30 p.m.

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Attendance at review sessions is mandatory. Sessions occur ~ 3 weeks. Wednesdays, 1:00 p.m. - 2:30 p.m.

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This course section is reserved for students in the Executive Masters program

**Bioinf Journal Club**

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**Biological Chemistry (BIOCHEM)**

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**Course Descriptions**

- **Intro Biochem**: Taught by Trievel and Schauerte.
- **Adv Biochem I**: Taught by Smith, Walter, and Schauerte.
- **Adv Biochem II**: Taught by Ninfa, Kroner, and Ninfa.

**Contact Information**

Contact ChemicalBiology@umich.edu for registration inquiries.

Section 002 is for Cancer Chemical Biology MS students. Section 001 is for Chemical Biology PhD students.

**Course Locations**

- Class held in 4560C MSRBII
- Section 002 is for Cancer Chemical Biology MS students.
- Section 001 is for Chemical Biology PhD students.

**Additional Information**

- This course meets for the first half of the term: 1/4/17-2/20/17.
- Class is held in 4560C MSRBII.
### Program in Biomedical Sciences

#### Biomedical Sciences (PIBS)

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This course is for first year PIBS students only. Class will be held North Lecture Hall, Med Sci II.
## Cancer Biology Graduate Program

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This course meets on the first and third Wednesday of the month in BSRB 2515.

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Human Genetics Department

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MUST BE A PIBS, CMB, OR GENETICS TRAINING GRANT STUDENT TO REGISTER!

Winter 2015: “Manipulating Genomes: Applications for Basic Science and Disease”

# Int Med-General Medicine

## Health and Health Care Research (HHCR)

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# Department of Learning Health Sciences

## Learning Health Sciences (LHS)

### 611 Knowl Repress&Mgt Hlt
- **Class #**: 28358
- **Code**: P
- **CMP**: LEC 001
- **SEC**: W
- **Days**: 1-4PM
- **Location**: ARR
- **Instructor**: Landis-Lewis, Flynn
- **Credits**: 3.00
- **Advisory**: 3.00
- **Note**: This class will meet in room 6380 THSL (Taubman Health Sciences Library).

### 621 Imp Sci I
- **Class #**: 26291
- **Code**: P
- **CMP**: SEM 001
- **SEC**: M
- **Days**: 9-12PM
- **Location**: 6215 THSL
- **Instructor**: Sales, Piatt
- **Credits**: 3.00
- **Advisory**: 3.00
- **Note**: This class will meet in room 5370 THSL (Taubman Health Sciences Library).

### 671 Policy&Ethics LHS
- **Class #**: 30426
- **Code**: P R
- **CMP**: SEM 1
- **SEC**: W
- **Days**: 9-12PM
- **Location**: ARR
- **Instructor**: De Vries
- **Credits**: 3.00
- **Enforced**: 3.00
- **Note**: This class will meet in room 5370 THSL (Taubman Health Sciences Library).

### 712 NLP on Health Data
- **Class #**: 28843
- **Code**: P RW
- **CMP**: LEC 001
- **SEC**: M
- **Days**: 1-4PM
- **Location**: ARR
- **Instructor**: Vydiswaran
- **Credits**: 3.00
- **Enforced**: 3.00
- **Note**: This class will meet in room 5000 THSL (Taubman Health Sciences Library).

### 750 Hlth Inf Sem 2
- **Class #**: 35312
- **Code**: P R
- **CMP**: SEM 001
- **SEC**: M
- **Days**: 1-3PM
- **Location**: ARR
- **Instructor**: Platt
- **Credits**: 2.00
- **Enforced**: 2.00
- **Note**: This class will meet in room 5370 THSL (Taubman Health Sciences Library).

### 791 Independent Study
- **Class #**: I
- **Code**: IND +
- **SEC**: ARR
- **Credits**: 1.00-3.00
- **Enforced**: 1.00-3.00
- **Note**: This class will meet in room 5370 THSL (Taubman Health Sciences Library).

## Medical Education (MEDEdUC)

### 499 UG Med Educ Res
- **Class #**: 1
- **Code**: IND +
- **SEC**: ARR
- **Credits**: 1.00-16.00
- **Enforced**: 1.00-16.00

### 599 Med Educ Research
- **Class #**: 2
- **Code**: IND +
- **SEC**: ARR
- **Credits**: 2.00-8.00
- **Enforced**: 2.00-8.00

### 650 MHPE Ed Prof Act. 1
- **Class #**: 3
- **Code**: R IND +
- **SEC**: ARR
- **Credits**: 6.00
- **Enforced**: 6.00

### 655 MHPE Ed Prof Act. 2
- **Class #**: 4
- **Code**: R IND +
- **SEC**: ARR
- **Credits**: 6.00
- **Enforced**: 6.00

### 660 MHPE Ed Prof Act. 3
- **Class #**: 5
- **Code**: R IND +
- **SEC**: ARR
- **Credits**: 6.00
- **Enforced**: 6.00

### 665 MHPE Ed Prof Act. 4
- **Class #**: 6
- **Code**: R IND +
- **SEC**: ARR
- **Credits**: 6.00
- **Enforced**: 6.00

### 670 MHPE Ed Prof Act. 5
- **Class #**: 7
- **Code**: R IND +
- **SEC**: ARR
- **Credits**: 6.00
- **Enforced**: 6.00

### 675 MHPE Ed Prof Act. 6
- **Class #**: 8
- **Code**: R IND +
- **SEC**: ARR
- **Credits**: 6.00
- **Enforced**: 6.00

### 695 MHPE Capstone
- **Class #**: R IND +
- **SEC**: ARR
- **Credits**: 1.00-9.00
- **Enforced**: 1.00-9.00

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Medical School

Family Medicine (FAMMED)

499 Ug Fam Med Res

1 IND + ARR ARR
### Medical School Administration

**Immunology (IMMUNO)**

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Medical School

Inteflex Medical School (INFLXMED)

Course Title: Clinical Studies

Class # 401

Course Code: 12187

CR: 3.00

Days: F

Time: 9-12PM

Location: ARR

Instructor: Stanley
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# Microbiology And Immunology

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Meet in Furstenberg Student Study Center Labs.
Near Taubman Medical Library and Medical Science II- 2nd floor.

Graduate students must register for MICRBIOL 540 to receive graduate-level credit.

Graduate students must register for MICRBIOL 540 to receive graduate-level credit.

This course is replacing Micrbiol 301.

Micro 405 may not be taken for credit if Micro 301 was already taken for credit.

This course is replacing Micrbiol 301.

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# Neurology Department

## Neurology (NEUROL)

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Center For Neuroscience

Neuroscience (NEUROSCI)

470 Human Neuroanatomy 4.00 ADVISORY, ENFORCED
   25847 P RW LEC 001 T 230-4PM 4130 USB Thompson
   470 Human Neuroanatomy 4.00 ADVISORY, ENFORCED
   25847 P RW LEC 001 TH 230-5PM 4130 USB

Please note that if you have not met the required or advisory prerequisite for this course you may still be able to register, please email the course director for an override.

Human Neuroanatomy --- This course focuses on key structural aspects of the human brain with an emphasis on function. We will make heavy use of clinical case studies largely in small working groups to uncover how and why symptoms linked to neurological disorders exist. For these case studies, 3-dimensional visualization tools and hands-on examination and limited dissections of human brains will be used to highlight the elegant anatomical relationships of sensory, motor, emotional, and cognitive systems.

602 Princ Neurosc II 3.00 ADVISORY
   12205 PD SEM 001 TTH 10-12PM 4151 USB Seasholtz
   602 Princ Neurosc II 3.00 ADVISORY
   12205 P SEM 001 M 10-12PM 4130 USB

January 5 to Feb 7 for Sensory 614
February 9 to March 16 for Behavioral and Cognitive Neuroscience 615
March 20 to April 18 for Neuropathology

614 Sensory&Systems NS 1.00 ADVISORY
   12206 PD SEM 001 ARR ARR Shore, Seasholtz

615 Cog & Behav Neurosci 1.00 ADVISORY
   12207 PI SEM 001 ARR ARR Flagel, Seasholtz

616 Translational NS 1.00 ADVISORY
   12208 PI SEM 001 ARR ARR Chang, Seasholtz

This class meets together with Neurosci 602

700 Neurosci Sem 1.00-3.00 ADVISORY
   20047 PI SEM 001 M 4-6PM 1230 USB Stuenkel
   26602 P SEM 168 ARR ARR

701 Special Topics 1.00-3.00
   19692 P SEM 094 ARR ARR

702 Readings:Sensory 1.00-3.00 ADVISORY
   12209 PI SEM 001 ARR ARR
   17533 P SEM 017 ARR ARR

703 Readings:Dev& DEVELOPMENTAL 1.00-3.00 ADVISORY
   18696 PI SEM 001 ARR ARR

704 Readings:Integrative 1.00 ADVISORY
   20444 PI SEM 112 T 4-5PM ARR Giger, Ye

Methods in Behavioral Neurophy

705 Readings:Cell&molec 1.00-3.00 ADVISORY
   12210 PI SEM 001 ARR ARR

800 Neurosci Res Method 1.00-9.00 ADVISORY
   D IND + ARR ARR

801 Neurosci Res Method 1.00-9.00 ADVISORY
   D IND + ARR ARR

990 Diss-Precand 1.00-8.00 ADVISORY
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995 Diss-Cand 8.00 ENFORCED
   IR IND + ARR ARR
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### Pathology Department

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For permission to register please e-mail the instructor at davidlom@umich.edu with your previous relevant coursework.
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Pediatrics & Comm Diseases Dep

**Pediatrics (PEDIAT)**

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# Pharmacology Department

**Pharmacology (PHRMACOL)**

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This class will meet in 3813/17 Med Sci II.

Section 002 is for Cancer Chemical Biology MS students. Section 001 is for Chemical Biology PhD students.

Contact ChemicalBiology@umich.edu for registration inquiries.

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This course is limited to students appointed to the PSTP training grant. This course meets at 5:00pm on January 10, February 14, March 14, and April 11 in 1301 MSRB III.

**Section 002 is for Cancer Chemical Biology MS students. Section 001 is for Chemical Biology PhD students.**

Contact ChemicalBiology@umich.edu for registration inquiries.

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This class will meet in 2817 Med Sci II, except 1/18, 1/30 and 2/1 which will meet in 6000 THSL.

**Section 002 is for Cancer Chemical Biology MS students. Section 001 is for Chemical Biology PhD students.**

Contact ChemicalBiology@umich.edu for registration inquiries.

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This class will meet in 2903 THSL except 1/17 which will be in 2813/17 Med Sci II. Quiz at 9:15 am each day from January 10th onwards.

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This class will meet in 2903 THSL.

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This class will meet in 2901 THSL.

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For Pharmacology Graduate Students only. This class will meet in 2901 THSL.

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This section is for only first-year PIBS students with an interest in Pharmacology.

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Contact ChemicalBiology@umich.edu for registration inquiries.
### Physical Medicine & Rehab Dept

**Physical Medicine & Rehabilitation (PMR)**

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*Please note - this class will need a minimum of 10 students to run. Time will be mutually arranged with instructor. Please email mouli@umich.edu with your interest in the course.*
Physiology Department

Physiology (PHYSIOL)

Physiology (PHYSIOL)

**Human Physiol 201**

**PHYSIOL 201 Human Physiol** 4.00 ADVISORY

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**Problems 306**

**Problems** 1.00-4.00 ADVISORY

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**I IND +**

**Research Problems 405**

**Research Problems** 1.00-4.00

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**Methods in Biology 415**

**Methods in Biology** 1.00-2.00

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**Systems & Integrative 510**

**Systems & Integrative** 4.50 ADVISORY

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Post-Grad Baccalaureate Premedical Program (MEDPREP)

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### Surgery Department

#### Surgery (SURGERY)

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Music, Theatre & Dance

--Performance Instruction in the School of Music (Individual Studio Assignment in Music Performance): All students requesting performance instruction must apply online at www.music.umich.edu, click on the "students" tab and then click on the "online individual studio assignment in music performance" form. Do not register until you have received an email verifying placement in a studio.

Department Of Dance

Dance (DANCE)

100 Intro to Dance

Taught by dance students enrolled in DANCE 482.

Modern

W  LAB 001 MW 9-10AM DANCE STUDIO A Beck

W  LAB 002 MW 9-10AM DANCE STUDIO B Foust

W  LAB 003 MW 9-10AM DANCE STUDIO D Evangelista

W  LAB 004 MW 10-1130AM DANCE STUDIO D Torijano

Modern Dance with Latino Influ

Bienvenidos! (Welcome)! Start your week on Monday (and Wednesday) at 10:10 dancing to the sounds of Latin American music such as Mambo, Merengue, Bolero, and Salsa; mixed with contemporary dance styles. Learn about the origins of these rich musical styles, broaden your knowledge and find new ways to identify with Central and South American music, poetry, literature and the visual arts.

1092 P LAB 005 MW 11-12PM DANCE STUDIO A Evangelista

1093 P LAB 006 MW 4-5PM DANCE STUDIO B Schiff

Modern

In this class, students will begin with warm-up choreographies rooted in somatic techniques that support increased flexibility, strengthening, injury prevention, and efficient movement patterns. These will lead into standing exercises, movement that flies across the floor, and choreographed combinations that explore rhythm, spatial awareness, and musicality. Students will also explore their unique improvisational voices and choreograph their own dances for their final project. Students will attend a live dance concert and write a reflection paper as well as complete a few short assignments on dance history.

1094 P LAB 007 MW 5-6PM DANCE STUDIO A Schiff

Brazilian Zouk

Brazilian Zouk is a beautiful and fun partnered social dance originally based on Lambada and adapted to fit the Caribbean Zouk rhythm. Since the 1990s, it has drawn on other Brazilian social dance forms (Samba de Gafieira, Forro), concert dance traditions (Ballet, Jazz, Hip Hop) and other elements and tools it picked up as it became a global phenomenon with local communities and international festivals all over the world. It is most identifiable by its luxurious and sometimes dramatic head movements, flowing footwork, and prioritization of connection and community both on the dance floor and off. In this class, we will learn the fundamental movements of both Traditional/Rio Style Zouk and Zouk-Lambada, head movement, dance floor etiquette, development of personal style, history and Brazilian culture, as well as a fun choreographed routine introducing students to advanced movements. Students will be required to attend at least one local community event (free and open to the public) and write a reflection paper in addition to attending Dance Department classes to gain field experience. At the end of the term, students will have all the tools they need to attend a Brazilian Zouk social dance party anywhere in the world.

1095 P LAB 008 MW 5-6PM DANCE STUDIO B Hirina

1096 P LAB 009 MW 6-7PM DANCE STUDIO A Hirina

Ballet

Yoga

Yoga class is a sequence of asanas (postures) performed in a flow. Though we will be moving through postures, there will also be time for detailed alignment instructions. This information will be helpful in your future yoga practice at yoga studios. This class offers both a sense of physical challenge, but also restorative effect allowing the body to open and soften while the mind gets a chance to escape the stress of school requirements. The yoga space offers you the chance to focus on yourself for 50 minutes, tuning into your emotional, physical, and mental states, while learning tools to find relief from daily stressors. Though the main portion of the class is a physical experience, it is also a practice that unites one’s body, mind and spirit by quieting the mind and creating a sense of peace through physical movement. The class will always end with a short meditation. Due to its experiential form, regular attendance is required.

1097 P LAB 010 TTH 9-10AM DANCE STUDIO A Bascom

1098 P LAB 011 TTH 9-10AM DANCE STUDIO B Reehorst

Modern

1099 P LAB 012 TTH 4-5PM DANCE STUDIO A Foust

1100 P LAB 013 F 12-2PM DANCE STUDIO B Reehorst

Intermediate Ballet

This course is designed for non-major students who have a basic understanding of ballet technique. Students enrolling in this course will have completed Intro to Ballet or have previous ballet experience outside of the University.

2001 P LAB 014 F 10-12PM DANCE STUDIO A Bascom
Intro to Pilates

Pilates is a physical training practice created by Joseph Pilates in the 1920s that is designed to develop balanced strength and flexibility while maintaining a focus on postural alignment and body awareness. This course will be an introduction to the exercises of the Pilates Method and will also involve elements of basic anatomy and kinesiology. Designed specifically for students, course content will include exercises that will serve the studying-body with a special focus on strengthening spinal extensors and lengthening the body's back-line. Great for student-athletes and artists looking for a course to balance a training regimen, this course will help students identify personal practice methods to take with them beyond the semester. Most importantly, this class is a practice, a tune into one's own body and develop greater kinesthetic awareness within the Pilates method.

102 Modern Dance I 1.00 ENFORCED
20779 PDRW LAB 001 TTH 12-2PM DANCE STUDIO A Hopper

104 Modern Dance I 1.00 ADVISORY
20780 PDW LAB 001 M 12-2PM DANCE STUDIO A Deyoung Jr

104 Modern Dance I 1.00 ADVISORY
28522 PD W LAB 002 TTH 12-2PM DANCE STUDIO D Jelinkova

112 Ballet I 1.00 ADVISORY
20781 PD W LAB 001 TTH 10-12PM DANCE STUDIO D Rice

114 Ballet I 1.00 ADVISORY
21483 PD W LAB 001 M 2-4PM DANCE STUDIO B Rice

114 Ballet I 1.00 ADVISORY
28522 PD W LAB 002 TTH 12-2PM DANCE STUDIO D Jelinkova

122 Freshman Repertory 1.00 ADVISORY
21231 PD W LAB 001 F 4-5PM DANCE STUDIO A Hopper

Gillen Rep
20223 PD W LAB 002 F 5-6PM DANCE STUDIO A Hopper

Naharin Rep
35065 PD LAB 003 M 4-5PM DANCE STUDIO A Torijano

P LAB 003 W 4-5PM DANCE STUDIO D

Sandra’s Faculty Rep

126 FTC 2.00
20782 PD W LAB 001 MW 5-7PM DANCE STUDIO D Wilson

128 Dance Laboratory 1.00
20476 PD W LAB 001 F 12-2PM DANCE STUDIO D West

Ballet
20477 PD W LAB 002 F 2-4PM DANCE STUDIO D Torijano

Modern
20478 PD W LAB 003 F 12-2PM DANCE STUDIO A Rush

Improvisation
21100 PD W LAB 004 F 2-4PM DANCE STUDIO A

Yoga
Attn non-Dance majors interested in Yoga: Please attend the first class session in Winter term to speak to the instructor. If you are permitted into the class, she will collect your info and an override will be issued. DO NOT contact the Dance Office or Instructor for permission prior to.

132 Dance Comp 2 2.00 ADVISORY
20783 PD W LAB 001 TTH 2-4PM DANCE STUDIO A Sparling, Hopper

152 Body Knowledge 2.00 ENFORCED
20868 PDRW LEC 001 TTH 8:30-10AM DANCE STUDIO C Whyatt

202 Modern Dance II 1.00 ADVISORY
20784 PD W LAB 001 TTH 10-12PM DANCE STUDIO A Harge

204 Modern Dance II 1.00 ADVISORY
20785 PD W LAB 001 M 12-2PM DANCE STUDIO B Chavasse

204 Modern Dance II 1.00 ADVISORY
20786 P W LAB 001 W 12-2PM DANCE STUDIO A

Partnering / Improvisation
Beginning with a set warm up, we will generate phrase work that leads into an investigation of a wide array of partnering structures. Working collaboratively, not only in duet form, complexities of weight sharing, points of manipulation, while prioritizing anatomical efficiency and inventiveness will be gained.

212 Ballet II 1.00 ADVISORY
20786 PD W LAB 001 TTH 10-12PM DANCE STUDIO D Rice

28579 PD W LAB 002 TTH 12-2PM DANCE STUDIO D Jelinkova

214 Ballet II 1.00 ADVISORY
20787 PD W LAB 001 M 2-4PM DANCE STUDIO D Beck

214 Ballet II 1.00 ADVISORY
28579 PD W LAB 001 TTH 2-4PM DANCE STUDIO D Jelinkova

222 Sophomore Repertory 1.00 ADVISORY
20788 PD W LAB 001 F 4-5PM DANCE STUDIO A Hopper

Gillen Rep
21161 PD W LAB 002 F 5-6PM DANCE STUDIO A Hopper

Naharin Rep
35066 PD LAB 003 MW 4-5PM DANCE STUDIO A Torijano

Sandra’s Faculty Rep

228 Dance Laboratory 1.00
20479 PD W LAB 001 F 12-2PM DANCE STUDIO D West

Ballet
20480 PD W LAB 002 F 2-4PM DANCE STUDIO D Torijano

Modern
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**Yoga**

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Gillen Rep

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School of Music, Theatre and Dance

Arts Administration (ARTSADMN)

Arts Administration (ARTSADMN) is designed to provide access to the greatest leaders from the fields of performing arts, arts administration, arts leadership and philanthropy. Students will have the opportunity for multi-faceted in-depth engagement and reflection. The premise of the course is to ignite learning through inspiration from and role modeling by successful leaders and direct mentorship. Students will meet with the visitor for a facilitated interactive experience and conversation, engage each speaker in a facilitated Q and A and process the materials in an interactive group discussion. Students will also write response pieces to each speaker, providing their own perspectives and takeaways from the absorbed material. Finally, as the final project, students will present a mini-lecture, engage in a peer Q and A and provide critical feedback. The response papers will be submitted after each visit. Each visitor may also assign a reading for the preparatory discussion, and possibly, for the visit mini-lecture, engage in a peer Q and A and provide critical feedback. The response papers will be submitted after each visit. Each visitor may also assign a reading for the preparatory discussion, and possibly, for the visit mini-lecture, engage in a peer Q and A and provide critical feedback. The response papers will be submitted after each visit. Each visitor may also assign a reading for the preparatory discussion, and possibly, for the visit mini-lecture, engage in a peer Q and A and provide critical feedback. The response papers will be submitted after each visit. Each visitor may also assign a reading for the preparatory discussion, and possibly, for the visit mini-lecture, engage in a peer Q and A and provide critical feedback. The response papers will be submitted after each visit.
Arts Entrepreneurship Essentials is a comprehensive journey that begins with developing one’s mindset of conceiving, vetting and formulating an idea and then implementing them into successful, sustainable creative ventures. Students will have the opportunity to explore entrepreneurship through the prism of their own arts or life focus and specialization. Required texts, coupled with class lectures, collaborative projects and engaged discussions are designed to help develop the core skillsets necessary to awaken and develop young creative entrepreneurs. As a practicing arts and social entrepreneur having founded several successful, ongoing creative initiatives and organizations, Professor Dworkin will introduce a unique and practical course informed by his own life experiences, including building a thriving non-profit with a 5 million dollar annual budget and a 20-year track record. As an overall philosophy, this course demystifies entrepreneurship and illustrates how an authentic passion and commitment to creativity and learning serve as key pillars for a successful, fulfilling life. The final Capstone Project will tie together the material covered in all modules, showcasing each student’s ability to formulate and make the case for a creative venture.
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<td></td>
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<tr>
<td>326</td>
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<td>1.00</td>
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<td>CMP</td>
<td>SEC</td>
<td>DAYS</td>
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<tr>
<td>13204</td>
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<td>W</td>
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Campus Symphony Orchestra
Audition Required. Please see http://smtd.umich.edu/current_students/perf_opps/orchestras.htm for audition information.

| 13205  | P    | LAB 002 | W   | 7-10PM | 1320 SM | Weinberg  |    |            |

Campus Philharmonia Orchestra
Audition Required. Please see http://smtd.umich.edu/current_students/perf_opps/orchestras.htm for audition information.

**345 Univ Orchestras**

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<tr>
<th>Class #</th>
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<td>14300</td>
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University Symphony Orchestra

346 **Campus Band**

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Campus "University" Band

346 **Campus "Blue" Band**

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Campus "Maize" Band

**347 Univ Band**

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Symphony Band

**348 Marching Band**

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<tr>
<td>23636</td>
<td>P</td>
<td>LAB 002</td>
<td>TH</td>
<td>6:30-8:30PM</td>
<td>ARR</td>
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Basketball Band

**349 Univ Choir**

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<td>13212</td>
<td>P R</td>
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Symphony Band

**350 Univ Chamber Choir**

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<td>1351</td>
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**351 Arts Chorale**

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**352 Opera Chorus**

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<tr>
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**353 Mens Glee Club**

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**356 Womens Glee Club**

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**358 Womens Glee Club**

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<td>LEC RM 1 MLB</td>
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**360 Campus Jazz Ensemble**

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<tr>
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<td>TH</td>
<td>8-10PM</td>
<td>1320 SM</td>
<td>Miller, Wilson</td>
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**400 Early Mus Ensemble**

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<tr>
<td>1362</td>
<td>P</td>
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**401 Baroque Renaissance Choir**

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<tbody>
<tr>
<td>23636</td>
<td>P</td>
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<td>ARR</td>
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<td>ARR</td>
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**402 Baroque Small Chamber Ensembles**

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<tr>
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<td>1130-130PM</td>
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**Baroque Chamber Orchestra**

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<tbody>
<tr>
<td>13220</td>
<td>P</td>
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<td>TTH</td>
<td>5-6PM</td>
<td>1320 SM</td>
<td>Laronga</td>
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</tbody>
</table>

Learn to play the dynamic, subtle, transcendent music of the Javanese Gamelan! These classes are for people who want to experience a musical tradition totally different from western folk, rock or classical music. The gamelan is an ensemble of gongs, metallophones, drums, xylophone, a few stringed instruments, and singers. No previous knowledge of Indonesia or of music is expected. These courses are open to all students, undergraduate and graduate in all departments of the university. For information contact Megan Hill (billmeg@umich.edu).

**407 Int Indonesian Orch**

<table>
<thead>
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<th>Class #</th>
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<td>13221</td>
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<td>6-745PM</td>
<td>1320 SM</td>
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</table>
an ensemble of gongs, metallophones, drums, xylophone, a few stringed instruments, and singers. No previous knowledge of Indonesia or of music is expected. These courses are open to all students, undergraduate and graduate in all departments of the university. For information contact Megan Hill (hillmeg@umich.edu)

<table>
<thead>
<tr>
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<td>462</td>
<td>Chamber Jazz Ens</td>
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<tr>
<td>464</td>
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<td>465</td>
<td>Small Percuss Ens</td>
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<td>470</td>
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Each ensemble will be assigned one lab time after ensembles are formed. Jazz majors only.

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RACKHAM STUDENTS ELECT MUSIC PERFORMANCE 882 INSTEAD.

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**Flute (FLUTE)**

- **Fortepiano (FPIANO)**
  - Performance: 2.00-4.00
  - Crawford

- **French Horn (FRENHORN)**
  - Performance: 2.00

- **Guitar (GUITAR)**
  - Performance: 2.00

- **Harp (HARP)**
  - Performance Lab: 1.00

- **Jazz & Improvisational Studies (JAZZ)**
  - Jazz Piano: 1.00
  - Rowe

- **Beginning Guitar**
  - Guitar 111 is for beginners - those who have never played guitar. If you do not own a guitar one will be provided for you to use during the semester. Students with more than a year of playing experience should not register for the course.

  The purpose of GUITAR 111 is to help students develop their guitar skills, with a primary focus on using the guitar as an accompaniment instrument. Right Hand skills covered will include finger picking, flat picking, and a variety of strumming patterns. Left Hand skills will include open chords, barre chords, melody chords, and basic scale patterns. Introduction to reading of standard music notation, guitar tablature, and chord symbols will be covered. Other topics that will be presented include improvisation, playing by ear, and using the capo for transposition.
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**Fund Rhythm B**

This is a companion course to "Fundamentals of Rhythm A: the grid," but does not require this course as a prerequisite. "Fundamentals of Rhythm A" explored rhythms on human made grid systems such as even pulses, quantized subdivisions, metric cycles and song forms. This course will look at rhythms that more generally fall "off the grid" or "in the cracks." This includes rhythms of speech, gesture, and rhythms of the natural world. In musical applications, we will look at some of the varieties of experience that fall into the category of "feel," including groove, flow, pocket and swing. As in the first semester course, students will not bring instruments to class. All work will be done with singing and clapping in order to developing, hearing, memory, and internalization.

| 455    | Creat&Consciousness | 2.00 | ADVISORY |
| 23337  | PI   | LEC | 002 | W    | 630-830PM | 202 STRNS |    | Travers            |
| 465    | Ind Study | 1.00-3.00 |
| 13259  | PIR  | LAB | 001 | TTH  | 1230-130PM| 1378 SM  |    | Rowe               |
| 472    | Jazz Improvisatn IV | 3.00 | ENFORCED |
| 13260  | P    | LAB | 001 | T    | 130-230PM | 1378 SM  |    | Bishop             |
| 479    | Jazz Arranging II | 2.00 | ADVISORY |
| 23543  | P    | LEC | 001 | MW   | 1230-230PM| ARR      |    | Wilson             |

Class to meet in Duderstadt Center, Training Room 3

| 480    | Career Delve-Jazz | 2.00 | ADVISORY |
| 22392  | P    | LEC | 001 | M    | 1030-1230PM| 3213 SM  |    | Lucas              |

Inner Business of Music

| 550    | Creat&Consciousness | 2.00 |
| 23874  | PI   | SEM | 001 | T    | 2-4PM     | 202 STRNS |    | Travers            |
| 23875  | PI   | SEM | 002 | T    | 4-6PM     | 202 STRNS |    | Travers            |
| 27574  | PI   | SEM | 003 | TH   | 430-630PM | 202 STRNS |    | Travers            |
| 29344  | PI   | SEM | 004 | TH   | 630-830PM | 202 STRNS |    | Travers            |

This is a companion course to "Fundamentals of Rhythm A: the grid," but does not require this course as a prerequisite. "Fundamentals of Rhythm A" explored rhythms on human made grid systems such as even pulses, quantized subdivisions, metric cycles and song forms. This course will look at rhythms that more generally fall "off the grid" or "in the cracks." This includes rhythms of speech, gesture, and rhythms of the natural world. In musical applications, we will look at some of the varieties of experience that fall into the category of "feel," including groove, flow, pocket and swing. As in the first semester course, students will not bring instruments to class. All work will be done with singing and clapping in order to developing, hearing, memory, and internalization.

| 555    | Creat&Consciousness | 2.00 |
| 23893  | PI   | LEC | 002 | W    | 630-830PM | 202 STRNS |    | Travers            |
| 567    | Jazz Improv II | 3.00 |
| 23924  | PI   | LEC | 001 | TTH  | 1230-130PM| 1378 SM  |    | Rowe               |
| 572    | Jazz Improv IV | 3.00 | ADVISORY |
| 23891  | PI   | LAB | 001 | TTH  | 130-230PM | 1378 SM  |    | Bishop             |
| 577    | Adv Jazz Improv | 2.00 | ADVISORY |
| 13263  | PIR  | LAB | 001 | T    | 1030-1230PM| 201 STRNS |    | Sarath, Okazaki   |

| 580    | Career Delve-Jazz | 2.00 |
| 23892  | PI   | LEC | 001 | M    | 1030-1230PM| 3213 SM  |    | Lucas              |

Inner Business of Music

Music Education (MUSED)

| 111    | Art of Mus Teach | 2.00 |
| 20916  | P    | LEC | 001 | T    | 1230-230PM| 2038 SM  |    | McCarthy           |
| 121    | Tech for Music Ed | 1.00 | ENFORCED |
| 21889  | P    | LAB | 001 | W    | 5-7PM     | 378 SM   |    | Rodriguez          |
| 202    | Tch Str Instr II | 1.00 |
| 13264  | P    | REC | 001 | TTH  | 8-930AM   | 2038 SM  |    | Hopkins            |
| 203    | Tch Woodwind Instr | 1.00 |
| 20413  | P    | REC | 001 | TTH  | 1030-1230PM| 2044 SM  |    | Conway             |
| 205    | Tch Brass Instr | 1.00 |
| 22428  | P    | REC | 001 | TTH  | 1030-1230PM| 2044 SM  |    | Conway             |
| 207    | Tch Percuss Instr | 1.00 |
| 13265  | P    | REC | 001 | MWF  | 830-930AM | 1380 SM  |    | Bernstein          |
| 320    | Vocal Methods | 1.00 |
| 18267  | P    | LEC | 002 | WF   | 930-1030AM| ARR      |    | Skadsem            |

Class to meet in Stearns Room 201

<p>| 340    | Choral Tech Meth Sec | 2.00 | ADVISORY |
| 13266  | P    | LEC | 001 | MWF  | 930-1130AM| 2038 SM  |    | Skadsem            |
| 340    | Choral Tech Meth Sec | 2.00 | ADVISORY |
| 13265  | P    | LEC | 001 | MWF  | 930-1130AM| 2038 SM  |    | Skadsem            |</p>
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**History of Music**

Students are auto-enrolled in lecture when they elect a discussion.

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**History of Music**

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**Music and Mobility**

Music and Mobility: Global Diasporas Making Sense and Sound seeks to challenge the boundaries of the modern nation-state to chart a musical map of the world that reflects the movements of human beings across the globe. Much of the contemporary world is constituted of diasporic societies. Global trade, slavery, imperialism, colonialism, wars, and the search for better lives have forcibly moved people as well as driven others to move voluntarily. We wish to understand how migrants, both old and recent diasporic peoples, have engaged creatively, through music, with their surroundings to make new selves and new lives; wherever they have found themselves. Outstanding examples will be chosen from the African, Arab, Asian, Jewish, and European, diasporas worldwide. This course aims to further our understanding of the ways in which human beings survive and evolve by creating and consuming new musical and aesthetic worlds for themselves; how they make sense and create place through sound.

Course assignments will be: three discussion and response papers based on the readings, and a final exploration, paper, or performance. This final project may consider a people and a music that personally relevant for you, or examine another diasporic society and its music that you find particularly engaging.

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**Course Title**

- **History of Music ca. 1750 to 20th century**
- **History of Jazz**
- **Topics Baroque Music**
- **Music and Mobility**
- **History of Opera 19-20c**
- **Topics Baroque Music**
- **Topics Baroque Music**
- **Music and Mobility**

**CR**

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**LAB FEE**

- **IND + ARR**
## Music Performance (MUSPERF)

**NOTE - STUDENTS ELECTING COURSES NUMBERED 591, 891, 990, AND 995 MUST FILL OUT APPLICATION FOR INSTRUCTION IN MUSIC PERFORMANCE AT 2277 SCHOOL OF MUSIC DURING REGISTRATION.**

### Engaging Performance

This course connects undergraduate students directly to the touring, world-class artists who perform music, theater, and dance on the U-M campus. Students will attend live performances, talk with the artists and the arts administrators who help get them here, and explore how the performing arts are an integral part of our lives and the world at large. Class will include lectures (including some by guests and visiting artists), weekly discussion sections, required attendance at evening performances, interactive classroom activities, weekly readings, reaction papers about the performances, and group presentations and/or performances from students in class.

Students will attend live performances of:

- Urban Bush Women's Hair & Other Stories
- Underground Railroad Game, a daring new theatre work about race in the United States
- singer-songwriter Gabriel Kahane’s new song cycle Book of Travelers
- an opera in concert production of the Gershwin’s Porgy and Bess
- Company Wang Ramirez’s Borderline, a contemporary dance work fusing cultures and styles
- a concert at the Michigan Theater capturing the blues tradition in the Piedmont region of the United States
- the dance-theatre work of Nederlands Dans Theater
- legendary jazz pianist Chick Corea with the Lincoln Center Orchestra

These performances constitute the course’s primary textbook, and the full package of tickets is available to students enrolled in the course for the dramatically reduced rate of $120. Engaging Performance is made possible through a grant from the Andrew W. Mellon Foundation and a partnership between the University of Michigan and the University Musical Society (UMS).

### Wellness for Performing Artist

This class is designed to introduce students in the performing arts to wellness topics and somatic practices with the aims of preventing injury, developing kinesthetic awareness and exploring the role of the expressive body as an integral component of performance. Active participation through movement and in-class performance are required.

Topics that will be addressed include performance anxiety, stress management, nutritional health, Yoga, Alexander Technique, Feldenkrais, and Laban Movement Analysis.

### Video Game Music

Topics that will be addressed include performance anxiety, stress management, nutritional health, Yoga, Alexander Technique, Feldenkrais, and Laban Movement Analysis.
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This course explores how today's leading technology companies bring products to market and how artists, musicians,
This course explores how today's leading technology companies bring products to market and how artists, musicians, composers, engineers, business and computer science students might contribute and become part of these companies. Topics include best practices to department functions. Online resources offer insights into real, working companies. Instructor will visit campus to meet with students.

25819 P W LEC 003 TTH 430-6PM 378 SM Edwards
Entrepren. thru Technology

Digital Fab. for Acoustics
This course explores digital fabrication applied to acoustics and instrument design. Students learn 3D printing and laser cutting, conduct sound-based experiments with materials, and design custom musical objects. Acoustic principles are applied in computer-aided design and verified through simulation and making. Readings in musical acoustics, contemporary organology and critical making support class discussion and critique.

31692 P LEC 008 TTH 230-4PM 506 BMT Burns
Electronic Mus & Social Justice

This course investigates artistic responses to and interventions in struggles for social justice made by electronic musicians from the 1970s to the present day. Students learn specific artistic and technological techniques which inform music concerned with representation, protest, and activism, and develop critical perspectives on this repertoire.

501 Intr to Computer Mus 3.00 ADVISORY
25160 P W LEC 001 TTH 12-130PM 378 SM Edwards
25161 P W LEC 002 TTH 9-1030AM 378 SM Edwards
25162 P W LEC 003 MW 1030-12PM 378 SM Dooley
25163 P W LEC 004 TTH 3-430PM 378 SM Edwards
25164 P W LEC 005 MW 9-1030AM 378 SM Burns

502 Special Course 2.00
34386 P W LEC 001 TTH 1030-12PM A RR Santos
34391 P W LEC 002 MW 1230-2PM ARR Dooley

507 Direct Indiv Study 1.00-3.00 ADVISORY
IR IN + ARR ARR

513 Interdisc Collab II 1.00-3.00
19488 P W SEM 001 MW 1030-1230PM 376 SM Rush

Design Lab

Class to meet in the Dance Building, Studio B

555 Elec Chamb Mus 1.00-3.00
23766 P W LEC 001 T 6-9PM 376 SM Gurevich

Optional Laboratory

PAT 555 section 002 MUST be elected concurrently with PAT 555 section 001.

561 Perf Systems 3.00 ADVISORY
24339 P W LEC 001 MW 9-1030AM 376 SM Granzow

572 Business of Music 3.00 ADVISORY
18227 P W LEC 001 TTH 3-430PM STAMPS Swedberg

581 Indep Std I IND + ARR ARR
590 Thesis I SI IND + ARR ARR

MA Media Arts Students Only

598 Special Topic in PAT 1.00-3.00
32390 P LEC 001 TH 630-830PM 378 SM LeBoeuf, Kuuskoski

Media Technology Careers

This course explores how today's leading technology companies bring products to market and how artists, musicians, composers, engineers, business and computer science students might contribute and become part of these companies. Topics include best practices to department functions. Online resources offer insights into real, working companies. Instructor will visit campus to meet with students.

This course explores how today's leading technology companies bring products to market and how artists, musicians, composers, engineers, business and computer science students might contribute and become part of these companies. Topics include best practices to department functions. Online resources offer insights into real, working companies. Instructor will visit campus to meet with students.

22394 P W LEC 003 TTH 430-6PM 378 SM Edwards
Entrepren. thru Technology

The course will provide a basic introduction to audio and video recording, notation software, and website design, with a goal of developing online an online presence to facilitate entrepreneurship for artists.

Media Technology Careers
This course explores digital fabrication applied to acoustics and instrument design. Students learn 3D printing and laser cutting, conduct sound-based experiments with materials, and design custom musical objects. Acoustic principles are applied in computer-aided design and verified through simulation and making. Readings in musical acoustics, contemporary organology and critical making support class discussion and critique.

**Percussion (PERCUSS)**

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**Class to meet in SM 3038 (Louis Nagel's Studio)**

**Sacred Music (SACREDMU)**

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Accelerated

Accelerated Students Only

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STUDENTS ELECTING LEC 004 MUST ALSO ELECT LAB 005 OR 006.

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Music of the Beatles

How does music affect our perception of political film? How does music manipulate our feelings for or against the subject matter? In this course we will survey some of the major films in this genre, beginning with Battle of the Somme (1916), and ending with Songs of War (2012) as well as more recent political films. In addition to readings on the political/historical topic, we will learn basic terminology and analytical techniques for film music.

Analyzing Mozart's Operas

The course is about the classical music traditions of North India, also known as Hindustani music. The first half of the course focuses on acquiring mastery over the basic musical materials of this idiom through singing, improvisation, and transcription exercises. The second half of the course builds on these skills to theorize about and analyze aspects of North Indian classical pitch (i.e. raga) and rhythmic (i.e. tala) structure, form, performance practice, and their connection to other musical idioms, including the classical music of South India, and the classical and popular musical traditions of the West.
Trombone (TROMBONE)

**Performance**

219 Performance 2.00-4.00

Trumpet-Cornet (TRUM)

Tuba (TUBA)

Viola (VIOLA)

**Performance Lab**

450 Performance Lab 1.00

13060 Performance Lab PIR LAB 162 T 230-430PM 1340 SM 1.00 Schotten

450 Performance Lab P R LAB 162 T 230-430PM 1378 SM 1.00

P R LAB 162 TH 230-430PM 1378 SM

Meets in Britton (1340 SM) on select Tuesdays for String Showcase

450 Performance Lab 1.00

22071 Performance Lab PIR LAB 163 M 730-930PM 2020 SM 1.00 Coade

450 Performance Lab P R LAB 163 T 230-430PM 1340 SM 1.00

Meets in Britton (1340 SM) on select Tuesdays for String Showcase

550 Performance Lab 1.00

22083 Performance Lab PI LAB 162 T 230-430PM 1340 SM 1.00 Schotten

550 Performance Lab P LAB 162 TH 230-430PM 1378 SM 1.00

P LAB 162 T 330-430PM 1378 SM

550 Performance Lab PI LAB 163 M 730-930PM 2020 SM 1.00 Coade

550 Performance Lab P LAB 163 T 230-430PM 1340 SM 1.00

Violin (VIOLIN)

**Performance**

111 Performance 2.00 ADVISORY

450 Performance Lab 1.00

24713 Performance Lab PI LAB 157 TH 630-830PM 1374 SM Belen 1.00

450 Performance Lab P LAB 157 T 230-430PM 1340 SM 1.00

450 Performance Lab PI LAB 160 T 230-430PM 1340 SM 1.00 Shipp

450 Performance Lab P LAB 160 TH 430-630PM 2032 SM 1.00

450 Performance Lab PI LAB 164 T 230-430PM 1340 SM 1.00 Coade

450 Performance Lab P LAB 164 T 430-630PM 1378 SM 1.00

String Showcase

450 Performance Lab 1.00

16952 Performance Lab PI LAB 172 TH 230-430PM 1340 SM 1.00 Berofsky

450 Performance Lab P LAB 172 T 230-430PM 1340 SM 1.00

450 Performance Lab PI LAB 181 T 230-430PM 1340 SM 1.00 Song

String Showcase

22396 Performance Lab PI LAB 232 M 5-7PM 1380 SM 1.00 Halen

460 Viola for Violin 1.00

21417 Viola for Violin P SEM 001 W 530-630PM ARR 1.00 Schotten

Meets in 3042 Moore

550 Performance Lab 1.00

22087 Performance Lab PI LAB 172 T 230-430PM 1340 SM 1.00 Berofsky

550 Performance Lab P LAB 172 T 230-430PM 1340 SM 1.00

550 Performance Lab PI LAB 181 T 230-430PM 1340 SM 1.00 Song

550 Performance Lab PI LAB 181 T 430-630PM 1378 SM 1.00 Halen

String Showcase

550 Performance Lab 1.00

23792 Performance Lab PI LAB 181 T 230-430PM 1340 SM 1.00 Berofsky

550 Performance Lab P LAB 172 T 230-430PM 1340 SM 1.00

550 Performance Lab PI LAB 232 M 5-7PM 1380 SM 1.00 Halen

Meets in 3042 Moore

550 Performance Lab 1.00

22396 Performance Lab PI LAB 232 M 5-7PM 1380 SM 1.00 Halen

550 Performance Lab P LAB 232 T 230-430PM 1340 SM 1.00

550 Performance Lab PI LAB 181 T 430-630PM 1378 SM 1.00 Song
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**Voice (VOICE)**

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**Introduction to Art Song**

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U of M Schedule of Classes Page 363 of 452
WN 2018 2170 12-18-2017 12:12 20249727
# Theatre And Drama

## Theatre & Drama (THTREMUS)

### 101 Intro to Acting I 3.00 ADVISORY

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Students need to register on the wait list and attend the first two classes before they will be considered for an override for the course.

### 102 Intro to Acting II 3.00 ADVISORY

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Students need to register on the wait list and attend the first three classes before they will be considered for an override for the course.

### 110 Intro Acting Camera 3.00 ADVISORY

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STUDENTS MUST BE PRESENT AT THE FIRST TWO CLASS MEETINGS TO CLAIM THEIR PLACES. ABSENCE WILL INDICATE THAT THE PLACE IS OPEN, AND MAY BE GIVEN TO ANOTHER STUDENT. ARRANGEMENTS FOR SPECIAL CIRCUMSTANCES SHOULD BE MADE WITH THE INSTRUCTOR PRIOR TO THE BEGINNING OF CLASSES.

### 162 Intro Stage Make-Up 1.00 ADVISORY

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SMTD Performance Majors only (Dance, Theatre, Musical Theatre, Opera).

Class meets in room B102 at the Walgreen Drama Center on North Campus.

### 182 Acting II 3.00 ADVISORY

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BFA Musical Theatre

### 227 Intro Playwriting 2.00-3.00

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### 240 Intro to Design 3.00 ADVISORY

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### 245 Intro Stage Managemt 2.00-3.00 ADVISORY

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Meets in Conference Room on 2nd floor

### 250 Intro Tech Tht Prac 3.00

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Students must elect one lecture section 001 or lecture 002 PLUS a lab section (003-007).

### 251 Practicum I 1.00

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Topsy-Turvy: The Victorian World of Gilbert and Sullivan

Created in London between 1871 and 1896, the comic operas of W. S. Gilbert (librettist) and Arthur Sullivan (composer) have been widely performed for more than a century. This course introduces students to the late nineteenth-century context of Gilbert and Sullivan's theatrical collaboration, focusing in particular on aspects of Victorian culture that they parodied through words and music.

Each week we will read and discuss one of the Savoy operas, mostly in chronological order, combining selected historical readings with analysis of literary, theatrical, and musical elements. We will also consider the award-winning film, Topsy-Turvy, and attend a live performance presented by the University of Michigan Gilbert and Sullivan Society. Throughout the semester we will reflect on the critical and creative possibilities of parody.

This course fulfills the Poetry requirement for English majors. It is open to students across all departments. Previous experience with performance is welcome, but not required. Course requirements include regular attendance and active participation in class, weekly short response papers, a longer critical essay (written in several drafts), a creative response, and a reflection on the final writing portfolio. No mid-term, no final exam.
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Nursing School Of Nursing

Health Sciences (HS)

225 Global Persp HIV 3.00
P LEC 001 T 2-5PM 1240 SNB Mutumba

494 Topics in DEI 1.00-3.00
34021 P LEC 001 W 6-8PM 1240 SNB Coleman-Burns

505 Team-Based Decisions 2.00
24655 P REC 001 W 3-5PM 1000 SNB Pardee, Arslanian-Engoren

Registration is limited to Pharmacy, Social Work, Dentistry, Medical, and Nursing students who are eligible to enroll. Students will be assigned to an interdisciplinary group that will rotate between different buildings across campus. An email notifying students about their group and room assignments for the first class meeting will be sent from the School of Pharmacy before class begins.

528 Res Vulnerable Pop 3.00
31027 P LEC 001 W 1-4PM 3151 400NIB Kahle

529 Devlp Sex&Rep Progs 3.00
31028 P LEC 001 TH 2-5PM 3151 400NIB Mutumba

594 Topics in DEI 1.00-3.00
34022 P LEC 001 W 6-8PM ARR Karey

601 Health Econ 3.00
27810 P LEC 001 TH 9-1PM 1180 400NIB Yakusheva

610 Socio Comp of HIT 3.00
24437 P R LEC 001 TH 1-4PM ARR Schoville

HS 610 will meet on January 4, February 1, March 8, and April 5 in NIB 1184.

620 Hlth Prog Planning 4.00 ADVISORY
27326 P SEM 1 TH 1-5PM McCullagh

HS 620 will meet on January 4, February 1, March 8, and April 5 in NIB 1180.

650 Predictive Analytics 4.00
31007 A LEC 001 MW 8-11AM 1240 SNB Dinov
33717 P W DIS 002 ARR ARR

807 Large US Hlth Data 4.00
32596 A W LEC 001 TTH 10-1130AM 2184 400NIB Davis

Prerequisites = completion of a graduate statistics course or permission of the instructor. Prior experience using statistical software and regression is recommended but not required.

841 Qual Res Methods 3.00 ADVISORY
27819 A LEC 001 W 9-12PM ARR Saint Amant

HS 841 is a web-blended course. HS 841 will meet on January 3, January 31, March 7, and April 4 in NIB 1180.

852 Linear Modeling 4.00 ENFORCED
24430 A R LEC 001 M 8-11AM 1219 400NIB Liu
24431 P R LAB 002 M 11-12PM 1219 400NIB Liu

853 Sci Meth Health Sci 4.00
32744 AI LEC 001 M 11-1PM 1240 SNB Dinov
32745 PI DIS 002 W 11-1PM 1240 SNB Dinov

Nursing (NURS)

152 Lifespan 4.00 ENFORCED 350.00
20964 A R LEC 001 T 1130-1PM 2250 SNB Leech
20965 P LAB 002 T 130-430PM ARR Leech
20966 P LAB 003 T 130-430PM ARR Shakoor
20967 P LAB 004 T 5-8PM ARR Leech
20968 P LAB 005 T 5-8PM ARR Shakoor
20970 P LAB 006 TH 8-11AM ARR Leech
20971 P LAB 007 TH 8-11AM ARR Shakoor
20972 P LAB 008 TH 12-3PM ARR Leech
20973 P LAB 009 TH 12-3PM ARR Shakoor
21234 P R LAB 010 TH 4-7PM ARR Leech
21236 P R LAB 011 TH 4-7PM ARR Shakoor

Students outside the School of Nursing should complete this survey https://umich.qualtrics.com/jfe/form/SV_OCYJFJslmT45Us for permission to enroll. Please email UMSN-UndergradAdmissions@med.umich.edu if you have any questions. Prerequisite: Biochemistry 212 or equivalent.

210 Hum Anat&Phys Body 4.00 ADVISORY 100.00
19037 A R LEC 001 MW 9-11AM 2250 SNB Bruggeman, Sharma

210 Hum Anat&Phys Body 4.00 ADVISORY 100.00
A R LEC 001 MW 1130-1230PM 2250 SNB

210 Hum Anat&Phys Body 6.00 ADVISORY 100.00
22443 P R LAB 002 F 8-9AM ARR Bruggeman
Lab meets weeks 1, 3, 5, 7, 9, 11, 13, 15, and 17.
22444 P R LAB 003 F 830-930AM ARR Bruggeman
Lab meets weeks 2, 4, 6, 8, 10, 12, 14, and 16.
22445 P R LAB 004 F 9-10AM ARR Bruggeman
Lab meets weeks 1, 3, 5, 7, 9, 11, 13, 15, and 17.
22446 P R LAB 005 F 930-1030AM ARR Bruggeman
Lab meets weeks 2, 4, 6, 8, 10, 12, 14, and 16.
22447 P R LAB 006 F 10-11AM ARR Bruggeman
Lab meets weeks 1, 3, 5, 7, 9, 11, 13, 15, and 17.
Women's Health

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION. OPEN TO BUT NOT LIMITED TO CEW STUDENTS.

Women's Health 3.00

13463 P R LEC 001 W 5-7:30PM AUD 3 MLB Roosevelt
13464 P W DIS 002 TH 12-1PM B760 SSWB Lindemer
13465 P W DIS 003 F 12-1PM 1507 CCL Dutcher
13466 P W DIS 004 TH 2-3PM 3752 SSWB Higgins
13467 P W DIS 005 TH 1-2PM B770 SSWB Linde
13468 P W DIS 006 TH 4-5PM 1185 NQ Fike
13469 P W DIS 007 TH 3-4PM 3752 SSWB Higgins
13470 P W DIS 008 F 10-11AM 4151 USB Chadwick
13471 P W DIS 009 F 11-12PM 1507 CCL Dutcher
13472 P W DIS 010 W 7-8:30PM B115A MLB Dutcher
13473 P W DIS 011 TH 5-6PM B124 MLB Fike
13474 P W DIS 012 TH 7-8:30PM B124 MLB Higgins
13475 P W DIS 013 TH 5-6PM 2212 MLB Chadwick
20848 P W DIS 014 F 11-12PM 4151 USB Chadwick
20849 P W DIS 015 TH 9-10AM 2011 MLB Lindemer
20850 P W DIS 016 TH 6-7PM B115A MLB Fike

Honors Seminar 2.00

295 Honors Seminar 2.00

13476 P R SEM 001 T 1-3PM 2184 400NIB Kahle

Reproductive Health 3.00

16795 P R LEC 001 M 4-7PM 2000 SNB Westfall
16796 P R LEC 001 TH 10-3PM 1000 SNB Duffy

Adult Health & Illness 3.00

16798 P R LEC 001 W 10-1PM 2000 SNB Brough, Asher
16799 P R LEC 001 W 2-5PM 2000 SNB

Mental Health & Illness 3.00

16797 P R LEC 001 W 10-1PM 2000 SNB Strohbe

Honors Research 2.00

20453 P SEM 001 TH 4-6PM 1000 SNB Kahle

Perspectives in Global Health 2.00-4.00

421 Persp in Global Hlth 3.00

240 Pharm 4.00

26153 P LEC 001 MW 3-5PM 2250 SNB Casida

Health Maintenance & Restoration II 2.00

256 Hlth Maint&Restor II 2.00

16341 P R LEC 001 T 9-11AM 2250 SNB Wagner

Stats Intro to Research 3.00

17254 P R LEC 001 T 3-5PM 2250 SNB Saslow

Honors Research 2.00

295 Honors Research 2.00

421 Perspectives in Global Health 2.00-4.00
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Professional Nursing Education (PNE)

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|     |                                 | 50.00 |                |

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PNE 250 is a placeholder PNE.

Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets.

Clinical will start during week 6.

Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets.

Clinical will start during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets.

Clinical will start during week 6. The clinical location for PNE 261 is UM Hospital 7A.

Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets.

Clinical will start during week 6. The clinical location for PNE 263 is the VA Ann Arbor 6S.

Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets.

Clinical will start during week 6.

Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets.
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| 267   | Health Main Cln II   | 3.00 |        | 50.00   |
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| 24598 | A LAB 002 F         |    |        |         |
| Clinical will start during week 6. |
| Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets. |

| 268   | Health Main Cln II   | 3.00 |        | 50.00   |
| 26299 | P CLN 001 F         |    |        |         |
| 26300 | A LAB 002 F         |    |        |         |
| Clinical will start during week 6. |
| Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets. |

| 269   | Health Main Cln II   | 3.00 |        | 50.00   |
| 24599 | P CLN 001 F         |    |        |         |
| 24600 | A LAB 002 F         |    |        |         |
| Clinical will start during week 6. |
| Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets. |

| 270   | Health Main Cln II   | 3.00 |        | 50.00   |
| 24601 | P CLN 001 F         |    |        |         |
| 24602 | A LAB 002 F         |    |        |         |
| Clinical will start during week 6. The clinical location for PNE 270 is UM Hospital 7A. |
| Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets. |

| 271   | Health Main Cln II   | 3.00 |        | 50.00   |
| 24603 | P CLN 001 F         |    |        |         |
| 24604 | A LAB 002 F         |    |        |         |
| Clinical will start during week 6. The clinical location for PNE 271 is the VA Ann Arbor 6S. |
| Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets. |

| 272   | Health Main Cln II   | 3.00 |        | 50.00   |
| 26301 | P CLN 001 F         |    |        |         |
| 26302 | A LAB 002 F         |    |        |         |
| Clinical will start during week 6. The clinical location for PNE 272 is the VA Ann Arbor 6S. |
| Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets. |

| 273   | Health Main Cln II   | 3.00 |        | 50.00   |
| 26303 | P CLN 001 F         |    |        |         |
| 26304 | A LAB 002 F         |    |        |         |
| Clinical will start during week 6. The clinical location for PNE 273 is the VA Ann Arbor 5E. |
| Lab will meet during weeks 2 through 5. Please plan to be available for the duration of your clinical time on the dates that your lab meets. |

| 300   | Repr Health Cln      | 4.00 |        | 200.00  |
| 24439 | P CLN 001            |    |        |         |
| 301   | Repr Health Cln      | 4.00 |        | 200.00  |
| 24440 | P CLN 001 M          |    |        |         |
| The clinical start date for PNE 301 is 1/8/2018. PNE 301 will meet for SIMS on Tuesdays (1/9/18, 1/16/18, 1/23/18, and 1/30/18) from 8am-2pm. Please be aware that there is mandatory online MiChart training for this course. You are not allowed to attend clinical if you do not complete the training. |
| 302   | Repr Health Cln      | 4.00 |        | 200.00  |
| 24442 | P CLN 001 M          |    |        |         |
| The clinical start date for PNE 302 is 3/5/2018. PNE 302 will meet for SIMS on Tuesdays (3/6/18, 3/13/18, 3/20/18, and 3/27/18) from 8am-2pm. Please be aware that there is mandatory online MiChart training for this course. You are not allowed to attend clinical if you do not complete the training. |
| 303   | Repr Health Cln      | 4.00 |        | 200.00  |
| 24443 | P CLN 001 T          |    |        |         |
| The clinical start date for PNE 303 is 1/9/2018. PNE 303 will meet for SIMS on Mondays (1/8/18, 1/15/18, 1/22/18, and 1/29/18) from 8am-2pm. Please be aware that there is mandatory online MiChart training for this course. You are not allowed to attend clinical if you do not complete the training. |
| 304   | Repr Health Cln      | 4.00 |        | 200.00  |
| 24444 | P CLN 001            |    |        |         |
| The clinical start date for PNE 304 is 3/6/2018. PNE 304 will meet for SIMS on Mondays (3/5/18, 3/12/18, 3/19/18, and 3/26/18) from 8am-2pm. Please be aware that there is mandatory online MiChart training for this course. You are not allowed to attend clinical if you do not complete the training. |
| 305   | Repr Health Cln      | 4.00 |        | 200.00  |
| 24446 | P CLN 001 W          |    |        |         |
| The clinical start date for PNE 305 is 1/10/2018. PNE 305 will meet for SIMS on Fridays (1/12/18, 1/19/18, 1/26/18, and 2/2/18) from 8am-2pm. Please be aware that there is mandatory online MiChart training for this course. You are not allowed to attend clinical if you do not complete the training. |
| 306   | Repr Health Cln      | 4.00 |        | 200.00  |
| 24447 | P CLN 001 W          |    |        |         |
| The clinical start date for PNE 306 is 3/13/2018. PNE 306 will meet for SIMS on Mondays (3/12/18, 3/19/18, 3/26/18, and 3/3/18) from 8am-2pm. Please be aware that there is mandatory online MiChart training for this course. You are not allowed to attend clinical if you do not complete the training. |
The clinical start date for PNE 306 is 3/7/2018. PNE 301 will meet for SIMS on Fridays (3/9/18, 3/16/18, 3/23/18, and 3/30/18) from 8am-2pm. Please be aware that there is mandatory online MiChart training for this course. You are not allowed to attend clinical if you do not complete the training.

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U of M Schedule of Classes Page 374 of 452
The clinical start date for PNE 357 is 3/6/2018. The clinical location for PNE 357 is UM Hospital 4B, and PNE 357 will meet for Mastery Learning SIM on 3/9/18 from 1pm-5pm and for Moderate Sedation SIM on 3/9/18 from 8am-12pm.

359 Adult Hlth&Illn Cln
24469 P CLN 001 TTH 630-330PM UM HOSP Ciesluk, Candela
The clinical start date for PNE 359 is 1/9/2018, and PNE 359 will meet for Mastery Learning SIM on 3/19/18 from 8am-12pm and for Moderate Sedation SIM on 3/22/18 from 1pm-5pm.

360 Adult Hlth&Illn Cln
24470 P CLN 001 TTH 630-330PM UM HOSP Ciesluk
The clinical start date for PNE 360 is 3/6/2018, and PNE 360 will meet for Mastery Learning SIM on 3/16/18 from 8am-12pm and for Moderate Sedation SIM on 3/20/18 from 8am-12pm.

361 Adult Hlth&Illn Cln
24471 P CLN 001 TTH 630-330PM 8B UM HOSP Asher
The clinical start date for PNE 361 is 1/9/2018, and PNE 361 will meet for Mastery Learning SIM on 1/19/18 from 1pm-5pm and for Moderate Sedation SIM on 2/9/18 from 8am-12pm.

362 Adult Hlth&Illn Cln
26311 P CLN 001 TTH 630-330PM 8B UM HOSP Asher
The clinical start date for PNE 362 is 3/6/2018, and PNE 362 will meet for Mastery Learning SIM on 3/16/18 from 1pm-5pm and for Moderate Sedation SIM on 4/6/18 from 8am-12pm.

363 Adult Hlth&Illn Cln
26312 P CLN 001 TTH 630-330PM 8C UM HOSP Goldberg
The clinical start date for PNE 363 is 1/9/2018, and PNE 363 will meet for Mastery Learning SIM on 1/29/18 from 8am-12pm and for Moderate Sedation SIM on 2/9/18 from 1pm-5pm.

364 Adult Hlth&Illn Cln
26313 P CLN 001 TTH 630-330PM 8C UM HOSP Goldberg
The clinical start date for PNE 364 is 3/6/2018, and PNE 364 will meet for Mastery Learning SIM on 3/29/18 from 8am-12pm and for Moderate Sedation SIM on 4/6/18 from 1pm-5pm.

375 Mental Hlth&Illn Cln
24472 P CLN 001 ARR Arr
The clinical start date for PNE 375 is 1/8/2018, and PNE 375 will meet for Mastery Learning SIM on 1/18/18, 2/18/18, 2/28/18, and 2/15/18 from 2pm-6pm. For the remaining dates, the clinical location is 9C/8ECAP UM Hospital.

376 Mental Hlth&Illn Cln
24473 P CLN 001 MT 630-330PM 9C UM HOSP Sullivan
The clinical start date for PNE 376 is 1/8/2018, and PNE 376 will meet for Mastery Learning SIM on 1/18/18, 2/18/18, 2/28/18, and 2/15/18 from 2pm-6pm. For the remaining dates, the clinical location is 9C/8ECAP UM Hospital.

377 Mental Hlth&Illn Cln
24474 P CLN 001 MT 630-330PM Arr Sullivan
The clinical start date for PNE 377 is 3/5/2018, and PNE 377 will meet for Mastery Learning SIM on 3/18/18, 3/28/18, 4/18/18, and 4/9/18 from 2pm-6pm. For the remaining dates, the clinical location is 9C/8ECAP UM Hospital.

378 Mental Hlth&Illn Cln
24475 P CLN 001 MT 2-11PM Arr
The clinical start date for PNE 378 is 1/8/2018, and PNE 378 will meet for Mastery Learning SIM on 1/12/18 from 1pm-5pm and on 2/22/18, 1/29/18, 2/5/18, 2/12/18, and 2/19/18 from 8am-12pm. For the remaining dates, the clinical location is 9C/8ECAP UM Hospital.

379 Mental Hlth&Illn Cln
24476 P CLN 001 MT 2-11PM Arr
The clinical start date for PNE 379 is 3/5/2018, and PNE 379 will meet for Mastery Learning SIM on 3/9/18 from 1pm-5pm and on 3/12/18, 3/19/18, 3/26/18, 4/2/18, and 4/9/18 from 8am-12pm. For the remaining dates, the clinical location is 9C/8ECAP UM Hospital.

380 Mental Hlth&Illn Cln
24477 P CLN 001 THF 630-330PM Arr Charania
The clinical start date for PNE 380 is 1/11/2018, and PNE 380 will meet for Mastery Learning SIM on 1/18/18, 1/25/18, 2/1/18, 2/8/18, and 2/15/18 from 2pm-6pm. For the remaining dates, the clinical location is 9C/8ECAP UM Hospital.

381 Mental Hlth&Illn Cln
24478 P CLN 001 THF 630-330PM Arr Charania
The clinical start date for PNE 381 is 3/8/2018, and PNE 381 will meet for Mastery Learning SIM on 3/18/18, 3/22/18, 3/29/18, 4/5/18, and 4/12/18 from 2pm-6pm. For the remaining dates, the clinical location is 9C/8ECAP UM Hospital.

382 Mental Hlth&Illn Cln
24479 P CLN 001 THF 2-11PM Arr
The clinical start date for PNE 382 is 1/11/2018, and PNE 382 will meet for Mastery Learning SIM on 1/18/18, 1/25/18, 2/1/18, 2/8/18, and 2/15/18 from 8am-12pm. For the remaining dates, the clinical location is 9C/8ECAP UM Hospital.

383 Mental Hlth&Illn Cln
26314 P CLN 001 THF 2-11PM Arr
The clinical start date for PNE 383 is 3/8/2018, and PNE 383 will meet for Mastery Learning SIM on 3/18/18, 3/22/18, 3/29/18, 4/5/18, and 4/12/18 from 8am-12pm. For the remaining dates, the clinical location is 9C/8ECAP UM Hospital.

384 Mental Hlth&Illn Cln
26333 P CLN 001 MT 2-11PM ALLEGIANCE HOSP Jackson
The clinical start date for PNE 384 is 1/8/2018, and PNE 384 will meet for Mastery Learning SIM on 1/18/18, 1/25/18, 2/1/18, 2/2/18, and 2/18/18 from 8am-12pm. For the remaining dates, the clinical location is Henry Ford Allegiance - Jackson.

385 Mental Hlth&Illn Cln
26334 P CLN 001 MT 2-11PM Arr
The clinical start date for PNE 385 is 3/8/2018, and PNE 385 will meet for Mastery Learning SIM on 3/18/18, 3/23/18, 3/30/18, 4/6/18, and 4/13/18 from 8am-12pm. For the remaining dates, the clinical location is Henry Ford Allegiance - Jackson.

400 Community Nurse Cln
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The clinical locations for PNE 401 include Michigan Medicine MVN, Plymouth, and Brighton.

The clinical locations for PNE 402 include Project Healthy, a Botswana video conference, and the American Indian Center.

The clinical locations for PNE 403 include the Costic Activites Center and the Wayne County Health Department.

The clinical locations for PNE 404 include Ypsi Head Start, MOW, and an India video conference.

The clinical locations for PNE 405 include the Washtenaw County Health Department.

The clinical locations for PNE 406 include Jackson area sites.

The clinical locations for PNE 407 include Great Lakes Hospice and Chelsea Retirement Communities.

The clinical locations for PNE 408 include the Chelsea Retirement Communities and Livingston County Health Department.

The clinical locations for PNE 409 include JFS.

The clinical locations for PNE 410 included Flint area sites.

The clinical locations for PNE 411 include Ypsi Head Start and MOW.

This is a precepted clinical course. Students will follow the preceptor's work schedule.

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## Officer Education Programs

### Air Force Officer Education Program (AERO)

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Pharmacy
College Of Pharmacy
Medical Chemistry (MEDCHEM)

For students who would like to request permission to enroll in MedChem 310 and Biochemistry concurrently, please send an email with your name, uniqname, and Biochemistry course you are to enroll in to cop.registrar@umich.edu. Your request will be reviewed to determine if approval can be granted.

Section 002 is for Cancer Chemical Biology MS students. Section 001 is for Chemical Biology PhD students.

The course description can be found at: https://pharmacy.umich.edu/service. Note that permission is required to register for this course. Pharmacy 503, PubHlth 503, and Social Work 573, Kines 581, and MoveSci 481 are cross listed courses. If you would like to register, please send a request (including your student ID#) to: ServiceForHealth@umich.edu.

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Registration is limited to Pharmacy, Social Work, Dentistry, Medical, and Nursing students who are eligible to enroll. Students will be assigned to an interdisciplinary group that will rotate between different buildings across campus. An email notifying students about their group and room assignments will be sent before the first class meeting. First class meeting will be during the second week of the semester.
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Completion/concurrent enrollment in PharmSci 101 required.
# Public Health

## Biostatistics Department

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**Notes:**

1. Section 333 of this course is reserved for students in the On Job On Campus Clinical Research Design and Statistical Analysis Program (OJOC CRDSA) program. At this time, students in the residential Masters (i.e., MPH, MHSA, MHI, and MS) programs are not permitted to register for these sections.

2. This class will not meet the first day. The 1st actual class will meet on January 9th.

Contact Nicole Fenech (fenechn@umich.edu) or Fatma Nedjari (fned@umich.edu) to obtain permission - if needed.
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Course will be held in rm 3610, SPH Tower.
Course will be held in rm 3610 SPH Tower.
Class will be held in rm 3610 SPH Tower.
In addition to the Monday/Wednesday class meetings there is a practice set session on Fridays 11am-12pm.
Health Behavior & Health Education Department

Health Behavior And Health Education (HBEHED)

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Students will register for HBEHED 699 both Fall and Winter for 1 credit per semester for a maximum of 2 credits for the academic year.

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## Nutritional Sciences

### Nutritional Sciences (NUTR)

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This course is a Meet Together with KINESLGY 513.002.
### School Of Public Health

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will focus on innovative, community-based solutions to this problem. Students will work collaboratively across disciplines to understand the current situation, explore current best practices, and create a plan to present to a hypothetical organization such as a state or local government, a foundation, a non-profit organization, or a public-private partnership.

Class sessions will focus heavily on interactive discussion, presentations, and interviews with experts. Students will be expected to spend significant time outside of class working in teams to interview relevant stakeholders, conduct research, draft documents and develop the plan.

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This course, structured as a seminar and writing workshop, intensively develops students’ persuasive writing and critical reading skills through abundant practice and feedback. Weekly writing assignments and exercises will focus on every stage of the writing process, from brainstorming and research through drafting and revision, in three vital areas of political writing: the short opinion piece, the policy memorandum, and the polemical essay. We will read and analyze a wide variety of examples from traditional print and online media, from journalistic, government, and academic sources. We will also explore ethical considerations of policy writing, considering the ways in which our rhetorical choices—tone, word choice, even syntax—construct our subjects and frame contentious issues for target audiences.

This course will have a total of 5 meeting days, one day being a Saturday for an all day tour of Detroit.
such leaders and movements to address the difficult questions facing our world today. In this way it will provide an overview of how such leaders negotiate, manage and resolve conflicts in organizational and intra-organizational settings. Importantly it will provide students with a theoretical understanding of how trans-generational and social trauma comes to bear on successful institutional, systemic, and programmatic intervention at the nexus of social justice work and public policy.

This class provides a foundational understanding of comparative law and selected foreign legal systems. The first part of the course is devoted to understanding the different families of law. We will discuss civil law, common law, socialist law, customary law, Islamic law and others. In addition, we will explore country specific examples. In the second part of the course, we discuss ways to approach comparative law, and explore how laws are compared. Both the first and second parts of the course lead into the third, where we will use our knowledge to explore practical policy applications of comparative law: How can laws successfully be transplanted one from country to another? How can law be used to further development? How do different systems address religious differences? How are legal systems rebuilt after wars?

Inequity in Work
More than 50 years after the passage of the Civil Rights Act, significant gender and ethno-racial inequality in the labor market remains. Why? This course relies on a multidisciplinary literature from sociology, economics, psychology, moral philosophy, and socio-legal studies to examine ethno-racial and gender inequality in the labor market. We will first review and evaluate major explanations of inequality in the labor market, including employer discrimination, human capital differences, sexual harassment, occupational sex segregation, mass incarceration, inflexible workplaces, and segregated social networks. Then, we will discuss public policies and organizational efforts that seek to directly or indirectly ameliorate these inequities.

Facilitating Dialogue
This is a short introductory course module in facilitating complex and difficult dialogic moments of engagement in the social, professional and institutional spheres of the public arena. Its purpose is to provide the possibility for actual engagement with tense social issues and phenomena bedeviling complex societies. It will briefly explore the historical and theoretical contexts, which give rise to sometimes painful and traumatic moments that filter in and color what may otherwise be perceived as simplistic conversations and interactions. It will introduce students regardless of perceived color, gender, class, or ethnic identity categorization to the necessity for learning, dialogue, leadership and communal capacity building with due regard of difference and the respect of mutuality.

Immigration Policy
Fulfills the BA in Public Policy Values & Ethics requirement.

Immigration is a phenomenon that touches upon every aspect of American society, from economic growth to neighborhood institutions to national culture. This seminar provides an overview of the effects of immigration on the United States and of the United States on immigrants, with particular emphasis on policies that govern the flow of immigration and that seek to regulate its impact. Topics include immigration law and its development; attitudes toward immigration and immigrants; unauthorized migration; return migration and transnational communities; labor market issues; economic mobility and social niches; political inclusion, organization and co-optation; Americanization and assimilation; generational change; language controversies; ethnic and pan-ethnic identities; and the commercialization of immigrant cultures.

Comparative Law & Policy
Fulfills the BA in Public Policy Values & Ethics requirement.

This class provides a foundational understanding of comparative law and selected foreign legal systems. The first part of the course is devoted to understanding the different families of law. We will discuss civil law, common law, socialist law, customary law, Islamic law and others. In addition, we will explore country specific examples. In the second part of the course, we discuss ways to approach comparative law, and explore how laws are compared. Both the first and second parts of the course lead into the third, where we will use our knowledge to explore practical policy applications of comparative law: How can laws successfully be transplanted one from country to another? How can law be used to further development? How do different systems address religious differences? How are legal systems rebuilt after wars?

Private philanthropic foundations in the U.S. are fundamentally private organizations that operate within the public arena, and have long played central roles in advancing social change and shaping public priorities, yet exist as autonomous institutions that are constrained by democratic accountability mechanisms. While this autonomy allows foundations to achieve effective outcomes by taking risks, innovating with new programs, and moving with more agility than the bureauacratic state, it may also mean that the voices outside of democratic processes, leading to normative concerns about power and control by the wealthy within the public realm. The core framework of the course will engage with these questions by utilizing an experiential approach, wherein students will participate in a hands-on process of making actual grants to nonprofit organizations. The Once Upon A Time Foundation has provided a grant of $50,000 that the class will allocate as a course-long project, directly applying the concepts discussed during class through a practical lens. Students will determine the mission and objective of the funding based on students' values; the organization(s) to which funding will be allocated; the number of and size of the gift(s) that will be made; how the gift(s) will be awarded; and
how the impact of the gift(s) will be evaluated and assessed.

Global Financial Markets
PUBPOL 495 (Policy Seminar) is for students currently enrolled in the Public Policy Undergraduate Program only, no exceptions. Enrollment is by permission only.

Global financial markets provide both opportunities and risks for macroeconomic policymakers. In this course we will explore the role of financial markets in economic development, the causes and consequences of financial crises, and how policies and institutions can be used to stabilize markets and help countries recover from crises, and what lessons we can learn from recent experiences which might help prevent future crises. The final paper will be an assessment of the causes and consequences of a financial crisis in a (student-selected) specific country.

31969 P RW REC 003 MW 1130-1PM 1220 WEILL Mills

Energy & Environ Policy
PUBPOL 495 (Policy Seminar) is for students currently enrolled in the Public Policy Undergraduate Program only, no exceptions. Enrollment is by permission only.

The course aims to actively engage students in environmental policy research, broadly defined to include not just conventional issues such as air and water pollution, but also?and especially?ever-evolving energy and climate policy. In this hands-on course, students will gain a deeper understanding of contemporary environmental policy research, as well as develop personal expertise with a specific aspect of this policy arena. They will also acquire research skills applicable to both public policy and the social sciences, and hone their written and verbal communication abilities.

The course begins by introducing students to policy research techniques, with readings and class discussion largely drawing from the specific environmental policy interests of the students in the class. Students will then spend the remainder of the term researching a topic of their choosing on energy or environmental policy. These may include the student’s own environmental policy passion, or a topic that complements ongoing research in the Center for Local, State, and Urban Policy (CLOSUP) Energy and Environmental Policy Initiative, including the National Surveys on Energy and the Environment. Suitable research projects may address some aspect of the allocation of regulatory authority between national, state, and local government; the inclusion or omission of particular policy levers within the overall regulatory framework; or constituencies of support or opposition for a particular policy option.

510 Politics of Pub Pol 3.00
27991 PDR REC 001 TTH 1-230PM 1120 WEILL Hanson
This is a core course restricted to Ford School students only. Registration is by permission

521 Intro Policy Writing 0.50
22617 P RW SEM 001 T 4-530PM 2120 WEILL Ralph
29308 P RW SEM 002 M 230-4PM 2215 WEILL Morse

529 Statistics 3.00 ADVISORY
11551 S W LEC 001 TTH 10-1130AM 1120 WEILL Hanson
ONLY PUBLIC POLICY STUDENTS CAN REGISTER FOR COURSE.

541 Int'l Trade Policy 3.00 ADVISORY
31971 P RW LEC 001 TTH 830-10AM 1120 WEILL Deardorff

556 Macroeconomics 3.00 ADVISORY
18530 P RW LEC 001 MW 1-230PM 1210 WEILL Leahy
Class will begin on Monday January 8th

558 Micro B:Econ Dec Mk 3.00 ADVISORY
16821 S LEC 001 MW 10-1130AM 1110 WEILL Johnson
25970 P RW DIS 002 F 10-1130AM 1110 WEILL Stange
25971 S LEC 003 MW 10-1130AM 1120 WEILL Stange

575 Tax Policy & Business 3.00 ADVISORY
31254 P RW REC 001 MW 830-10AM R1230 BUS Slemrod

580 Values & Ethics 3.00 ADVISORY
11552 P RW LEC 001 TTH 830-10AM 1230 WEILL Ciocciari

587 Public Management 1.50 ADVISORY
11553 P RW LEC 101 MW 830-10AM 1210 WEILL Rabe

Performance Management
This is a core course restricted to only Ford School students
29421 P RW LEC 102 MW 10-1130AM 1210 WEILL Rabe

Performance Management
This is a core course restricted to only Ford School students
27996 P RW LEC 201 TTH 230-4PM 1230 WEILL Raimi

Survey Design
This is a core course restricted to only Ford School students

Part of successful management is knowing how employees, managers, citizens, and other stakeholders think and feel about organizations in general, about particular policies, and about new initiatives and programs. It’s also often important to know whether interventions are working: For example, if a manager has tried to change employee behavior in some way, are employees actually making the desired changes? How can managers get honest feedback about employee morale? When measuring public opinion on a complicated issue, how can you be sure that the responses you get are truly answering the questions you were trying to ask? When you are asking people to self-report about their behaviors, when can you trust their responses? In this module, students will be taught best practices for how to design and implement surveys to assess issues like employee morale, public opinion, and program success. Students will not only review and assess existing survey research, but will gain hands-on experience in designing survey questions, collecting survey responses, and in interpreting survey data.
### Fundraising Strategies for Non

This is a core course restricted to only Ford School students

Understand how to develop a fundraising strategy that will provide an organization with the resources needed to fulfill its mission and address a pressing social issue.

### Working in Diverse Orgs

This is a core course restricted to only Ford School students

The workforce of the 21st century is increasingly diverse. Productive managers cannot afford to ignore this diversity, and can benefit greatly from it. Yet we are often nervous about discussing and embracing issues of diversity, equity, and inclusion and many otherwise strong leaders are blind to the ways their own biases might affect their teams. In this module, students will learn about potential blind spots such as unconscious bias and its effects on employee hiring and retention, how the desire to avoid negative emotions might get in the way of productive management, and the dangers of groupthink, as well as learning strategies to avoid or address these problems. The readings will draw on empirical research from social psychology and organizational behavior, as well as real-world examples of diversity issues in the workplace.

### Policy & Mgmt in the Nonprofit

This is a core course restricted to only Ford School students

The nonprofit sector has emerged as one of the cornerstones of American society, and yet remains very much a work in progress. The “third sector” faces unique and evolving pressures in areas such as social enterprise, philanthropy, mission focus, performance measurement, sector blur, and more. In our class we will examine how some of these broad issues intersect with the day to day operation of nonprofit organizations. By considering sector tensions from a management perspective, ultimately we will each develop our own informed view on the appropriate role and function of the nonprofit sector within society. Future policy makers and nonprofit managers alike will enhance their ability to formulate positions on policy issues that impact the sector.

### Leadership in Diversity at Uni

This is a core course restricted to only Ford School students

The focus of this graduate seminar in public management is leadership and policy issues related to diversity and inclusion efforts in higher education, with a particular focus on public universities in the United States. A number of current issues related to strategic and policy approaches to diversity in higher education will be explored through the lens of leadership. The course will cover leadership models, the role of vision and mission in organizations, and leadership skills such as strategic planning, change management, organizational culture, values conflict, stakeholder management and resource allocation. Policy topics will include: affirmative action in student recruiting/financial aid and in faculty hiring; law and institutional policy regarding speech and expression; bias reporting systems; and polemics regarding campus statues and named buildings/schools. Students will perform case study analyses of a number of current controversies on campuses and in legislatures. In addition, students will assist the leadership of the University of Michigan by analyzing current campus policies and making recommendations.

### Directed Reading

This is a core course restricted to only Ford School students

The course will have a total of 5 meeting days, one day being a Saturday for an all day tour of Detroit. Class will meet 3/19, 3/21, 3/24 (Saturday Tour of Detroit), 3/26 and 3/28

### Qual Methods

This is a core course restricted to only Ford School students

The IPE is held Friday January 6th and Saturday January 7th

### Integ Policy Exercise

This is a core course restricted to only Ford School students

Enrollment by permission only - students selected through IEDP application process.

### Quant Prgm Eval

This is a core course restricted to only Ford School students

Enrollment by permission only - students selected through IEDP application process.

### Data Analys Excel I

This is a core course restricted to only Ford School students

Enrollment by permission only - students selected through IEDP application process.
This is a prof pick class and is open to all University of Michigan graduate and professional students. Please conduct research, draft documents and develop the plan. Students will be expected to spend significant time outside of class working in teams to interview relevant stakeholders, experts. The course culminates with students creating, and presenting to a team of experts and/or stakeholders, a business or operational plan proposing their solution.

This course will focus on one particular problem: how to enhance local (or regional) production, sale and consumption of fruits and vegetables within the United States, with a particular focus on Michigan and the Great Lakes region. Classes will primarily operate as discovery sessions with industry, governmental, and academic experts. This course will focus on innovative, community-based solutions to this problem. Students will work collaboratively across disciplines to understand the current situation, explore current best practices, and create a plan to present to a public-private partnership.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). This problem solving course will challenge a multidisciplinary team of students to address a real-world problem in the area of sustainable food systems. Food: what we eat, how and where we produce it, where we buy it, and who has access to it has profound effects on human health, economies, and the environment. The current US food system, which delivers abundant, "cheap" and "safe" food to millions of people has embedded in it practices, policies, and outcomes that are not sustainable or desirable at a societal level. From water shortages and tainted drinking water to diet-related diseases and environmental costs, sustainability in food systems is critical to communities, nations, and our species.

This course will focus on one particular problem: how to enhance local (or regional) production, sale and consumption of fruits and vegetables within the United States, with a particular focus on Michigan and the Great Lakes region. Classes will primarily operate as discovery sessions with industry, governmental, and academic experts. This course will focus on innovative, community-based solutions to this problem. Students will work collaboratively across disciplines to understand the current situation, explore current best practices, and create a plan to present to a public-private partnership.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Meeting renewable portfolios standards and expanding renewable energy markets requires overcoming numerous technological, societal, and legal hurdles. In this course, students will briefly examine these and the myriad other challenges facing renewable energy markets and then generate solutions to address one of those challenges.

Renewable energy offers the promise of energy security and reduced greenhouse gas emissions that are critical to climate change mitigation efforts in the United States and throughout the world. Twenty-nine states and the District of Columbia impose minimum renewable energy standards on their utilities' generation portfolios; eight states have renewable energy goals. The most ambitious standard is in Hawaii, which seeks to meet 100 percent of its energy needs from renewable sources by 2045, followed by Vermont (75 percent by 2032), California (50 percent by 2030), and the District of Columbia (50 percent by 2032). In Michigan, the renewable portfolio standard will be 15 percent in 2021.

Challenges facing renewable energy markets include an antiquated electricity transmission network geared to local generation and distribution that does not readily accommodate transmission of renewable energy from states where there is abundant supply to population centers; management of the electricity grid to provide stability in the face of the intermittent nature of renewable energy at limited scale; having sufficient storage capacity for renewable energy so that electricity is available at peak periods of demand, and ensuring price competitiveness of renewable energy through a combination of monetary and fiscal policy, while avoiding regressive impacts and geographical cost disparities. Addressing these challenges will require modification to existing laws and regulations.

Classes will include discovery sessions with industry, governmental, and academic experts. At the end of the term, students will present an integrated proposal to an expert review panel.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Working as a group with guidance from the instructors, students will develop a plan to address how the lack of social capital among inner-city entrepreneurs impedes the development of viable businesses and successful entrepreneurs and prevents the development of a healthy entrepreneurial ecosystem in inner cities. We will focus on innovative, community-based solutions to this problem. Students will work collaboratively across disciplines to understand the current situation, explore current best practices, and create a plan to present to a hypothetical organization such as a state or local government, a foundation, a non-profit organization, or a public-private partnership.

Class sessions will focus heavily on interactive discussion, presentations, and interviews with experts. Students will be expected to spend significant time outside of class working in teams to interview relevant stakeholders, conduct research, draft documents and develop the plan.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please
Students may apply for the course by submitting the required application materials to the PSI registration site (https://problemsolving.law.umich.edu/) between October 23, 2017, and November 3, 2017.

China Trip
Enrollment by permission only - students selected through China Trip application process.

This course will explore the role of non-governmental organizations in formulating policy. Globally, there are currently some 3.7 million NGOs in operation. Given this proliferation and the ostensible influence of NGOs, this course will delve into what makes an NGO unique from other institutions engaged in policy formulation and how that role impacts the policy-making process. We will explore the core activities of NGOs through the lens of current policy debates, such as the global refugee crisis and the war on terror. The class seeks to make students aware of the myriad questions and nuances that beset NGOs and the array of strategies and tools available to NGOs to impact policy debates, such as the global refugee crisis and the war on terror. The class seeks to make students aware of the myriad questions and nuances that beset NGOs and the array of strategies and tools available to NGOs to impact policy debates, such as the global refugee crisis and the war on terror.

Taken by Towsley Policymaker in Residence Hardy Vieux (Legal Director at Human Rights First)

This course provides a foundational understanding of comparative law and selected foreign legal systems. The first part of the course is devoted to understanding the different families of law. We will review and evaluate major explanations of inequality in the labor market, including employer discrimination, human capital differences, segregation, mass incarceration, inflexible workplaces, and segregated social networks. Then, we will discuss public policies and organizational efforts that seek to directly or indirectly ameliorate ethno-racial and/or gender inequality, such as paid family leave, "ban the box," and sexual harassment trainings, and increases to the minimum wage.

Gender, Race, & Emp Pol
More than 50 years after the passage of the Civil Rights Act, significant gender and ethno-racial inequality in the labor market remains. Why? This course relies on a multidisciplinary literature from sociology, economics, psychology, and socio-legal studies to examine ethno-racial and gender inequality in the labor market. We will first review and evaluate major explanations of inequality in the labor market, including employer discrimination, human capital differences, segregation, mass incarceration, inflexible workplaces, and segregated social networks. Then, we will discuss public policies and organizational efforts that seek to directly or indirectly ameliorate ethno-racial and/or gender inequality, such as paid family leave, "ban the box," and sexual harassment trainings, and increases to the minimum wage.

Comparative Law & Policy
This course provides a foundational understanding of comparative law and selected foreign legal systems. The first part of the course is devoted to understanding the different families of law. We will review and evaluate major explanations of inequality in the labor market, including employer discrimination, human capital differences, segregation, mass incarceration, inflexible workplaces, and segregated social networks. Then, we will discuss public policies and organizational efforts that seek to directly or indirectly ameliorate ethno-racial and/or gender inequality, such as paid family leave, "ban the box," and sexual harassment trainings, and increases to the minimum wage.

Social Disparities in Health
The primary purpose of this seminar course is to develop the tools needed to assess the feasibility, potential impact, unintended consequences and legal/ethical ramifications of novel policies designed to improve population health and reduce health disparities. The course will cover promising evidence-based policies for population health improvement using a social determinants of health framework.

Facilitating Dialogue
This is a short introductory course module in facilitating complex and difficult dialogic moments of engagement in the social, professional and institutional spheres of the public arena. Its purpose is to provide the possibility for actual engagement with tense social issues and phenomena bedeviling complex societies. It will briefly explore the historical and theoretical contexts, which give rise to sometimes painful and traumatic moments that filter in and color what may otherwise be perceived as simplistic conversations and interactions. It will introduce students regarding gender, race, religion, class, or ethnic identity categorization to the necessity for transcending their subject locations. In order to facilitate, mediate, and engage in trans-formative moments of learning, dialogue, leadership and communal capacity building with due regard of difference and the respect of mutuality.

Note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.
Storytelling in Policy Writing
This new half-semester course takes its inspiration from Ta-Nehisi Coates' "The Case for Reparations." In his essay, Coates employs a mix of writing modes—the statistical and the anecdotal, as well as the journalistic and even the biblical—in order to argue for a policy idea that might be otherwise all too quickly dismissed. In our course, students will choose a policy topic they care deeply about and make a case for it. To steal a line from Luke Schaefer, students will write the paper they came to grad school to write.

Great Depression to Great Recession
Since the 2008 financial crisis, developed countries have suffered high unemployment and slow growth. What are options for policymakers in this environment? This course will analyze central issues in macroeconomic policymaking through the lens of history. Students will apply analytical tools to understand the consequences of monetary, financial and financial market policy in the Great Depression, in Japan after 1990, and in the current Great Recession.

Health Insurance Reform in U.S.
This course will explore the history, structure and politics around health insurance in the U.S. The course will include policy analysis of health insurance with a focus on the underlying policy, political and philosophical issues related surrounding the financing reform debate in private health insurance, Medicaid and Medicare. In addition, the course will provide an overview of the basic features of private health insurance; from rating and underwriting practices, to operational challenges and requirements, to cost and quality controls. Some comparison will also be provided to international systems as a means for better understanding the unique aspects of the American system.
## Rackham Graduate School

### Chemical Biology (CHEMBIO)

<table>
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<th>CODE</th>
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<td>502</td>
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<td>1200 CHEM</td>
<td>Martin, Narayan, Cierpicki, Grembecka</td>
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</tbody>
</table>

Section 001 is for Chemical Biology PhD students. Section 002 is for Cancer Chemical Biology MS students.

Contact ChemicalBiology@umich.edu for registration inquiries.

<table>
<thead>
<tr>
<th>CODE</th>
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<td>Martin, Cierpicki, Narayan, Grembecka</td>
</tr>
</tbody>
</table>

Section 002 is for Cancer Chemical Biology MS students. Section 001 is for Chemical Biology PhD students.

Contact ChemicalBiology@umich.edu for registration inquiries.

### Research Rotation

- **Section 001**: 1.00-6.00
  - Register for section 001 for a full semester rotation.
  - Register for section 002 for a January - February half semester rotation.
  - Register for section 003 for a March- April half semester rotation.

### Critical Analysis II

- **Section 001**: 1.00-2.00
  - This course is available to Chemical Biology graduate students only. Please note that this is the 1.0 credit hour section. To take CHEMBIO 602, as a 2.0 credit hour course please register for Section 002. Electing to take 2.0 credit hours instead of 1.0 credit hours will involve completing a final paper for this course.

### Seminar in Chem Bio

- **Section 001**: 1.00
  - This course is available to Chemical Biology Ph.D. students only.

### Diss-Precand

- **Section 001**: 1.00-8.00
  - This course is available to Chemical Biology students only.

### Diss-Cand

- **Section 001**: 8.00
  - This course is available to Chemical Biology students only.

### Museum Studies (MSP)

- **Section 001**: 3.00
  - This course is available to Chemical Biology students only.

### Rackham Graduate School (RACKHAM)

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<th>CODE</th>
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# Ross School of Business

**Freshmen May Not Elect Any Business Courses. 500 Level Courses or Above Require Graduate Standing.**

## School of Business Administration

### Accounting (ACC)

<table>
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<td>Inter Financial Accounting (ACC 312)</td>
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<td>Cost Accounting (ACC 315)</td>
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<tr>
<td>Maize and Blue Fund (ACC 336)</td>
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<td>Maize and Blue Fund SR (ACC 338)</td>
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<td>Fin Statement Analysis (ACC 418)</td>
<td>3.00</td>
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<td>Accounting Principle (ACC 471)</td>
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<td>Principles of Managerial Accounting (ACC 551)</td>
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<td>Cost Meas &amp; Control (ACC 565)</td>
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### Corp Fin Reporting (ACC 564)

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Section 002 meets with Section 020. Seats in Section 020 are reserved exclusively for MAcc students.

Section 001 meets with Section 010. Seats in Section 010 are reserved exclusively for MAcc students.

Section 001 meets with Section 0451.

Section 001 meets with Section 0451.

Section 001 meets with Section 0451.

ACC 630.001 is continued from the prior Fall B half-term and is only open to students who complete the Fall portion.

ACC 630.002 is continued from the prior Fall B half-term and is only open to students who complete the Fall portion.

This course is reserved for Global MBA students only.

ACC 726.001 is cross-listed with FIN 726.001 and meets with ACC 336.001/FIN 336.001.

ACC 728.001 is cross-listed with FIN 728.001 and meets with ACC 338.001/FIN 338.001.

ACC 728.002 is cross-listed with FIN 728.002 and meets with ACC 338.002/FIN 338.002.

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Section 001 meets with Section 0451. Seats in Section 0451 are reserved exclusively for Evening MBA students.

ACC 728.002 is cross-listed with FIN 728.002 and meets with ACC 338.002/FIN 338.002.

ACC 728.001 is cross-listed with FIN 728.001 and meets with ACC 336.001/FIN 336.001.

ACC 728.001 is cross-listed with FIN 728.001 and meets with ACC 338.001/FIN 338.001.

ACC 726.001 is cross-listed with FIN 726.001 and meets with ACC 336.001/FIN 336.001.

ACC 728.002 is cross-listed with FIN 728.002 and meets with ACC 338.002/FIN 338.002.

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ACC 728.001 is cross-listed with FIN 728.001 and meets with ACC 338.001/FIN 338.001.

ACC 728.002 is cross-listed with FIN 728.002 and meets with ACC 338.002/FIN 338.002.
This class meets in the Ross Colloquium (on the 6th floor of the Ross building).

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2018: The meeting on 1/18 will take place in the Blau Colloquium (on the 5th floor of Blau Hall).

This class meets in the Ross Colloquium (on the 6th floor of the Ross building).


Detroit Tax Project

455 LBLE 1.50
34029 PI LAB 001 ARR ARR Barger
457 LBLE 1.50
31495 PI LAB 001 T 830-10AM Barger

Do Bus German
10339 P RW REC 001 MF 1-2PM Swennes 3.00 ADVISORY
499 Do Bus German 3.00 ADVISORY
P RW REC 001 W 1-2PM 2333 MH

ABIS 1.00
525 P R REC 001 ARR ARR Shark

Multidisc Act Proj
553 P SEM 001 ARR ARR Sanchez-Burks 7.50 ADVISORY

Map I
591 PI REC 001 ARR ARR Duenyas, Rogers 7.50 ADVISORY

Green Development
605 LBLE 1.50
26831 P RW REC 001 MW 1130-1PM Reames, Moya 3.00
BA 605 meets with NRE 605 and ARCH 507.002.

Internatl Bus Immers
685 LBLE 1.50
22485 PI SEM 001 M 630-930PM Clyde 3.00 ADVISORY

Healthcare in Emerging Markets
Students will travel to the specified country over spring break to interview relevant stakeholders.

The course is open by application only and enrollment is limited to 25 students.

Information Session for this class on Tuesday, October 31 5:30-6:30 pm in Ross 2240. Those interested are strongly encouraged to attend the Info Session.

Please see the following site for more information
http://www.bus.umich.edu/CourseManagement/ViewCourseDescriptions.asp?course=685&dept=BA&term=W16

Indep Study Project
750 I IND + ARR ARR Feldman, Jones 1.00-3.00 ADVISORY

Teach’g Fundamentals
830 P SEM 001 SA 8-5PM 0.50 ADVISORY
18492 P SEM 001 SA 10-12PM 0.50 ADVISORY

Teach’g Fundamentals
830 P SEM 001 F 3-630PM 0.50 ADVISORY
18492 P SEM 001 F 10-1130AM

Teach’g Fundamentals
830 P SEM 001 SA 8-5PM R2010 BUS 0.50 ADVISORY
18492 P SEM 001 SA 8-5PM

Teach’g Fundamentals
830 P SEM 001 SA 8-5PM R0210 BUS 0.50 ADVISORY
18492 P SEM 001 SA 8-5PM

Teach’g Fundamentals
830 P SEM 001 SA 8-5PM R0240 BUS 0.50 ADVISORY
18492 P SEM 001 SA 8-5PM

Teach’g Fundamentals
830 P SEM 001 SA 8-5PM R0230 BUS 0.50 ADVISORY
18492 P SEM 001 SA 8-5PM

Teach’g Fundamentals
830 P SEM 001 SA 8-5PM R020 BUS 0.50 ADVISORY
18492 P SEM 001 SA 8-5PM

Teach’g Fundamentals
830 P SEM 001 SA 8-5PM R020 BUS 0.50 ADVISORY
18492 P SEM 001 SA 8-5PM

Teach’g Fundamentals
830 P SEM 001 SA 8-5PM R0240 BUS 0.50 ADVISORY
18492 P SEM 001 SA 8-5PM

Teach’g Fundamentals
830 P SEM 001 SA 8-5PM R0230 BUS 0.50 ADVISORY
18492 P SEM 001 SA 8-5PM

Teach’g Fundamentals
830 P SEM 001 SA 8-5PM R0240 BUS 0.50 ADVISORY
18492 P SEM 001 SA 8-5PM

Res Meth Beh&Soc Sci
870 P RW SEM 001 M 9-12PM Bagozzi 3.00 ADVISORY
22645 P RW SEM 001 M 9-12PM

Open to all PhD students, Ross and non-Ross.

Business Communication (BCOM)
250 Intro Bus Communcn 1.50
18507 P REC 001 M 10-1130AM Kotzian
27243 P REC 002 M 1130-1PM Russo
31269 P REC 003 M 1-230PM Morrow
20799 P REC 004 M 230-4PM Morrow
18497 P REC 005 T 10-1130AM Zimmerman
18498 P REC 006 T 1130-1PM Schantz
18498 P REC 007 T 1130-1PM
27240 P REC 008 T 1-230PM Hinesly
22349 P REC 009 T 230-4PM Crawford
31271 P REC 010 W 830-10AM James
27242 P REC 011 W 10-1130AM Klionsky
31272 P REC 012 W 1130-1PM
25772 P REC 013 W 1-230PM Klionsky

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**Business Economics And Public Policy (BE)**
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Section 001 meets with Section 451. Section 451 is reserved for Evening MBA students.

| 591    | Applied Microcon 2.25 ADVISORY |        |   |
| 22347  | PI REC 001 ARR ARR Lafontaine  |    | |

BE 591 is reserved for Global MBA students only.

| 750    | Indep Study Project 1.00-3.00 ADVISORY |        |   |
| 990    | Diss-Precand 1.00-8.00 ADVISORY |        |   |
| 995    | Diss-Cand 8.00 ENFORCED |        |   |

Business Law (BL)

| 306    | Legal Asp Mgm&Fin 3.00 ADVISORY |        |   |
| 10350  | P RW REC 001 MW 1130-1PM R1240 BUS Rogala | 129.00 | |
| 407    | Fin & Bnk Law 1.50 ADVISORY |        |   |
| 18214  | P SEM 001 TH 7-9PM R2240 BUS Bishara | 600.00 | |
| 411    | CrossCult Neg&Resol 3.00 ENFORCED |        |   |
| 32476  | P R REC 618 TH 4-6PM R2230 BUS Schipani |    | |

BL 482.001 meets in accordance with the Winter 2018 MBA calendar. BL 482 (for undergraduates) meets with BL 582.001. Students cannot receive credit for taking both courses. No JDs or JD-students.

| 413    | Law of Marketing 3.00 ENFORCED |        |   |
| 27254  | P RW REC 001 MW 1-230PM R1240 BUS Rogala |    | |

| 482    | Real Est Law 3.00 ADVISORY |        |   |
| 17373  | P RW REC 001 TTH 4-530PM R1230 BUS Schloff |    | |

BL 482.001 meets in accordance with the Winter 2018 MBA calendar. BL 482 (for undergraduates) meets with BL 582.001/BL 582.451 (for MBA & MAcc students). Students cannot receive credit for taking both courses. No JDs or JD-students.

| 504    | Legal Asp Entrepshp 2.25 ADVISORY |        |   |
| 25656  | P RW REC 001 TTH 1020-1240PM R0240 BUS Schipani |    | |

BL 504 is cross-listed with ES 504. Section 001 meets with Section 451.

| 502    | Bus&Public Policy 1.50 ADVISORY |        |   |
| 28210  | P RW REC 001 MW 210-430PM R0220 BUS Schipani |    | |

Students who have taken BL 310 or BL 510 should not enroll in BL 555.

| 513    | Law of Marketing 1.50 ADVISORY, ENFORCED |        |   |
| 31266  | P RW REC 001 TTH 850-1020AM R0240 BUS Rogala |    |   |

Section 001 meets with Section 451. Section 451 is reserved exclusively for Evening MBA students.

| 517    | Law of Bus Org 2.25 ADVISORY, ENFORCED |        |   |
| 25657  | P RW REC 001 MW 1020-1240PM B0560 BUS Schipani |    |   |

Students who have taken BL 310 or BL 510 should not enroll in BL 555.

| 520    | Bus & Human Rights 1.50 |        |   |
| 31348  | P RW REC 451 TTH 1240-210PM R0220 BUS Hess |    |   |

Section 001 meets with Section 451. Section 451 is reserved exclusively for Evening MBA students.

| 555    | Ethics & Negotiation 3.00 |        |   |
| 26258  | P RW REC 001 F 8-5PM R0240 BUS |    |   |

| 555    | Ethics & Negotiation 3.00 |        |   |
| 23958  | P R REC 001 TTH 1-230PM R1240 BUS Rogala |    |   |

Students who have taken BL 310 or BL 510 should not enroll in BL 555.

| 582    | Real Estate Law 3.00 ADVISORY |        |   |
| 17435  | P RW REC 001 TTH 4-530PM R1230 BUS Schloff |    |   |

| 688    | Washington Campus 3.00 |        |   |
| 16963  | PI SEM 001 ARR ARR Oswald |    |   |

Business and the Public Policy
BL 688 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.

2018 Session dates: January 2-6, 2018.

20328 PI SEM 002 ARR ARR
BL 688 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.

2018 Session dates: January 8-12, 2018.

20329 PI SEM 003 ARR ARR
BL 688 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.


20323 PI SEM 004 ARR ARR Oswald
Business and the Public Policy
BL 688 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.

2018 Session dates: March 5-9, 2018

20324 PI SEM 005 ARR ARR Oswald
Business and the Public Policy
BL 688 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.

2018 Session dates: March 12-16, 2018

23840 PI SEM 006 ARR ARR Oswald
Business and the Public Policy
BL 688 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.

2018 Session dates: May 7-11, 2018

31330 PI SEM 007 ARR ARR
BL 688 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.

2018 Session dates: May 14-18, 2018

16964 PI SEM 451 ARR ARR Oswald
Business and the Public Policy
BL 688 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.

2018 Session dates: January 2-6, 2018.

20325 PI SEM 452 ARR ARR Oswald
Business and the Public Policy
BL 688.452 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.

2018 Session dates: March 5-9, 2018

20710 PI SEM 453 ARR ARR Oswald
Business and the Public Policy
BL 688.453 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.

2018 Session dates: March 12-16, 2018

23841 PI SEM 454 ARR ARR Oswald
Business and the Public Policy
BL 688.454 is an off-site course taught in Washington, D.C. Only selected students receive permission to register. For more information, contact rossgradacadadvising@umich.edu.

2018 Session dates: May 7-11, 2018

750 Independent Study
1 IND + ARR ARR

Business Abroad (BUSABRD)

320 Study Abroad
19810 PI REC 602 ARR ARR
Hong Kong/Singapore
Program: Global Study and Intern Program in Hong Kong & Singapore. Registration for BUSABRD/STRATEGY 320 requires approval through the Ross Global Initiatives office.

26742 PD REC 605 MTWTH 630-930PM B3570 BUS Muller, Wu
Corporate Strategy in China
Program: Corporate Strategy in China & Hong Kong. Registration for BUSABRD/STRATEGY 320 requires approval through the Ross Global Initiatives office.

18996 PI REC 608 ARR ARR
Australia/New Zealand
Program: Global Study and Intern Program in Australia & New Zealand. Registration for BUSABRD/STRATEGY 320 requires approval through the Ross Global Initiatives office.

401 Gbl Sem Ex Buenos Ai
32477 PI REC 620 P 830-1030AM ARR 1.00-20.00 ENFORCED

401 Gbl Sem Ex Buenos Ai
26180 PDR REC 601 ARR ARR Oldford

29859 P R REC 602 ARR ARR Oldford
Latin Amer Bus Env: Argentina

29860 P R REC 603 ARR ARR Oldford
Latin American Business Environments: The Case of Argentina

29861 P R REC 604 ARR ARR Oldford
Entrepreneurship: The Art of Creative Business

29862 P R REC 605 ARR ARR Oldford
Comm & Global Competence
Communication & Global Competence
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| 30324 | Strategic Management                       | ARR | ARR    | Oldford |
| 30325 | Espanol Intensivo                          | ARR | ARR    | Oldford |
| 30326 | How to be an Authentic Leader             | ARR | ARR    | Oldford |
| 30327 | Coaching and Personal Effectiveness       | ARR | ARR    | Oldford |
| 30328 | Espanol Intensive: Avanzado               | ARR | ARR    | Oldford |
| 30329 | Barcelona: Street Art                     | ARR | ARR    | Oldford |
| 30330 | Applied Portfolio Management              | ARR | ARR    | Oldford |
| 30331 | Supply Chain Management                   | ARR | ARR    | Oldford |

Public Sector Bus Reg & Lobby

| 473   | Gbl Sem Ex ICADE Bus                      | 0.50-20.00 | ENFORCED |
| 29496 | Int'l Business                            | ARR        | Oldford  |
| 30082 | Int'l Business                            | ARR        | Oldford  |
| 30083 | Int'l Business                            | ARR        | Oldford  |

Financial Markets

| 30332 | Masterpieces of Hispanic Lit.            | ARR        | Oldford  |
| 30333 | Masterpieces of Hispanic Literature      | ARR        | Oldford  |

Business Start-Up

| 30334 | Derivatives                               | ARR        | Oldford  |
| 30335 | Consumer Behavior                         | ARR        | Oldford  |
| 30336 | Business Strategy II                      | ARR        | Oldford  |
| 30337 | Ethics + CSR                              | ARR        | Oldford  |
| 30338 | International Finance                     | ARR        | Oldford  |
| 30339 | International Business                    | ARR        | Oldford  |
| 30340 | Consumer Behavior                         | ARR        | Oldford  |
| 30341 | Corporate Finance                         | ARR        | Oldford  |
| 30342 | Organizational Behavior                   | ARR        | Oldford  |

Leadership

| 474   | Gbl Sem Ex CEA Barce                      | 0.50-20.00 | ENFORCED |
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| 30300 | Leadership                               | ARR        | Oldford  |
| 30301 | International Business                   | ARR        | Oldford  |
| 30302 | Cross-Cultural Management                | ARR        | Oldford  |
| 30303 | Comm + Global Competence                 | ARR        | Oldford  |
| 30304 | Comparative Economics                    | ARR        | Oldford  |
| 30305 | Leadership, Business, and Society        | ARR        | Oldford  |
| 30306 | Beginning Spanish                        | ARR        | Oldford  |
| 30307 | Start-Up Creation                        | ARR        | Oldford  |
| 30308 | Cross Cultural Management                | ARR        | Oldford  |
| 30309 | Digital Business                         | ARR        | Oldford  |
| 30310 | Meaning & Myst. Euro Painting            | ARR        | Oldford  |

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30169 P REC 611 ARR ARR Oldford
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30170 P REC 612 ARR ARR Oldford
Strat Mgmt-Fashion & Luxury
30171 P REC 613 ARR ARR Oldford
The Innovation Architect
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# Winning Investment Strategies
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   26804 P REC 602 ARR ARR
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Corporate Entrepreneurship and Open Innovation
26805 P REC 603 ARR ARR
Corporal Sustainable Strategies
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26806 P REC 604 ARR ARR
Principles for Life Philosophy
In Search of Principles for a Life Philosophy
26807 P REC 605 ARR ARR
Innov&Creativity: Design Think
Innovation & Creativity: Developing New Products and Services through Design Thinking
26808 P REC 606 ARR ARR
Managing Innovation & Change
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Entrepreneurial Studies (ES)

212 Entrepreneurship Basics 3.00 57.00
ES 212.001 meets with UC 270.010. This class is exclusively for non-BBA undergraduate students with sophomore to senior standing.

29511 P RW REC 003 TTH 10-1130AM R2230 BUS Johnson
ES 212.003 meets with UC 270.012. This class is exclusively for non-BBA undergraduate students with sophomore to senior standing.

395 Entrepreneurial Mgt 3.00 ADVISORY
ACC 301 and MKT 300 are required for ES 395. Please do not seek permission to enroll in this course unless you have previously taken ACC 301 and MKT 300.

515 Intro to Entrepreneurship 1.50 57.00
ES 515.001 meets with ES 515.451.
ES 515.451 meets with ES 515.002.

569 Mng Growth New Vent 1.50 ADVISORY
ES 569.001 meets with ES 569.451.
ES 569.451 meets with ES 569.001.
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Prior to Winter 2015, this course was offered as FIN 308.
20282 P RW REC 002 TTH 1-230PM B1560 BUS Kozak
Prior to Winter 2015, this course was offered as FIN 308.

20283 P RW REC 003 TTH 230-4PM B1560 BUS Kozak
Prior to Winter 2015, this course was offered as FIN 308.

25734 P RW REC 311 TTH 10-1130AM B0560 BUS Kozak

25735 P RW REC 312 TTH 1-230PM B1560 BUS Kozak

25736 P RW REC 323 TTH 230-4PM B1560 BUS Kozak

409 Fixed Income Securit 1.50 ADVISORY, ENFORCED

20284 P RW REC 001 TTH 1-230PM B1560 BUS Kozak
Prior to Winter 2015, this course was offered as FIN 309.

409 Fixed Income Securit 1.50 ADVISORY, ENFORCED

25732 P RW REC 311 TTH 1-230PM B1560 BUS Kozak

25733 P RW REC 322 TTH 230-4PM B1560 BUS Kozak

425 Entrepreneurial Fin 3.00 ENFORCED

15578 P RW REC 001 W 7-10PM R0210 BUS Brophy
Prior to Winter 2015, this course was offered as FIN 325.

26100 P RW REC 321 W 7-10PM R0210 BUS Brophy

428 FinTech Innovations 3.00 ADVISORY

34061 P RW REC 001 MW 1130-1PM B1560 BUS Wu, Dittmar
Section 001 meets with Section 331.

34062 P RW REC 002 MW 1-230PM B1560 BUS Wu, Dittmar
Section 002 meets with Section 332.

34063 P RW REC 331 MW 1130-1PM ARR Wu, Dittmar
2018: Section 331 meets with Section 001 in BLAU1560. Seats in this section are reserved exclusively for Master of Management students.

34064 P RW REC 332 MW 1-230PM ARR Wu, Dittmar
2018: Section 332 meets with Section 002 in BLAU1560. Seats in this section are reserved exclusively for Master of Management students.

466 Real Estate Invstmnt 3.00 ENFORCED

23616 P RW REC 001 M 1-4PM B1580 BUS Sheinberg
Prior to Winter 2015, this course was offered as FIN 366. No prior real estate knowledge or coursework is necessary to enroll in this course.

26091 P RW REC 331 M 1-4PM B1580 BUS Sheinberg

475 Financial Modeling 3.00 ADVISORY

31263 P RW REC 001 M 1-4PM B1570 BUS Lei
31264 P RW REC 002 T 630-930PM B1570 BUS Lei

480 Options and Futures 3.00 ADVISORY, ENFORCED

28368 P RW REC 001 TTH 4-530PM R1210 BUS Carmel
29148 P RW REC 321 TTH 4-530PM R1210 BUS Carmel

565 Real Estate Dev:Fund 3.00 ADVISORY

23515 P RW REC 001 W 630-930PM R0240 BUS Allen

565 Real Estate Dev:Fund 3.00 ADVISORY

23516 P RW REC 451 W 630-930PM R0240 BUS Allen
FIN 565.001 is cross-listed with UP 565.001 and meets with FIN 565.451/UP 565.451 in R0240.

566 Real Estate Dev:Fund 3.00 ADVISORY

23517 P RW REC 451 W 630-930PM R0240 BUS Allen
FIN 565.451 is cross-listed with UP 565.451 and meets with FIN 565.001/UP 565.001 in R0240.

575 Financial Modeling 3.00 ADVISORY

23956 P RW REC 001 M 1-4PM B1570 BUS Lei
24796 P RW REC 002 T 630-930PM B1570 BUS Lei

580 Corp Fin Derivatives 2.25 ADVISORY

17167 P RW REC 001 TTH 1020-1240PM B1580 BUS Carmel
Section 001 meets with Section 451.

583 Energy Project Fin ADVISORY

23625 P RW REC 001 T 630-930PM R1230 BUS Bigelow
23628 P RW REC 451 T 630-930PM R1230 BUS Bigelow

Section 001 meets with Section 451.

FIN 615 Valuation 2.25 ADVISORY, ENFORCED

Students interested in FIN 615 should have already completed FIN 503, 513, 501, or 591 by the time the class begins.

FIN 626 Global Private Equity 1.50

FIN 626 is cross-listed with ES 626. Section 001 meets with Section 451.

FIN 702 Real Estate Fund I 1.50

Instructor consent required to register.

FIN 703 Real Estate Fund II 3.00 ADVISORY, ENFORCED

Students in this class are reserved for Finance PhD students.

FIN 900 Special Research 1.00-6.00 ADVISORY

FIN 990 Diss-Precand 1.00-8.00 ADVISORY

FIN 995 Diss-Cand 8.00 ENFORCED

Marketing (MKT)

Marketing Mgmt I 3.00 56.00

This section of MKT 300 is reserved for BBA Sophomores and BBA Juniors.
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This section of MKT 300 is reserved for BBA Sophomores and BBA Juniors.

Section 001 meets with Section 311.

Section 002 meets with Section 312.

Section 003 meets with Section 311. Seats in Section 311 are reserved exclusively for students in the Minor in Business.

Section 004 meets with Section 312. Seats in Section 312 are reserved exclusively for students in the Minor in Business.

Section 005 meets with Section 311. Seats in Section 311 are reserved exclusively for students in the Minor in Business.

Section 006 meets with Section 312. Seats in Section 312 are reserved exclusively for students in the Minor in Business.

Section 001 meets with Section 001. Section 311 is reserved for Minor in Business students.

Section 002 meets with Section 001. Section 312 is reserved for Minor in Business students.

Section 003 meets with Section 001. Section 311 is reserved for Minor in Business students.

Section 004 meets with Section 001. Section 312 is reserved for Minor in Business students.

Section 005 meets with Section 001. Section 311 is reserved for Minor in Business students.

Section 006 meets with Section 001. Section 312 is reserved for Minor in Business students.

Section 001 meets with Section 001. Section 311 is reserved for Minor in Business students.

Section 002 meets with Section 001. Section 312 is reserved for Minor in Business students.

Section 003 meets with Section 001. Section 311 is reserved for Minor in Business students.

Section 004 meets with Section 001. Section 312 is reserved for Minor in Business students.

Section 005 meets with Section 001. Section 311 is reserved for Minor in Business students.

Section 006 meets with Section 001. Section 312 is reserved for Minor in Business students.

Section 001 meets with Section 001. Section 311 is reserved for Minor in Business students.

Section 002 meets with Section 001. Section 312 is reserved for Minor in Business students.

Section 003 meets with Section 001. Section 311 is reserved for Minor in Business students.

Section 004 meets with Section 001. Section 312 is reserved for Minor in Business students.

Section 005 meets with Section 001. Section 311 is reserved for Minor in Business students.

Section 006 meets with Section 001. Section 312 is reserved for Minor in Business students.
MKT 630.451 meets with MKT 630.003.

640 Global Sup Chain Mgt 2.25 ADVISORY
19169 P RW REC 001 W 630-930PM R0220 BUS Anupindi

640 Global Sup Chain Mgt 2.25 ADVISORY
21670 P RW REC 451 W 630-930PM R0220 BUS Anupindi

MKT 640.001 is cross-listed with TO 620.001 and meets with MKT 640.451/TO 620.451.

640 Global Sup Chain Mgt 2.25 ADVISORY
21670 P RW REC 451 W 630-930PM R0220 BUS Anupindi

MKT 640.451 is cross-listed with TO 620.451 and meets with MKT 640.001/TO 620.001.

642 Digital Mkt: App An 2.25
26851 P RW REC 001 MW 1020-1240PM R2230 BUS Manchanda

750 Indep Study Project 1.00-3.00 ADVISORY
I IND + ARR ARR 1.50 ADVISORY

889 Spec Top Mkt (Beh) 1.50 ADVISORY
25262 P R SEM 001 T 1-4PM ARR Krishna

900 Special Research I IND + ARR ARR 1.00-8.00 ADVISORY

362 Digital Mkt: App An 2.25
26851 P RW REC 001 MW 1020-1240PM R2230 BUS Manchanda

Seats in MO 302 Section 001 are reserved for non-Ross undergraduate students of sophomore standing (25+ CTP) and above.

23985 P RW REC 311 TTH 830-10AM R2220 BUS Alexander

MO 455 meets with MO 555. Please contact Betsy Erwin, berwin@umich.edu, for permission to enroll.

468 Thriving at Work 3.00
33407 P RW REC 001 TTH 1130-1PM B1570 BUS Spreitzer, Erwin

Section 001 meets with Section 321. This section is reserved exclusively for Minor in Business and Master of Management students.

Management and Organizations (MO)

302 Pos Lead Peoples&Org 3.00 ENFORCED 122.00
23984 P RW REC 001 TTH 830-10AM R2230 BUS Sandelands

Seats in MO 302 Section 001 are reserved for non-Ross undergraduate students of sophomore standing (25+ CTP) and above.

319 Dev Global Competenc 0.50 ADVISORY
26402 PD REC 001 ARR ARR Walsh

Seats in this class are reserved exclusively for students participating in the Semester Abroad exchange program through Ross Global Initiatives.

321 Leadership in Orgs 3.00
31251 P RW REC 001 MW 1130-1PM B1570 BUS Case

Section 001 meets with Section 311. Seats in Section 311 are reserved exclusively for students in the Minor in Business.

399 Indep Study Project 1.00-3.00 ADVISORY
I IND + 1130-1PM R2240 BUS

415 Intro Mng Human Cpl 3.00
18510 P RW REC 001 TTH 230-4PM R2220 BUS Alexander

Section 001 meets with Section 321.

415 Intro Mng Human Cpl 3.00
25708 P RW REC 321 TTH 230-4PM B1570 BUS Alexander

This section is reserved exclusively for Master of Management and Minor in Business students.

455 POS Foundations 3.00 ADVISORY
23618 PI REC 001 TTH 8-10AM B1570 BUS Dutton, Scimeca

MO 455 meets with MO 555. Please contact Betsy Erwin, berwin@umich.edu, for permission to enroll.

463 Creativity at Work 3.00
22352 P RW REC 001 M 9-12PM B3560 BUS Degraff

MO 463 meets in the Innovatium at 601 East University (Top floor of bank building on Corner of East and South University). This section is reserved exclusively for Master of Management and Minor in Business students.

468 Thriving at Work 3.00
33407 P RW REC 001 TTH 1130-1PM B1570 BUS Spreitzer, Erwin
Given the experiential nature of pedagogy, enrollment in each section will be limited and attendance is mandatory. Registered students must be present from the beginning of the first class session to retain their registration in the class. This course is complementary to BL 510. Students interested in developing strong negotiation skills are encouraged to take both MO 512 and BL 510 in either order.

Registered students must be present from the beginning of the first class session to retain their registration in the class. This course is complementary to BL 510. Students interested in developing strong negotiation skills are encouraged to take both MO 512 and BL 510 in either order.

Registered students must be present from the beginning of the first class session to retain their registration in the class. This course is complementary to BL 510. Students interested in developing strong negotiation skills are encouraged to take both MO 512 and BL 510 in either order.

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MO 555 meets with MO 455. Students should reach out to Betsy Erwin, berwin@umich.edu, to be considered for enrollment.

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MO 615.001 meets with MO 615.451. 2018: The Sunday class will be held in the Colloquium on the sixth floor of the Ross building.

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Section 001 meets with Section 451. Section 451 is reserved for Evening MBA students.

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**Strategy (STRATEGY)**

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**Compet Glob Bus Env**

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**International Mgmt**

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Section 311 meets with Section 001. Seats in Section 311 are reserved for Minor in Business seniors.

**Compet Glob Bus Env**

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Section 005 is combined with Section 453.

**Doing Internati Bus**

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Registration for STRATEGY 520 requires approval through the Ross Global Initiatives office.

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Corporate Strategy in China

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Australia/New Zealand

Registration for STRATEGY 320 requires approval through the Ross Global Initiatives office.

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Section 311 meets with Section 001. Seats in Section 311 are reserved for Minor in Business seniors.

**International Mgmt**

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Section 311 meets with Section 001. Seats in Section 311 are reserved for Minor in Business seniors.

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**Doing Internati Bus**

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| 558   | World Economy                | 1.50 |        |        |
| 23969 | P RW REC 001                | T    | 10-1130AM | R1240 BUS Siegel |
| 25379 | P RW REC 001                | T    | 1-230PM  | R1240 BUS |

Seats in this course are reserved for students in the Master of Management program.

| 601   | Corporate Strategy          | 3.00 | ENFORCED | 58.00 |
| 25721 | P RW REC 451                | TH   | 630-930PM | R2230 BUS Nagarajan |
| 25827 | P RW REC 451                | TH   | 1020-1240PM | R1240 BUS Killaly |

Section 001 meets with Section 451.

| 609   | Health Care Strategy        | 2.25 | ADVISORY |        |
| 28169 | P RW REC 001                | TTH  | 1020-1240PM | R1240 BUS Killaly |

Section 001 meets with Section 451.

| 623   | Global Strategy             | 2.25 | ADVISORY | 49.00 |
| 21689 | P RW REC 001                | TTH  | 8-1020AM  | B1560 BUS Nguyen-Chyung |

Section 002 meets with Section 451.

| 681   | Strat Mgt Alliances         | 2.25 | ADVISORY |        |
| 19033 | P RW REC 001                | MW   | 1020-1240PM | R2220 BUS Jensen |

Section 001 meets with Section 451.

| 682   | Merg,Acq&Corp Dev           | 2.25 | ADVISORY |        |
| 20293 | P RW REC 003                | ARR  | ARR     |        |
| 34981 | P W REC 004                 | FSA  | 850-450PM | R2230 BUS Karnani |

Entry in this class will not be based on waitlist order.

| 750   | Indep Study Project         | 1.00 | 3.00     |        |
| 20294 | P RW REC 451                | ARR  | ARR     |        |

Boundaries of the Firm.

| 900   | Doctoral Research           | 1.00 | 6.00     |        |
| 990   | Diss-Precand                | 1.00 | 8.00     |        |
| 995   | Diss-Cand                   | 8.00 | ENFORCED |        |

Technology and Operations (TO)

| 300   | Bus Info Systems            | 1.50 |        |        |
| 19022 | P RW REC 001                | MW   | 4-530PM  | R2210 BUS Pandiarajan |
| 19023 | P RW REC 002                | MW   | 10-1130AM | R2240 BUS Melville |
| 19024 | P RW REC 004                | MW   | 1-230PM  | R2240 BUS Melville |
| 19025 | P RW REC 004                | MW   | 230-4PM  | R2240 BUS Melville |

| 302   | Managing Bus Ops            | 3.00 | ENFORCED | 93.00 |
| 26858 | P RW REC 001                | TTH  | 10-1130AM | R0210 BUS Zhang |

Section 001 meets with Section 311.

| 399   | Independent Study           | 1.00 | 3.00     |        |
| 29531 | P RW REC 001                | MW   | 830-10AM  | R0320 BUS Kumar |

Section 001 meets with Section 311. Non-Ross students interested in taking TO 411 should reach out to the instructor for permission to enroll.

| 411   | Support With Excel          | 3.00 | ENFORCED |        |
| 25096 | P RW REC 001                | MW   | 1130-1PM  | R0320 BUS Kumar |

Non-Ross students interested in taking TO 411 should reach out to the instructor for permission to enroll.

| 31496 | P RW REC 311                | MW   | 830-10AM  | R0320 BUS Kumar |

Non-Ross students interested in taking TO 411 should reach out to the instructor for permission to enroll.

| 31496 | P RW REC 311                | MW   | 1130-1PM  | R0320 BUS Etzion |

Section 001 meets with Section 311. Seats in Section 311 are reserved exclusively for Business Minor students.

<p>| 32096 | P RW REC 322                | MW   | 1130-1PM  | R0320 BUS Kumar |
| 32098 | P RW REC 323                | MW   | 230-4PM   | R0320 BUS Kumar |</p>
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Non-Ross students interested in taking TO 414 should reach out to the instructor for permission to enroll.

Section for Master of Management students only.

2018: Section 001 meets with Section 331.
Section 002 meets with Section 332.

Section 001 meets with Section 001 in BLAU1560. Seats in this section are reserved exclusively for Master of Management students.

Section 001 meets with Section 002 in BLAU1560. Seats in this section are reserved exclusively for Master of Management students.

428 FinTech Innovations 3.00 ADVISORY

25748  P RW REC 001 | TTH | 230-4PM | R0210 BUS | Kumar |

Section 002 meets with Section 332.

Section 001 meets with Section 002 in BLAU1560. Seats in this section are reserved exclusively for Master of Management students.

465 Bus Syst Consulting 3.00 ADVISORY

25749  P RW REC 001 | TTH | 230-4PM | R0210 BUS | Kumar |

TO 548 meets with IOE 548 and ARTDES 416. Ross students should register for BOTH TO 548 and IOE 548 for a total of 6 credit hours.

501 Appl Bus Stat 3.00 ADVISORY, ENFORCED

10365  P RW LEC 451 | W | 630-930PM | R2240 BUS | Lenk |

512  Decsn Support Srdsh 1.50 ENFORCED

25749  P RW REC 001 | TTH | 230-4PM | R0210 BUS | Kumar |

513  Applic Devt Srdsh 1.50 ADVISORY, ENFORCED

17185  P RW REC 001 | TTH | 1-230PM | R0210 BUS | Mendez |

515 VBA for Excel 2.25 ADVISORY, ENFORCED

31281  P RW REC 001 | TTH | 210-430PM | R0320 BUS | Etzion |

518 Linear Pro I 3.00 ADVISORY

10366  P RW LEC 001 | MW | 9-1030AM | 1680 IOE | Nagarajan |

548 Integ Product Dev 3.00 ADVISORY

25385  P RW REC 001 | W | 6-9PM | B1570 BUS | Svaaan |

549 Integ Product Dev 3.00 ADVISORY

23961  P RW REC 001 | T | 6-9PM | R0240 BUS | Chestnut |

552 Operations Mgmt 2.25 ENFORCED 100.00

17179  P RW REC 001 | MW | 8-1020AM | R0210 BUS | Beil |

558 Operations Mgmt 2.25 100.00

23961  P RW REC 001 | MW | 8-1020AM | R0240 BUS | Chestnut |

This course is reserved for students in the Master of Management program.

560 Sustainable Ops&SC 1.50 ADVISORY

33412  P RW REC 001 | MW | 630-930PM | R1220 BUS | Anupindi |

595 Applied Bus Stat 2.25 ADVISORY

17372  P RW REC 001 | T | 630-930PM | ARR | Ahr |

This course is reserved for Global MBA students only.

605 Mfg&Supply Ops 1.50

19809  P RW REC 001 | T | 630-930PM | R2220 BUS | Kapuscinski |

616 Project Management 1.50 ADVISORY 95.00

19031  P RW REC 001 | T | 630-930PM | R1230 BUS | Svaan |

618 Appl Bus Analytics 3.00

19959  P RW REC 001 | TH | 210-510PM | B3560 BUS | Oedegaard |

26863  P RW REC 002 | TH | 6-9PM | B3560 BUS | Oedegaard |
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Seats in this course are reserved exclusively for WMBA students.
## Social Work

### School Of Social Work

#### Social Work (SW)

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This is the foundation course for undergrads minoring in Community Action and Social Change (CASC). Undergraduate credit only. MSW students should not be enrolling in this course.

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This interdisciplinary performance course meets with RCHUMS 334-007. This should be available for registration by early December.

Enrollment is not permitted in this section. Select another section.

This section will meet with section 008.

This section will meet with section 003 in the same classroom as 003.

Concurrent enrollment in SW 515 is expected.

The first class session will meet in room B780.

The first class session will meet in room B780.

The first class session will meet in room B780.
Concurrent enrollment in SW 515 is expected.

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This section will be taught as hybrid course which means that sometimes you will have a combination of web-based class sessions and face to face class sessions. Please consider this when choosing a section in which to enroll.

This section will meet in person, in class on the following dates: Jan 8, 29, Feb 12, Mar 12, Apr 16.

The course description can be found at: https://pharmacy.umich.edu/service.

Note that permission is required to register for this course. Pharmacy 503, PubHlth 503, and Social Work 573, Kines 581, and MoveSci 481 are cross listed courses. If you would like to register, please send a request (including your student ID#) to: ServiceForHealth@umich.edu.

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The course description can be found at: https://pharmacy.umich.edu/service.

Note that permission is required to register for this course. Pharmacy 503, PubHlth 503, and Social Work 573, Kines 581, and MoveSci 481 are cross listed courses. If you would like to register, please send a request (including your student ID#) to: ServiceForHealth@umich.edu.

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### Issues Globl SW Prac
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- **INSTRUCTOR:** Lopez

Restricted to MSW students going abroad in the spring/summer.

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U of M Schedule of Classes Page 443 of 452

WN 2018 2170 12-18-2017 12:12 20249727
This section of SW 670 will be focused on the acquisition of concrete applicable skills in R, Tableau and QGIS. Course focus will be on learning the steps of data cleaning and preparation, conducting simple analyses, and creating maps and visualizations suitable for posting on the web, including in a report or other document. Data will be obtained from diverse and relevant sources.

**THERE WILL BE SOME LEARNING, AND APPLICATION OF, R CODE, AND CODING, THROUGHOUT THE SEMESTER.**
we buy it, and who has access to it has profound effects on human health, economies, and the environment. The current US food system, which delivers abundant, "cheap" and "safe" food to millions of people has embedded in it practices, policies, and outcomes that are not sustainable or desirable at a societal level. From water shortages and tainted drinking water to diet-related diseases and environmental costs, sustainability in food systems is critical to communities, nations, and our species.

This course will focus on one particular problem: how to enhance local (or regional) production, sale and consumption of fruits and vegetables within the United States, with a particular focus on Michigan and the Great Lakes region. Classes will primarily operate as discovery sessions with industry, governmental, and academic experts. The course culminates with students creating, and presenting to a team of experts and/or stakeholders, a business or operational plan proposing their solution.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Students may apply for the course by submitting the required application materials to the PSI registration site (https://problemsolving.law.umich.edu/) between October 23, 2017, and November 3, 2017.

### Class # 741 Interdisc Prob Solv
- **Code**: 33207
- **Time**: 3-4PM
- **Location**: 1060 LSSH
- **Instructor**: Uhlmann, Saigal, Hines Jr
- **Fee**: 3.00 ADVISORY

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Meeting renewable portfolios standards and expanding renewable energy markets requires overcoming numerous technological, societal, and legal hurdles. In this course, students will briefly examine these and the myriad of other challenges facing renewable energy markets and then generate solutions to address one of those challenges.

Renewable energy offers the promise of energy security and reduced greenhouse gas emissions that are critical to climate change mitigation efforts in the United States and throughout the world. Twenty-nine states and the District of Columbia impose minimum renewable energy standards on their utilities' generation portfolios; eight states have renewable energy goals. The most ambitious standard is in Hawaii, which seeks to meet 100 percent of its energy needs from renewable sources by 2045, followed by Vermont (75 percent by 2032), California (50 percent by 2030), and the District of Columbia (50 percent by 2032). In Michigan, the renewable portfolio standard will be 15 percent in 2021.

Challenges facing renewable energy markets include an antiquated electricity transmission network geared to local generation and distribution that does not readily accommodate transmission of renewable energy from states where there is abundant supply to population centers; management of the electricity grid to provide stability in the face of the intermittent nature of renewable energy at limited scale; having sufficient storage capacity for renewable energy so that electricity is available at peak periods of demand; and ensuring price competitiveness of renewable energy through a combination of monetary and fiscal policy, while avoiding regressive impacts and geographical cost disparities. Addressing these challenges will require modification to existing laws and regulations.

Classes will include discovery sessions with industry, governmental, and academic experts. At the end of the term, students will present an integrated proposal to an expert review panel.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Students may apply for the course by submitting the required application materials to the PSI registration site (https://problemsolving.law.umich.edu/) between October 23, 2017, and November 3, 2017.

### Class # 741 Interdisc Prob Solv
- **Code**: 33213
- **Time**: 315-415PM
- **Location**: 1025 LSSH
- **Instructor**: Thompson, Price
- **Fee**: 3.00 ADVISORY

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). Meeting renewable portfolios standards and expanding renewable energy markets requires overcoming numerous technological, societal, and legal hurdles. In this course, students will briefly examine these and the myriad of other challenges facing renewable energy markets and then generate solutions to address one of those challenges.

Renewable energy offers the promise of energy security and reduced greenhouse gas emissions that are critical to climate change mitigation efforts in the United States and throughout the world. Twenty-nine states and the District of Columbia impose minimum renewable energy standards on their utilities' generation portfolios; eight states have renewable energy goals. The most ambitious standard is in Hawaii, which seeks to meet 100 percent of its energy needs from renewable sources by 2045, followed by Vermont (75 percent by 2032), California (50 percent by 2030), and the District of Columbia (50 percent by 2032). In Michigan, the renewable portfolio standard will be 15 percent in 2021.

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Classes will include discovery sessions with industry, governmental, and academic experts. At the end of the term, students will present an integrated proposal to an expert review panel.

This is a prof pick class and is open to all University of Michigan graduate and professional students. Please note: Non-Law students are responsible for checking with their own schools, colleges, or units to learn if a PSI class will count toward graduation or other departmental requirements.

Students may apply for the course by submitting the required application materials to the PSI registration site (https://problemsolving.law.umich.edu/) between October 23, 2017, and November 3, 2017.

### Class # 790 Adv Topics in IP
- **Code**: 18940
- **Time**: 9-5PM
- **Location**: B798 SSWB
- **Instructor**: Ribaudo
- **Fee**: 1.00

Theory & Prac Infant Mntl Hlth

For specific topic description go to the School of Social Work website.
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For specific topic description go to the School of Social Work web site.
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Students must be at the doctoral level to enroll in this class. Those with less than doctoral standing must seek permission of the course instructor. If the instructor approves the student must also submit a Course Enrollment Petition via the School of Social Work web site.
Stamps School of Art & Design
School Of Art And Design

Art and Design Study Abroad (ADABRD)

Course Description
Traditional cooking methods in Sub-Saharan Africa are typically inefficient. Basic, hand built cook stoves can reduce firewood use by 50% improving forest health and reducing girl chores. Eco-Explorers will meet once a week during winter term in preparation for a 3 week June Design Build trip in Tanzania. Language and cultural preparation, test stove design build and design process documentation will be completed prior to the field component. The June trip will include a study tour to major wildlife park areas of Tanzania, a project site visit to a Peace Corps Volunteer and 2 weeks living with Masai families during the design / build process. Enrollment by application / permission of instructor.

392 Shigaraki Extension 2.00
22316 PDR LAB 601 ARR ARR Trumpey

Art for Social Change in Japan

Course Description
This course will explore the nature and perception of physical and mental disability in our society and the role that art can play in improving the lives of individuals. We will examine numerous issues through classroom lectures and workshops, and will gain greater understanding of work and education opportunities for people with disabilities through fieldtrips (Detroit, Ann Arbor Center for Independent Living, Work Skills Corporation). The early part of this course during the winter term in Ann Arbor will lay the groundwork for the second part of the course, a one-month trip to Japan for field studies.

Art and Design (ARTDES)

Course Description
Traditional cooking methods in Sub-Saharan Africa are typically inefficient. Basic, hand built cook stoves can reduce firewood use by 50% improving forest health and reducing girl chores. Eco-Explorers will meet once a week during winter term in preparation for a 3 week June Design Build trip in Tanzania. Language and cultural preparation, test stove design build and design process documentation will be completed prior to the field component. The June trip will include a study tour to major wildlife park areas of Tanzania, a project site visit to a Peace Corps Volunteer and 2 weeks living with Masai families during the design / build process. Enrollment by application / permission of instructor.
115  Studio: 2D  
23570 P RW LAB 005 MW 130-430PM 2063 A&AB Deva  
23572 P RW LAB 007 TTH 830-1130AM 2063 A&AB Burgard  
23573 P RW LAB 008 TTH 130-430PM 2062 A&AB Barry  
32451 P RW LAB 011 MW 6-9PM 2043 A&AB Beals  
23574 A LEC 001 M 1230-130PM 2104 A&AB  
23575 P RW LAB 002 MW 9-1130AM 2126 A&AB Frelinghuysen  
23576 P RW LAB 003 MW 9-1130AM 2114 A&AB White  
23577 P RW LAB 004 MW 6-830PM 2062 A&AB White  
23578 P RW LAB 005 F 1-330PM 2114 A&AB  
23579 P RW LAB 006 MW 2-430PM 2147 A&AB Kumao  
23580 P RW LAB 007 TT 9-1130AM 2147 A&AB Manos  
23581 P RW LAB 008 TT 9-1130AM 2114 A&AB Frelinghuysen  
32453 P RW LAB 011 MW 2-430PM 2126 A&AB Manos

120  Studio: 3D  
25272 P RW LAB 001 MW 6-9PM 2043 A&AB Holoweski  
25273 P RW LAB 002 TTH 830-1130AM 1258 A&AB Andersen  
125  Studio: 4D  
25274 P RW LAB 010 TTH 2-430PM 2044 A&AB Chung  
32454 P RW LAB 001 MW 6-9PM 1108 A&AB Beattie

129  First Year Writing  
28773 P RW REC 001 MW 530-7PM 2455 MH Shapiro  
32456 P RW REC 002 MW 530-7PM 2216 A&AB Hirsch  

130  Methods of Inquiry  
19338 P RW LAB 001 MW 830-1130AM 2043 A&AB Sosa-Tzec  
19339 P RW LAB 002 W 1230-130PM 2043 A&AB Park  
21183 P RW LAB 003 MW 130-430PM 2126 A&AB Sosa-Tzec  
19340 P RW LAB 004 W 1230-130PM 2057 A&AB Hatt  
19341 P RW LAB 005 TT 830-1130AM 2044 A&AB Coskun  
19342 P RW LAB 006 TT 830-1130AM 2216 A&AB Greene  
19343 P RW LAB 007 TT 130-430PM 2216 A&AB Jacobson  
19344 P RW LAB 008 TT 130-430PM 2057 A&AB Murdoch-Kitt  
25278 P RW LAB 009 TT 130-430PM ARR  
26036 P RW LAB 010 MW 6-9PM 1108 A&AB Beattie

151  Art & Design History  
24536 A LEC 001 TT 1130-1230PM STAMPS Funkenstein  
24537 P RW DIS 002 W 1130-1230PM 2147 A&AB Barry  
24538 P RW DIS 003 W 1130-1230PM 2126 A&AB Barry  
24539 P RW DIS 004 W 1130-1230PM 2126 A&AB Thompson  
24540 P RW DIS 005 W 1230-130PM 2126 A&AB Thompson  
24541 P RW DIS 006 W 1230-130PM 2043 A&AB Hatt  
24542 P RW DIS 007 W 1230-130PM 2043 A&AB Hatt  
24543 P RW DIS 008 T 1230-130PM 2126 A&AB Hatt  
24544 P RW DIS 009 T 1230-130PM 2040 A&AB Funkenstein  
26052 P RW DIS 010 T 1230-130PM 2147 A&AB Thompson  
26053 P RW DIS 011 TH 1230-130PM 2126 A&AB Thompson

160  Lecture Series I  
21989 P R LEC 001 TH 5-630PM ARR  
19981 P R LAB 001 TTH 6-9PM 2094 A&AB Venturelli  
28823 P R LAB 002 MW 2-5PM 2094 A&AB Brienza  
172  Painting  
19981 P R LAB 001 TTH 6-9PM 2094 A&AB Venturelli  
28823 P R LAB 002 MW 2-5PM 2094 A&AB Brienza  

173  Digital Photo  
22680 P R LAB 001 TT 5-8PM 2126 A&AB Steichmann  

174  Watercolor  
24246 P R LAB 001 TH 6-9PM 2063 A&AB Brienza  

175  Life Drawing  
22681 P R LAB 001 MW 6-9PM 2058 A&AB Venturelli  

176  Graphic Design  
22682 P R LAB 001 TTH 6-9PM 2030 A&AB Cardinal  
26040 P R LAB 002 MW 6-9PM 2030 A&AB McGowan  

180  Textile Design  
33600 P R LAB 001 TH 830-11AM 1068 A&AB Cuppetelli  

181  Clay  
20032 P R LAB 001 TH 6-9PM 1269 A&AB Teague  

190  Photoshop  
24520 P RW REC 001 MW 5-630PM 3356 MH  
24521 P RW REC 002 MW 5-630PM 3356 MH  

Course Description
Through intensive studio sessions, this course focuses on drawing from the live model, both clothed and unclothed. Students investigate ways the figure is used and referenced in the work of contemporary artists and explore strategies for using the figure in drawings that are creative and expressive in nature. The goals of this course include gaining an understanding of the role of the figure in the history of art, improving drawing skills, and exploring unique methods of personal expression through the use of the figure in drawing.

176  Graphic Design  
22682 P R LAB 001 TTH 6-9PM 2030 A&AB Cardinal  
26040 P R LAB 002 MW 6-9PM 2030 A&AB McGowan  

180  Textile Design  
33600 P R LAB 001 TH 830-11AM 1068 A&AB Cuppetelli  

181  Clay  
20032 P R LAB 001 TTH 6-9PM 1269 A&AB Teague  

190  Photoshop  
24520 P RW REC 001 MW 5-630PM 3356 MH  
24521 P RW REC 002 MW 5-630PM 3356 MH  

Editing Images  
36393 P REC 003 MW 630-8PM ARR  
36394 P REC 004 MW 630-8PM ARR
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### Interarts Performance (INTPERF)

| 160  | INTPERF Forum                | PD   | LAB | 001 | W    | 12-1PM       | 2023 A&AB | 1.00|        | White               | 175.00  |