# Architecture & Urban Planning
## College of Architecture & Urban Planning
### Architecture (ARCH) Open Sections

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Please do not schedule any course between 1:00pm and 4:00pm. You will be placed in a discussion section at the beginning of the fall term.

Please do not schedule any courses between 1:00pm and 4:00pm on Thursdays. You will be placed in a discussion section during the first week of classes.

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# Dental Hygiene

## Dental Hygiene-Dentistry

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# Dentistry

## School Of Dentistry

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U of M Open Classes Only Schedule of Classes  Page 7 of 308  FA 2018 2210 07-30-2018 02:07 20700154
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Education

--MOST SCHOOL OF EDUCATION COURSES ARE LISTED UNDER EDUCATION. SOME ADDITIONAL COURSES ARE LISTED UNDER EDUCATION C AND D.
--UNDERGRADUATE STUDENTS MUST HAVE ACHIEVED 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 PERMISSION (OVERRIDES) ARE AVAILABLE IN 1033 SEB (734-764-7563).

School Of Education

Education C Behavioral Sciences In Education (EDBEHAVR) Open Sections

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Crosslisted with Psych 861-001.

Education D Curriculum and Instruction (EDCURINS) Open Sections

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Education (EDUC) Open Sections

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For permission contact lynnch@umich.edu

3rd Semester Elem students only (Cohort 1.)  Year 2.

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For permission contact lynnch@umich.edu
3rd semester Elem students only (Cohort 2.) Year 2.

307 Practicum
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1.00-2.00 ADVISORY
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307 Practicum
23435 P R LAB 006 W 8-12PM ARR Blunk
1.00-2.00 ADVISORY
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Sec MAC and undergraduate WORLD LANG students only. If fieldwork days (T/Th) cause schedule restrictions, please contact Maria Coolican at mariajc@umich.edu.

For 2nd year A2LP students. Pre-req EDUC 425 and 426/428. Meets with EDUC 425-001.

Required for all Secondary TE students who have a Social Studies minor/secondary major not enrolled in EDUC 432.

Crosslisted with MENAS 461-001.

Crosslisted with MENAS 462-001.

Crosslisted with MENAS 463-001.

This is the lab section for students registered in EDUC 547-002. Lab is for certification students only.

Sec MAC and undergraduate ENGLISH cohort students only.

For Elmac 21 students only. Class meets four times 11/5/18 thru 11/26/18.

For Elmac 21 students only. Class meets on six occasions: 10/18/18, 10/25/18, 11/8/18, 11/15/18, 11/29/18 and 12/6/18.

For Elmac 21 students only. Class meets on six occasions: 10/18/18, 10/25/18, 11/8/18, 11/15/18, 11/29/18 and 12/6/18.

This is the lab section for students registered in EDUC 547-002. Lab is for certification students only.

Secondary MAC Cohort 1 (Maize) students. Course meets on six occasions: 10/18/18, 10/25/18, 11/8/18, 11/15/18, 11/29/18 and 12/6/18.

Secondary MAC Cohort 2 (Blue) students. Course meets on six occasions: 10/18/18, 10/25/18, 11/8/18, 11/15/18,
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<td>Remarks: Meets with History 595-005.</td>
<td>Remarks: Meets with EDUC 360-002. Please contact <a href="mailto:katielsc@umich.edu">katielsc@umich.edu</a> for registration questions.</td>
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<td>Remarks: For ES MA LEADPOL students. LPAC students can enroll with permission of instructor.</td>
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Prereq: Doctoral or 2nd Year MA Standing (w/EDUC 561 and instructor consent)
This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The class will use the experience of the so-called Islamic State in Iraq and Syria (ISIS) to develop a plan for countering the ways in which extremist groups use social media to instigate acts of violence. The class structure will be collaborative and multidisciplinary. Class time will focus on providing background information on, and discussion about, the problem. Students will spend additional time outside of class meeting in groups, thinking through the problem, and doing research in the service of the final class project, which they will present at the end of the semester 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 February 23, 2018, and March 16, 2018.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). This course will challenge students to develop creative approaches to reducing the risk of brain injury in youth and high school football. Students will work in multi-disciplinary teams, under the guidance of the instructors, to conceive and propose novel solutions that draw on insights from law, engineering, medicine, business, ethics, and other relevant fields. Each student team will address a specific sub-topic relative to the course theme. Sub-topics may include: What changes in the rules governing practices, participation, and play should such equipment be financed and distributed?

Class time will focus on providing background information and discussion with topical experts. Students are expected to spend additional time outside of class contacting experts and researching scientific and lay materials. At the end of the term, students will present a 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). We are facing what might be described as a failure or crisis of public trust in sources of truth about matters of fact. Public actors lie and accuse each other of lying. Media outlets present competing information on, and discussion about, the problem. We will draw in insights from a range of inter-connected fields, including (but not limited to): psychology, communications, journalism, social media, information, computer science, law, and history. At the end of the term, students will present a proposal to an expert 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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# Engineering

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## Aerospace Engineering (AEROSP) Open Sections

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Please contact the instructor for consent to enroll (cesnik@umich.edu)

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BME Grad Innov Design Team I

PLEASE NOTE that this year-long (Fall and Winter) class is required for the Medical Product Development concentration.

- BME Grad Innov Design Team I
- Systems Biology of Human Disease

**Please note this is a 3 credit hour course.**

Cross listed with Psych 808.005.
### Chemical Engineering Department

#### Chemical Engineering (CHE) Open Sections

-- MANY COLLEGE OF ENGINEERING COURSES REQUIRE STUDENTS NOT ENROLLED IN BUSINESS ADMINISTRATION OR ENGINEERING (INCLUDING CCS MAJORS) TO PAY A $115-207 COMPUTER USER FEE. THIS IS A SPECIAL FEE, TO BE PAID ONLY ONCE EACH TERM, AND IS IN ADDITION TO THE INFORMATION TECHNOLOGY ACCESS FEE PAID BY FULL TIME STUDENTS AS PART OF THEIR REGULAR FEE ASSESSMENT. YOU WILL BE INFORMED ON THE FIRST DAY OF CLASS WHETHER OR NOT YOUR CLASS IS SUBJECT TO THIS FEE.

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Undergraduate Degree in Chemical Engineering or permission of instructor
### Civil & Environmental Engr

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#### Business Water Risk

Business Water Risk: Ripple Effects from Watersheds to the Capital Markets

This 7-week course presents an overview of how water has impacted risks to businesses and their supply chains, and how corporate financial managers and institutional investors are starting to incorporate risks in their accounting and asset allocations. Corporate water risk exposure is a function of three variables: 1) company/sector-specific characteristics (e.g. water intensity of production), 2) the water conditions in particular geographies (e.g. drought-prone or strictly regulated), and 3) the strength of corporate management (e.g. proactive vs. reactive) in mitigating risks. The challenge is how the information from the physical world is translated in the financial world, and vice versa. It is often perceived that the proper risk management strategy for water in a corporate context is technology-based (new supply, recycling, monitoring, etc.). The course will describe how capital commitments for technology and infrastructure are often a last resort, because they are expensive, long-term, and often their cost cannot be passed on to the consumer. Short-term, financial risk management is preferred, such as hedging and insurance strategies. This course will explore corporate water risk and financial response strategies, and discuss commercial tools available to sustainability, corporate and financial managers. This include corporate water footprinting, regional asset risk mapping (Aqueduct), corporate operational risk assessment (Water Risk Monetizer), and financial asset risk signaling (WaterBeta).

| 26269 | P LEC 028 T  | 230-330PM | 1045 GGBL | Ioannou | 16 | Y |
| 29534 | P SEM 850 TH | 3-4PM     | ARR       | Masoud  | 17 | Y |
| 32324 | P LEC 930 F  | 12-4PM    | ARR       | Lee     | 24 | Y |
| 510   | Fem Sol & Str  | 1.00-4.00| ADVISORY |         | 21 | Y |
| 511   | Dynamics of Struct | 3.00| ADVISORY |         | 32 | Y |
Environmental Finance

Environmental Finance: Financial Innovations for Green Growth
Environmental Markets, Sustainable Investment, and Financial Technology.
This course will review innovations in processes, investment mandates and financial basics of the key pillars of
Environmental Finance across all asset classes and investment vehicles. It will examine how established practices,
procedures and tools from within the mainstream financial market are being adapted to integrate ESG criteria, in
the pursuit of financial performance goals from both an investor and corporate perspective. The course will further
explore how new entrepreneurial ventures are starting to disrupt the environmental finance environment.
## CoE Robotics Institute

### Robotics (ROB) Open Sections

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To request an override, a student must enter the waitlist (if the system allows) and add their name to the ROB 550 Waitlist form: [https://goo.gl/forms/9DPPQnDZRZTGw61R2](https://goo.gl/forms/9DPPQnDZRZTGw61R2)

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Design Science Program

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## EER-Engineering Education Research

**Engineering Education Research (EER) Open Sections**

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*U of M Open Classes Only Schedule of Classes*
### Environmental Sciences and Engineering (ENSCEN) Open Sections

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Environmental Finance
## Electrical Engr & Computer Sci

**Electrical Engineering And Computer Science (EECS) Open Sections**

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

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STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

| 10371| S LEC 001 TTH              | 8:30-10AM| 1755 SPH1| Kloosterman |
| 31704| S LEC 002 TTH              | 11:30-1PM| 1755 SPH1| Kloosterman |

STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

| 22843| S LEC 005 TTH             | 4-530PM| 1800 CHEM| Garcia-Ramirez |

### 203 Discrete Math

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STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

| 31704| S R DIS 013 TH           | 4-530PM| 3150 DOW |

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### 216 Intro Signals&Syst

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### 230 Engineering EM

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Students must elect lecture, discussion and lab. Students in LEC 001 must register for DIS 011.

| 32023| A R LEC 001 TTH          | 1030-12PM| 1200 EECs | Rand    |
| 32405| S R DIS 011 F            | 1030-1130AM| 1200 EECs |  |
| 32407| S R DIS 021 F            | 1130-1230PM| 1303 EECs |  |

### 270 Intro Logic Design

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

| 16770| A R LEC 001 MW          | 1030-12PM| 1013 DOW | Mazummer, Smith |

### 280 Prog&Data Struct

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STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

21354 | S R LEC 001 | MW | 9-1030AM | 1013 DOW | Hamilton |

STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

26224 | S R LEC 005 | MW | 4-530PM | 1210 CHEM | DeOrio |

281 Data Struct&Algor 4.00 | ENFORCED |

STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

29393 | P R LAB 038 | F | 230-430PM | 1680 IOE | Y | 27 |

22850 | P R DIS 011 | F | 1030-1130AM | 1018 DOW | Y | 4 |

311 Analog Circuits 4.00 | ENFORCED |

STUDENTS MUST ELECT DISCUSSION AND LECTURE SECTIONS.

10385 | S R LEC 002 | MW | 130-3PM | STAMPS DeOrio |

285 Preg Lab or Sys 2.00 | ADVISORY |

301 Probabil Mthd in Eng 4.00 | ADVISORY |

10390 | P R LAB 012 | T | 6-9PM | 3427 EECS | Stark |

312 Digit Integrat Circ 4.00 | ENFORCED |

10391 | A R LEC 001 | MW | 130-3PM | 1200 EECS | Flynn |

314 Elec Ckts, Sys&Appl 4.00 | ENFORCED |

10392 | A R LEC 001 | MW | 12-130PM | 1005 DOW | Pilanci |

330 Intro to Ants 4.00 | ENFORCED |

344 Prin of Optics 4.00 | ENFORCED |

351 Intro Dig Sig Proc 4.00 | ENFORCED |

376 Foundations Comp Sci 4.00 | ENFORCED |

388 Intro Comp Security 4.00 | ADVISORY, ENFORCED |

U of M Open Classes Only Schedule of Classes Page 35 of 308 FA 2018 2210 07-30-2018 02:07 20700154
**Directed Study**

**Course Title:** Directed Study

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**M-Wave Circ I**

**Course Title:** M-Wave Circ I

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**Intro to MEMS**

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**Power Electronics**

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**Directed Study**

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**Sol State Dev Lab**

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**Quant Nano Tech**

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**Computer Vision**

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**Wireless Comm Sys**

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**Adv Algorithms**

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**Autonomous Robotics**

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**Database Mgt Syst**

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**Web Systems**

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STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION. When the class is full, to request an override, a waitlisted student must submit a request to the ECE Override System at https://deptapps.engin.umich.edu/ece/override.

10455 LEC 001 MW 12-130PM 1003 EECS Winick 5 Y

32014 LEC 001 TTH 3-430PM 1017 DOW Lafortune 13 Y

587 Parallel Computing             | 3.00 | ADVISORY | 13 Y |

26221 LAB 011 F 12-1PM 1008 FXB 1 Y

26222 LAB 012 F 230-330PM 1200 EECS 47 Y

STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A LAB. If you are not an EECS graduate student and would like to take this course, you must use the override system here: https://deptapps.engin.umich.edu/cse/override.

10455 LEC 001 MW 12-130PM 1571 GGBL Stout 5 Y

32236 DIS 031 M 5-6PM 3433 EECS Peterson 13 Y

Power Semiconductor Devices

"3 CREDITS for Lec 002 " Prerequisites for Lec 002: (EECS 320 or equivalent) or graduate standing

32236 P LEC 001 MW 12-130PM 1012 EECS Mi 15 Y

Green Photonics

"3 CREDITS for Lec 004 " Prerequisites for Lec 004: EECS 429 or equivalent

32235 A LEC 003 F 1-4PM 1012 EECS Nadakuditi 5 Y

Reinforcement Learning

"3 CREDITS for Lec 006 " Prerequisites for Lec 006: Graduate Standing. If you are unable to register for this class, please use the override system at https://deptapps.engin.umich.edu/cse/override.

28911 LEC 007 MW 9-1030AM 1008 EECS Kushner 41 Y

Plasma Chem & Plasma Surf Interact

"3 CREDITS for Lec 007 " Prerequisites for Lec 007: Familiarity with fundamentals of plasmas and electron collisions in partially ionized gases.

29789 P LEC 008 TH 9-1030AM 1670 BEYSTER Baveja 2 Y

Electromagnetic Metamaterials

"3 CREDITS for Lec 009 " Prerequisites for Lec 009: EECS 330

32489 P LEC 009 MW 1030-12PM 1690 BEYSTER Mao 29 Y

Security challenges for CPS

"3 CREDITS for Lec 009 " Prerequisites for Lec 009: EECS 582 and EECS 591. If you are unable to register for this class, please use the override system at https://deptapps.engin.umich.edu/cse/override.

35221 P LEC 010 TH 230-530PM STAMPS Johnson-Roberson, Vasudevan 181 Y

Self-Driv Cars: Percep and Ctrl

"3 CREDITS for Lec 010 "

35511 P LEC 011 TH 12-130PM 1690 BEYSTER Banovic 16 Y
Computational Modeling in HCI
* 3 CREDITS for Lec 011 * Prerequisites for Lec 011: Programming experience in Java, Python, MATLAB, or R

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Engineering Undergraduate Edu

Engineering (ENGR) Open Sections

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STUDENTS ELECTING DIS (202-206) WILL BE AUTO-ENROLLED IN LEC 200 AND THE CORRESPONDING LAB.

| 22854 | A R LAB 203 F | 2:30-4:30PM | 113 GFL | |
| 33068 | A R LAB 205 F | 1:20-3:30PM | 113 GFL | |
| 10466 | P R DIS 302 TH | 1:30-2:30PM | 1024 FXB | Grimble | 1 | N |
| 10464 | A R LEC 300 TH | 10:30-12:30PM | 133 GHRYS | Hirshfield, Grimble | |

Food Science & Engineering

STUDENTS ELECTING DIS (302-306) WILL BE AUTO-ENROLLED IN LEC 300 AND THE CORRESPONDING LAB.

| 10467 | A R LEC 301 T | 8:30-10:30AM | 224 GFL | Belmont, Sulewski | |
| 33267 | A R LAB 301 T | 2:30-4:30PM | 113 GFL | |

Biotechnology and Human Values

STUDENTS ELECTING DIS (501-504) WILL BE AUTO-ENROLLED IN LEC 500.

| 33268 | P R DIS 501 T | 1:30-2:30PM | 1002 GGBL | Bowden | 11 | N |
| 26534 | P R DIS 504 T | 10:30-11:30AM | 1008 GGBL | Bowden | 12 | N |

Urban Mobility

STUDENTS ELECTING DIS (802-806) WILL BE AUTO-ENROLLED IN LEC 800 AND THE CORRESPONDING LAB.

| 26614 | A R LAB 601 F | 12:30-2:30PM | ARR | Muscat | |
| 33267 | A R LAB 601 F | 2:30-4:30PM | ARR | |

Biotechnology and Human Values

STUDENTS ELECTING DIS (502-503) WILL BE AUTO-ENROLLED IN LEC 503.

| 32846 | A LEC 502 T | 10:30-12:30PM | 224 GFL | Love, Gilleran | |
| 25034 | A LEC 503 T | 9:30-11:30AM | 224 GFL | Love, Gilleran | |

Drinking Water Quality

STUDENTS ELECTING DIS 152 OR 154 WILL BE AUTO-ENROLLED IN LEC 150 AND THE CORRESPONDING LAB.

| 32844 | A LEC 150 MW | 9:30-10:30AM | 1311 EECIS | Hayes, Snyder | |

Self Driving Cars & Drones

STUDENTS ELECTING DIS (412-416) WILL BE AUTO-ENROLLED IN LEC 410 AND THE CORRESPONDING LAB.

| 28767 | P DIS 412 T | 10:30-11:30AM | 107 GFL | Himse-Burcon | 13 | N |
| 28769 | P DIS 416 M | 10:30-11:30AM | 107 GFL | Himse-Burcon | 13 | N |

Gaming for the Greater Good

STUDENTS ELECTING DIS 652 OR 654 WILL BE AUTO-ENROLLED IN LEC 650 AND THE CORRESPONDING LAB. STUDENTS ELECTING DIS 656: CHOOSE ONE OF THE TWO LABS.

| 25039 | A R LAB 651 T | 9:30-10:30AM | 224 GFL | Stamps | |
| 25038 | A R LAB 651 T | 9:30-10:30AM | 224 GFL | Stamps | |

Intro Computers & Programming

STUDENTS ELECTING LAB (010-019) WILL BE AUTO-ENROLLED IN LEC 001.

| 32660 | P R LEC 001 T | 9:30-10:30AM | 1311 EECIS | Armstrong | 5 | N |

Design Your Engr Experience

| 25149 | P R DIS 001 T | 3:30-4:30PM | 224 GFL | Armstrong | 13 | N |

Specific discussion section (101-115) will be assigned by the instructor.

| 29345 | P R DIS 200 T | 2:30-3:30PM | 224 GFL | Armstrong | 24 | N |
| 29346 | P R DIS 300 T | 1:30-2:30PM | 224 GFL | Armstrong | 7 | N |

Design Your Engr Experience

| 17250 | A R LEC 001 T | 9:30-10:30AM | 224 GFL | Armstrong | 16 | N |

Honors Seminar I

| 32660 | P R LEC 001 M | 9:30-10:30AM | 1311 EECIS | Armstrong | 5 | N |

Honors Seminar II

| 32660 | P R LEC 001 M | 9:30-10:30AM | 1311 EECIS | Armstrong | 5 | N |

Multidis Eng Pro I

<p>| 255 | A R LEC 001 T | 9:30-10:30AM | 224 GFL | Armstrong | 16 | N |</p>
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**Please note:** This class meets ONLY on the following dates: September 5, September 26, October 10, October 17, October 24, November 28. Mark your calendars now.

**Global Syn Project**

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**Ambassador/Peer Mentor Program**

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**Spec Topics Engr**

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NG Opioid Project
27265 PI  LEC 113  ARR  ARR  Maldonado  99  N
NG Printing Project
27268 PI  LEC 114  ARR  ARR  Jamin  98  N
ProQuest Geo Project
27269 PI  LEC 115  ARR  ARR  Banu  97  N
Shape Corp Project
27272 PI  LEC 116  ARR  ARR  Miller  97  N
Stryker Project
27273 PI  LEC 117  ARR  ARR  Mozafari  99 N
SUNGARD Project
27274 PI  LEC 118  ARR  ARR  Juett  98  N
Together Chicago Project
27275 PI  LEC 119  ARR  ARR  Hu  95  N
UMTRI Project
27248 PI  LEC 154  ARR  ARR  Anastasopoulos  97  N
Backyard Brains Project
27249 PI  LEC 155  ARR  ARR  Chesney  96  N
Beyster Bluepath Project
27256 PI  LEC 162  ARR  ARR  Hulbert  98  N
GM Transmission Project
27261 PI  LEC 167  ARR  ARR  Nebeling  100  N
JP Morgan Chase Project
27266 PI  LEC 172  ARR  ARR  Wakefield  96  N
Maestro Project
27267 PI  LEC 173  ARR  ARR  Griffin  97 N
MDA Quadcopter Project
27270 PI  LEC 176  ARR  ARR  Hortop  95  N
Procter & Gamble Project
27271 PI  LEC 177  ARR  ARR  Jamin  97  N
ProQuest Drug Safety Project
27277 PI  LEC 183  ARR  ARR  Bell IV  98  N
Toyota Project
27279 PI  LEC 185  ARR  ARR  Arthur  99  N
Union Pacific Project
27230 PI  LEC 186  ARR  ARR  Schwank  98  N
Yanfeng Heatstake Project
25088 PI  LEC 209  ARR  ARR  Sienko  100  N
Global Health Design Proj Team
27281 PI  LEC 222  ARR  ARR  Barton  86  N
Secure Cloud Research Team
27284 PI  LEC 225  ARR  ARR  McKague  79  N
SNL Research Team
27285 PI  LEC 226  ARR  ARR  Gilchrist  79  N
MITEE Research Team
27286 PI  LEC 227  ARR  ARR  Pierce  92  N
Remote Sensing Research Team
27287 PI  LEC 229  ARR  ARR  Dick  88  N
Secure Communication Res Team
27288 PI  LEC 230  ARR  ARR  Kasper  97 N
Space Launch Research Team
27290 PI  LEC 232  ARR  ARR  Ojeda  91  N
Vision Assistance Res Team
27291 PI  LEC 233  ARR  ARR  Shtein  98  N
Kirigami Solar Research Team
27292 PI  LEC 234  ARR  ARR  Dinov  88  N
SOCR Toolbox Research Team
31968 P  LEC 500  ARR  ARR  Skerlos  37  N
Socially Engaged Design Project
600  Eng Practicum Proj  D  IND +  ARR  ARR  1.00-8.00  ADVISORY  25  N

Entrepreneurship (ENTR) Open Sections
390  Spec Topics Entr  2.00-3.00
26230 P  LAB 008  F  1-4PM  ARR  Alexander-Adams, Shtein  2  Y
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.

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.

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

3D Printing/Prototyping

* 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.

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 learn CAD using Autodesk Fusion 360 and how to integrate 3D scan data into your designs. 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.

Intro to Entrepreneurial Des

* 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 390.008 - 010).

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).

E-Commerce Entrepreneurship

* 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 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.
* 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 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.

This course is only available to students enrolled in the TechLab at Mcity Program. Only students who are selected for the TechLab at Mcity Program will be granted permission to enroll. 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.

* 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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It's been shown that diversity drives creativity and innovation, makes teams smarter and more effective, and leads to better outcomes for organizations. Leaders who prioritize inclusivity also know how to leverage talents, skills, and knowledge to make an impact and achieve their goals. Throughout the semester, you will develop the knowledge necessary to create workplaces and communities that value DEI by building on UM's current efforts, and further launch yourself/your entrepreneurial endeavors with a stronger DEI mindset. The skills gained in this course will serve you well as current students and help you be an agent of change in your future careers.

* 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 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.

* 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 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.

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. 

Entrepreneurship 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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Entrepreneurship Hr 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.

Urban 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 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 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. Throughout the course, the city of Detroit is referenced to further explore practices and policy surrounding urban entrepreneurship.

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.

Leadership in Startups
* 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
**Entrepreneurial Action & Vision**

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 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](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.

26786 PI LEC 016 TTH 1-230PM 2750 SPH1 Gibson 14 N

Entrepreneurial Action & Vision

* 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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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.

520 Innov Bus Models 3.00 ENFORCED

28866 P R LEC 001 M 830-1130AM B2560 BUS Crumm 16 Y

Tech-Inspired Business Models

* 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 use a variety of innovation and entrepreneurial tools to identify opportunities, construct a business model, and assess its fundability so you can bring your ideas to life in a sustainable and scalable way.

Learning Objectives: Students taking this class are expected on its completion to be able to: ? Articulate the tangled relationships between four of the nine components of the Business Model Canvas; value proposition, channel, customer segment, and revenue streams. ? Capture a value chain map for a given channel to market. ? Develop an ecosystem map and communicate the fundamental change your innovation will bring to the market. ? Think
strategically about the synergy and tensions between innovation capture and creation across several industry
verticals. Cultivate an ability to tailor technology innovation towards a sustainable business model with modern
day revenue stream tactics.
560 Proj Mgmt Consulting
3.00
32443 P R LEC 001 T 530-830PM 3254 LSA Cell 17 Y
* 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.
*This course was previously offered as ENTR 599.030 Special Topics: Project Management and Consulting.
====
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.
32444 P LEC 002 W 5-8PM 133 CHRYYS Cell 16 Y
* 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.
*This course was previously offered as ENTR 599.020 Special Topics: Project Management and Consulting.
====
In this course, you will come to recognize the unique contribution designers provide as one of several integral
components necessary for a successful venture or team. Because creativity and design intersect the product
development process at many junctures, you will gain valuable insights making you an effective contributor to an
existing venture, startup idea, and future projects. Whether you have a technical or non-technical background,
becoming more knowledgeable about the complexities related to the product design process will help you become a
more collaborative teammate, leader, follower and problem solver.
29042 P R LEC 050 M 5-7PM 224 GFL Bailey 52 Y
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.
====
It’s been shown that diversity drives creativity and innovation, makes teams smarter and more effective, and leads
to better outcomes for organizations. Leaders who prioritize inclusivity also know how to leverage talents, skills,
and knowledge to make an impact and achieve their goals. Throughout the semester, you will develop the knowledge
necessary to create workplaces and communities that value DEI by building on UM's current efforts, and further
launch yourself/your entrepreneurial endeavors with a stronger DEI mindset. The skills gained in this course will
serve you well as current students and help you be an agent of change in your future careers.
University Arts (UARTS) Open Sections
101 Create & Collaborate
21405 P R LAB 003 M 3-430PM ARR 25 N
50.00
150 Int Creative Process
4.00 ENFORCED 60.00
50.00

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## Industrial-Operations Engr Dep

### Industrial And Operations Engineering (IOE) Open Sections

**FIRST 7 WEEK CLASSES BEGIN** DAY **TUESDAY, SEPTEMBER 4** AND **END** **MONDAY, OCTOBER 22, 2018.** **SECOND 7 WEEK CLASSES BEGIN** **WEDNESDAY, OCTOBER 24** AND **END** **TUESDAY, DECEMBER 11, 2018.**

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## Integrative Systems and Design

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This course was offered in previous terms as ENGR 500.059. All registrations for Fall 2013 for that course will automatically be transferred to ISD 520.

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# Program In Manufacturing

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## Materials Science & Engineering

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#### 220 Intro Mat & Man
- **220**
- A R LEC 100 MWF 1130-1230PM AUD CHRYS Sevener
- **25867** A R LEC 300 MWF 830-930AM 1670 BEYSTER Heron

Structure, properties, and processing relationships in engineering materials with applications to biomaterials.

#### 27999 P R DIS 201 TH 1130-1230PM 1014 DOW

#### 27998 A R LEC 200 MWF 130-230PM 224 GFL

#### 280 MSE Ugrad Res Opp
- **280**
- IND + ARR
- **1.00-3.00** ADVISORY

#### 300 Thermo of Matls
- **300**
- Thermo of Matls
- **10604** P R LEC 001 MW 12-130PM 1006 DOW Qi

Labs for MSE 360 are held in the Van Vlack Undergraduate Lab, second floor of the H.H. Dow building

#### 400 EMO Mod Dev Tech
- **400**
- EMO Mod Dev Tech
- **10602** P R LEC 001 TTH 10-1130AM 224 GFL Chambers

MSE 400 is a team-based and project-based, guided-inquiry course. The first introduction to the material is NOT lecture, but rather annotated reading. Class time will consist of team-based active learning activities. There will be three team projects in this course. Homework will be graded for effort and honesty, not accuracy. Learning will be assessed using Readiness Assurance Activities were we average a closed book quiz with a team based, open book, open internet, group effort on the exact same quiz. You can find more about the costs and details of the course on the following website:

http://java.engin.umich.edu/400f18

#### 420 Mech Behavior Matrls
- **420**
- Mech Behavior Matrls
- **14806** P R LEC 001 TTH 230-4PM 1006 DOW Qi

#### 489 Matts Proc Design
- **489**
- Matts Proc Design
- **16688** P R LEC 001 MW 1230-230PM 1006 DOW Qi

#### 510 Materials Chem
- **510**
- Materials Chem
- **15901** P R LEC 001 TTH 830-10AM 1250 USB McCrory

#### 517 Adv Function Poly
- **517**
- Adv Function Poly
- **20468** P R LEC 001 TTH 430-6PM 1216 DOW Kim

#### 532 Adv Therm Matrls
- **532**
- Adv Therm Matrls
- **16221** P R LEC 001 MW 1130-130AM 1670 BEYSTER Heron

#### 555 Mat Energy Conv
- **555**
- Mat Energy Conv
- **35029** P R LEC 001 TTH 3-430PM 1200 EECs Goldman

#### 560 Structure Matrls
- **560**
- Structure Matrls
- **18147** P R LEC 001 MW 3-430PM 3433 EECs Goldman

#### 690 Research Problems
- **690**
- Research Problems
- **18147** P R LEC 001 MW 3-430PM 3433 EECs Goldman

#### 890 Colloq in Mat Sci
- **890**
- Colloq in Mat Sci
- **19401** P R SEM 001 F 1030-1130AM 1571 GGBL Tuteja

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- **995** Diss-Cand

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U of M Open Classes Only Schedule of Classes  page 58 of 308  FA 2018 2210 07-30-2018 02:07 20700154
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Course information and syllabus can be found here: [http://remade.engin.umich.edu/teaching.htm](http://remade.engin.umich.edu/teaching.htm)
Naval Arch & Marine Engr Dept

Naval Architecture And Marine Engineering (NAVARCH) Open Sections

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Nuclear Engineering And Radiological Sciences (NERS) Open Sections

**211 Intro to Nucl Eng**
- CR: 4.00
- Code: 14697
- Time: 9-10AM
- Location: 1303 EECS
- Instructor: Atzmon
- Open Seats: 27

**299 Directed Study NERS**
- CR: 1.00-3.00
- Code: 14696
- Time: IND + ARR
- Location: ARR
- Instructor: ADVISORY
- Open Seats: 25

**311 N & E & Rad Sci I**
- CR: 3.00
- Code: 10620
- Time: 12-1PM
- Location: G906 COOL
- Instructor: Wehe
- Open Seats: 42

**320 Problems in NERS**
- CR: 4.00
- Code: 22978
- Time: 1130-1PM
- Location: 1005 EECS
- Instructor: Larsen
- Open Seats: 18

**420 Problems in NERS**
- CR: 4.00
- Code: 320
- Time: 1030-1130AM
- Location: 1311 EECS
- Instructor: ADVISORY
- Open Seats: 18

**421 Nucl Engr Materials**
- CR: 3.00
- Code: 17237
- Time: 12-130PM
- Location: 1940 COOL
- Instructor: Gao
- Open Seats: 34

**441 Nucl React Theo I**
- CR: 4.00
- Code: 10621
- Time: 1030-12PM
- Location: G906 COOL
- Instructor: Martin
- Open Seats: 38

**484 RHE Fundamentals**
- CR: 4.00
- Code: 10624
- Time: 9-1030AM
- Location: 1940 COOL
- Instructor: ADVISORY
- Open Seats: 52

**515 Nuclear Measure Lab**
- CR: 4.00
- Code: 10627
- Time: IND + ARR
- Location: ARR
- Instructor: ADVISORY
- Open Seats: 24

**535 Det Nucl Non-prof**
- CR: 4.00
- Code: 17774
- Time: 9-1030AM
- Location: 1940 COOL
- Instructor: Pozzi
- Open Seats: 17

**543 Nucl React Theo II**
- CR: 3.00
- Code: 17773
- Time: 9-1030AM
- Location: 2918 COOL
- Instructor: Kiedrowski
- Open Seats: 17

**555 Radiol Phys Dosim**
- CR: 3.00
- Code: 31098
- Time: 230-330PM
- Location: 1940 COOL
- Instructor: Biealajew
- Open Seats: 22

**571 Inter Plas-Phys I**
- CR: 3.00
- Code: 10629
- Time: 330-5PM
- Location: 1940 COOL
- Instructor: Lau
- Open Seats: 23

**588 Rad Safe&Md Phy Prac**
- CR: 1.00-12.00
- Code: 28653
- Time: 4-530PM
- Location: 4425 MSC1
- Instructor: ADVISORY
- Open Seats: 25

**590 Special Topics II**
- CR: 3.00-4.00
- Code: 24818
- Time: 9-1030AM
- Location: 3433 EECS
- Instructor: ADVISORY
- Open Seats: 4

**590 Special Topics II**
- CR: 3.00-4.00
- Code: 24818
- Time: 9-1030AM
- Location: 3433 EECS
- Instructor: Foster
- Open Seats: 4

**Fast Reactor Systems**
- Fast Reactor Systems

This course will discuss the design considerations and analysis methods of fast spectrum reactors. Starting from a historical perspective, the following topics will be covered: cross section properties in fast energy range, fissile breeding and actinide burnup, along with design implications, core materials, reactor plant systems, core neutronics design, reactivity effects and control requirements, fuel pin and assembly design, fuel pin thermal performance, core thermal-hydraulics design, safety considerations, and protected and unprotected transient analysis.

**34036 Plasma Chem&Plas Surf Interact**
- CR: 4.00
- Code: 34036
- Time: 9-1030AM
- Location: 1008 EECS
- Instructor: Kushn
- Open Seats: 41

**499 Res Nur Eng/Rad Sci**
- CR: 1.00-3.00
- Code: 499
- Time: IND + ARR
- Location: ARR
- Instructor: ADVISORY, ENFORCED
- Open Seats: 24

**515 Nuclear Measure Lab**
- CR: 4.00
- Code: 10627
- Time: IND + ARR
- Location: ARR
- Instructor: ADVISORY
- Open Seats: 18

**STUDENTS MUST ELECT LAB AND LECTURE SECTIONS.**

**421 Nucl React Theo I**
- CR: 4.00
- Code: 10621
- Time: 1030-12PM
- Location: G906 COOL
- Instructor: ADVISORY
- Open Seats: 38

**518 Adv Rad Meas&Imag**
- CR: 2.00
- Code: 23752
- Time: 3-5PM
- Location: 2918 COOL
- Instructor: ADVISORY
- Open Seats: 19

**546 Ther Flu Nuc Reactor**
- CR: 3.00
- Code: 28653
- Time: 4-530PM
- Location: 1940 COOL
- Instructor: ADVISORY
- Open Seats: 38

**584 Radiation Biology**
- CR: 3.00
- Code: 26358
- Time: 4-530PM
- Location: 4425 MSC1
- Instructor: ADVISORY
- Open Seats: 23

**588 Rad Safe&Md Phy Prac**
- CR: 1.00-12.00
- Code: 28653
- Time: 4-530PM
- Location: 4425 MSC1
- Instructor: ADVISORY
- Open Seats: 25

**590 Special Topics II**
- CR: 3.00-4.00
- Code: 29252
- Time: 1030-12PM
- Location: 2918 COOL
- Instructor: ADVISORY
- Open Seats: 38

**590 Special Topics II**
- CR: 3.00-4.00
- Code: 29252
- Time: 1030-12PM
- Location: 2918 COOL
- Instructor: Yang
- Open Seats: 38

**Fast Reactor Systems**
- Fast Reactor Systems

This course will discuss the design considerations and analysis methods of fast spectrum reactors. Starting from a historical perspective, the following topics will be covered: cross section properties in fast energy range, fissile breeding and actinide burnup, along with design implications, core materials, reactor plant systems, core neutronics design, reactivity effects and control requirements, fuel pin and assembly design, fuel pin thermal performance, core thermal-hydraulics design, safety considerations, and protected and unprotected transient analysis.

**34036 Plasma Chem&Plas Surf Interact**
- CR: 4.00
- Code: 34036
- Time: 9-1030AM
- Location: 1008 EECS
- Instructor: Kushn
- Open Seats: 41

**Plasma Chem&Plas Surf Interact**
- Low temperature plasmas are used for materials and microelectronics processing, plasma aided combustion, lighting, lasers and medicine. This course will address the plasma initiated chemistry and plasma surface interactions of...
these systems. Electron impact, ion-molecule and excited state reactions, radiation transport; and the reaction of these species with inorganic, organic and liquid surfaces will be discussed.

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Technical Communication

Technical Communication (TCHNCLCM) Open Sections

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.

If you already have selected team members for your EECS design project, you are encouraged to register for the same section of TC496 with those members?

If you already have selected team members for your EECS design project, you are encouraged to register for the same section of TC496 with those members?

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## Environment and Sustainability

### School for Environment and Sustainability

#### Environment and Sustainability (EAS) Open Sections

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*Offered only at the Biological Station: www.lsa.umich.edu/umbs*
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You must be concurrently taking or have taken NRE 533 to enroll or have permission of the instructor.
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This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The class will use the experience of the so-called Islamic State in Iraq and Syria (ISIS) to develop a plan for countering the ways in which extremist groups use social media to instigate acts of violence. The class structure will be collaborative and multidisciplinary. Class time will focus on providing background information on, and discussing about, the problem. Students will spend additional time outside of class meeting in groups, thinking through the problem, and doing research in the service of the final class project, which they will present at the end of the semester 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 February 23, 2018, and March 16, 2018.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The class will challenge students to develop creative approaches to reducing the risk of brain injury in youth and high school football. Students will work in multi-disciplinary teams, under the guidance of the instructors, to conceive and propose novel solutions that draw on insights from law, engineering, medicine, business, ethics, and other relevant fields. Each student team will address a specific sub-topic relative to the course theme. Sub-topics may include: What changes in the rules governing practices, participation, and play should be instituted? What kinds of protective and monitoring equipment should be used, and under what protocols? How should such equipment be financed and distributed?

Class time will focus on providing background information and discussion with topical experts. Students are expected to spend additional time outside of class contacting experts and researching scientific and lay materials. At the end of the term, students will present a 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 February 23, 2018, and March 16, 2018.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). We are facing what might be described as a failure or crisis of public trust in sources of truth and about matters of fact. Public actors lie and accuse each other of lying. Media outlets present competing narratives. People do not know whom to trust or believe. Misinformation and conspiracy theories spread through social media. Our aim in this course will be to identify concrete potential interventions, solutions, or avenues for future exploration that might help people identify and trust sources of truth and/or that might mitigate the spread of misinformation. We will draw in insights from a range of inter-connected fields, including (but not limited to): psychology, communications, journalism, social media, information, computer science, law, and history. At the end of the term, students will present a proposal to an expert 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 February 23, 2018, and March 16, 2018.

This class is reserved for PhD students in SNRE. This class will count toward graduation or other departmental requirements.
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IT IS CRITICAL THAT STUDENTS ATTEND CLASSES FROM THE BEGINNING OF THE TERM. EVEN THOUGH STUDENTS MAY BE REGISTERED OFFICIALLY FOR A COURSE, THE INSTRUCTOR MAY GIVE AWAY PLACES IN A COURSE IF STUDENTS DO NOT ATTEND THE FIRST DAY OF CLASS.

Sophomore status or above required for enrollment. Waiver available from instructor for select freshmen.

User Experience Design and Social Media Analysis and Design final course prep.

Information Analysis final course prep.

User Experience Design final course prep.

UX Design final course prep.
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This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The class will use the experience of the so-called Islamic State in Iraq and Syria (ISIS) to develop a plan for countering the ways in which extremist groups use social media to instigate acts of violence. This class will be collaborative and multidisciplinary. Class time will focus on providing background information on, and discussion about, the problem. Students will spend additional time outside of class meeting in groups, thinking through the problem, and doing research in the service of the final class project, which they will present at the end of the semester 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 February 23, 2018, and March 16, 2018.

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Students may apply for the course by submitting the required application materials to the PSI registration site (https://problemsolving.law.umich.edu/) between February 23, 2018, and March 16, 2018.
This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). This course will challenge students to develop creative approaches to reducing the risk of brain injury in youth and high school football. Students will work in multi-disciplinary teams, under the guidance of the instructors, to conceive and propose novel solutions that draw on insights from law, engineering, medicine, business, ethics, and other relevant fields. Each student team will address a specific sub-topic relative to the course theme. Sub-topics may include: What changes in the rules governing practices, participation, and play should be instituted? What kinds of protective and monitoring equipment should be used, and under what protocols? How should such equipment be financed and distributed?

Class time will focus on providing background information and discussion with topical experts. Students are expected to spend additional time outside of class contacting experts and researching scientific and lay materials. At the end of the term, students will present a 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 February 23, 2018, and March 16, 2018.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). We are facing what might be described as a failure or crisis of public trust in sources of truth about matters of fact. Public actors lie and accuse each other of lying. Media outlets present competing narratives. People do not know whom to trust or believe. Misinformation and conspiracy theories spread through social media. Our aim in this course will be to identify concrete potential interventions, solutions, or avenues for future exploration that might help people identify and trust sources of truth and/or that might mitigate the spread of misinformation. We will draw in insights from a range of inter-connected fields, including (but not limited to): psychology, communications, journalism, social media, information, computer science, law, and history. At the end of the term, students will present a proposal to an expert 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 February 23, 2018, and March 16, 2018.
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# Kinesiology

## School Of Kinesiology

### Athletic Training (AT) Open Sections

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<td>2244 USB</td>
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F18- this course will meet in USB 2244.

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Concurrent enrollment in AT 350 is required.

AT 352 will meet in the South Campus Performance Center Athletic Training Room. For questions, please contact Professor Shinavier @ shinawi@umich.edu.

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Concurrent enrollment in AT 360 is required.

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F18- this course will meet in USB 2244.

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Concurrent enrollment in AT 350 is required.

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AT Admin will meet in the South Campus Performance Center Athletic Training Room. For questions, please contact Professor Shinavier Jr @ shinawi@umich.edu.

### Health and Fitness (HF) Open Sections

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### Research Opportunities

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### Independent Study

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### Kinesiology (KINESLGY) Open Sections

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**U of M Open Classes Only Schedule of Classes**

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**FA 2018 2210 07-30-2018 02:07 20700154**
### Limerick, Ireland
University of Limerick in Ireland

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University College Dublin in Ireland

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### Israel
Israel (Dr. Rosentraub)

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### Western Europe
Western Europe (Dr. Grant Long, Dr. Babiak)

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### Service - Hith Prof
The course description can be found at: [https://pharmacy.umich.edu/service](https://pharmacy.umich.edu/service). Note that permission is required to register for this course. KinesIgy 581, MoveSci 481, Pharmacy 503, and Social Work 573 are cross listed courses. If you would like to register for KinesIgy 581, MoveSci 481, SW 573 or PubHlth 503 please send a request, including your student ID#, to ServiceForHealth@umich.edu.

### Ind Res in Kin

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### Ind Res in Kin

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**Movement Science (MOVESCI) Open Sections**

**NOTE - ENROLLMENT NOT GUARANTEED FOR STUDENTS OTHER THAN KINESIOLOGY MAJORS. ATTENDANCE AT FIRST CLASS IS MANDATORY TO RESERVE YOUR PLACE IN CLASS. ACTIVITY CLASSES FOR NON-MAJORS ARE LISTED IN THE UMOVE PROGRAM.**

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*Override needed to enroll (mergos@umich.edu). Students must concurrently enroll in MOVESCI 362 sections 001 AND (002, 003 or 004). The professor will hold this course in a lab space in CCRB and will contact the class roster with the details.*

**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.
Class # | Course Title | CR | PREREQ | LAB FEE | OPEN SEATS | WL
---|---|---|---|---|---|---
149 | Lab Exer Phys | 1.00-3.00 | ADVISORY | 2 | N
465 | Neuro Adv Top IONM | 3.00 | ENFORCED | 2 | N
466 | Clin Rot IONM II | 3.00 | ENFORCED | 2 | N
467 | Clin Rot IONM III | 3.00 | ENFORCED | 2 | N
477 | Science of Medicine | 3.00 | 18 | N
481 | Service - Hith Prof | 2.00 | 17 | N
490 | Sr Honors Thesis-A | 1.00-5.00 | ADVISORY | 23 | N
510 | Exp Cse Biomech | 3.00 | ADVISORY | 24 | N
540 | Adv Exerc Phys | 3.00 | ADVISORY | 17 | N

Physical Education (PHYSED) Open Sections

NOTE - ENROLLMENT NOT GUARANTEED FOR STUDENTS OTHER THAN KINESIOLOGY MAJORS. ATTENDANCE AT FIRST CLASS IS MANDATORY TO RESERVE YOUR PLACE IN CLASS
NOTE - COURSES 140, 141, 142, 145, AND 349: CONTACT THE U-MOVE OFFICE (764-1342 OR U-MOVE@UMICH.EDU) FOR CLASS TIMES AND REGISTRATION INFORMATION.

140 | Beginning Swim | 1.00 | ADVISORY | 10 | Y
13669 | PD LAB 001 | ARR | 7-8PM | Winkelseth | 10 | Y

Class will be held in the CCRB Margaret 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/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. 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.

22753 | PD LAB 002 | ARR | 8-9PM | Winkelseth | 10 | Y

Class will be held in the CCRB Margaret 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/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. 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.

141 | Begin Swim II | 1.00 | ADVISORY | 10 | Y
13671 | PD LAB 001 | TTH | 7-8PM | Winkelseth | 10 | Y

Class will be held in the CCRB Margaret 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/request override, contact kebwink@umich.edu. 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.

142 | Intermediate Swim | 1.00 | ADVISORY | 10 | Y
13670 | PD LAB 001 | MW | 8-9PM | Winkelseth | 10 | Y

Class will be held in the CCRB Margaret 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/request override, contact kebwink@umich.edu. Pre-req: Must have ability to swim one length (long way) each of crawl, backstroke and breaststroke. Intermediate swimming 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. 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.

The course description can be found at: https://pharmacy.umich.edu/service. Note that permission is required to register for this course. Kineslg 581, MoveSci 481, Pharmacy 503, PubHlth 503, and Social Work 573 are cross listed courses. If you would like to register for Kineslg 581, MoveSci 481, SW 573 or PubHlth 503 please send a request, including your student ID#, to ServiceForHealth@umich.edu.
third time.

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**Sport Management (SM) Open Sections**

101 Pub&Small Grp Comm 3.00

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This section is held for Kinesiology students. Non-Kinesiology students should wait list under section 013.

Because Kinesiology holds SM 101 seats for Kinesiology summer orientation students, overrides for non-Kinesiology students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.

13684 P R LEC 004 MWF 12-1PM 2100 OBL LaRoche 5 Y

This section is held for Kinesiology students. Non-Kinesiology students should wait list under section 014.

Because Kinesiology holds SM 101 seats for Kinesiology summer orientation students, overrides for non-Kinesiology students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.

203 Intro Sport Mgmt 3.00

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This section is held for Kinesiology students. Non-Kinesiology students should wait list under section 011.

Because Kinesiology holds SM 203 seats for Kinesiology summer orientation students, overrides for non-Kinesiology students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.

27603 P R LEC 002 MW 230-4PM 3735 CCRB George 22 Y

This section is held for Kinesiology students. Non-Kinesiology students should wait list under section 012.

Because Kinesiology holds SM 203 seats for Kinesiology summer orientation students, overrides for non-Kinesiology students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.

241 Sports Econ&Pol 3.00

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Because Kinesiology holds SM 241 seats for Kinesiology summer orientation students, overrides for non-Kinesiology students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.

249 Research Methods 4.00

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Because Kinesiology holds SM 249 seats for Kinesiology summer orientation students, overrides for non-Kinesiology students are not issued until post-orientation. Students will receive an email when and if they are issued an override. If students do not receive an override before the first day of class, they are welcome to attend the first day of class and see if the instructor has seats available. As long as students stay on the waitlist, they do not need to call or email to check their status.

290 Field Exp SM 1.00-4.00

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

313 Special Topics 3.00

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

28894 P R LEC 008 M 530-830PM 1100 OBL Grant Long 2 Y

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

332 Org Behave-Sport Org 3.00

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

402 Teach Experence SM 1.00-2.00

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

403 Internship in SM 0.50-3.00

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

U of M Open Classes Only Schedule of Classes  Page 77 of 308  FA 2018 2210 07-30-2018 02:07 20700154
Students enrolled in more than five upper division SM courses will be disenrolled from one of the excess courses.
# LSAR Residential College

## College of L S & A Residential College

### Fine Arts (RCARTS) Open Sections

<table>
<thead>
<tr>
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### Core Courses (RCCORE) Open Sections

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Interdivisional (RCIDIV) Open Sections

Languages (RCLANG) Open Sections

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U of M Open Classes Only Schedule of Classes Page 81 of 308 FA 2018 2210 07-30-2018 02:07 20700154
### Law School

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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 A STUDENT’S PLACE IN A CLASS IF THEY DO NOT ATTEND:

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

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 REGISTRATION SYSTEM DURING THE NORMAL DROP/ADD PERIOD.

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U of M Open Classes Only Schedule of Classes  Page 91 of 308  FA 2018 2210 07-30-2018 02:07 20700154
### Anthropology Department

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DISCUSSION SECTIONS BEGIN MEETING AFTER THE FIRST WEEK. STUDENTS ENROLLED IN SECTIONS 027-048 WILL BE AUTO-ENROLLED IN LEC 002.

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**Spanish Language Section**

Section 004: Spanish Section. Registration for one additional University Course (UC 390) credit available after classes begin.

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Issues in Race & Ethnicity

Interested grad students should register under History 478.010

**Popular Culture in Middle East**

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U of M Open Classes Only Schedule of Classes Page 93 of 308 FA 2018 2210 07-30-2018 02:07 20700154
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### Asian Languages And Cultures

#### Asian Studies (ASIAN) Open Sections

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| 206 | Indian Civilization | 4.00 |
| 28468 | P DIS 002 TH | 3-4PM | 2047 RUTHVEN | 11 | Y |
| 28469 | P DIS 003 F | 10-11AM | 2407 MH | 11 | Y |
| 28467 | A LEC 001 TH | 1-230PM | 1640 CHEM | Glover | | |

| 207 | Southeast Asian Civ | 4.00 |
| 30578 | P DIS 002 T | 2-3PM | 3242 LSA | 3 | Y |
| 30579 | P DIS 003 T | 3-4PM | 2427 MH | 11 | Y |
| 30580 | P DIS 004 W | 9-10AM | 2407 MH | 18 | Y |
| 30581 | P DIS 005 W | 10-11AM | B103 MLB | 13 | Y |
| 30577 | A LEC 001 TH | 1130-1PM | 260 WEISER | Lieberman | | |

| 220 | Phil&Rel in Asia | 4.00 |
| 31295 | P DIS 002 F | 9-10AM | 2143 RUTHVEN | 7 | Y |
| 31296 | P DIS 003 F | 10-11AM | 706 BMT | 7 | Y |
| 30564 | A LEC 001 MW | 1-230PM | 3463 MH | Mandair | | |

| 235 | Intro Asian Studies | 4.00 |
| 24566 | P DIS 002 F | 9-10AM | 2047 RUTHVEN | 11 | Y |
| 26147 | P DIS 004 F | 2-3PM | 2143 RUTHVEN | 7 | Y |
| 24565 | A LEC 001 MW | 230-4PM | LEC RM 2 MLB | Wilcox | | |

| 252 | Ug Sem Jpn Cult | 3.00 | ADVISORY |
| 24564 | P R SEM 001 TTH | 1130-1PM | 2116 MLB | 16 | Y |

| 255 | Japan At War | 3.00 | ADVISORY |
| 260 | Intro to Chinese Civ | 4.00 |
| 18563 | P DIS 002 F | 9-10AM | 2047 RUTHVEN | 8 | Y |
| 18564 | P DIS 003 F | 10-11AM | 2047 RUTHVEN | 7 | Y |
| 21479 | P DIS 005 F | 2-3PM | 2143 RUTHVEN | 10 | Y |
| 18562 | A LEC 001 MW | 1130-1PM | 2047 RUTHVEN | 10 | Y |

| 274 | Intro Korean Civ | 3.00 |
| 24942 | P LEC 001 MW | 1130-1PM | 2047 RUTHVEN | 10 | Y |

| 292 | Intro Japanese Art | 3.00 |
| 34024 | P DIS 005 T | 12-1PM | G026 TISCH | 1 | Y |
| 30785 | S LEC 001 MW | 1130-1PM | LEC RM 1 MLB | Carr | | |

| 321 | Japanese Modern | 3.00 |
| 27961 | P LEC 001 TTH | 1130-1PM | LEC RM 1 MLB | Carr | | |

| 354 | War & Revol in China | 4.00 |
| 32705 | P DIS 002 M | 12-1PM | G026 TISCH | 11 | Y |
| 32706 | P DIS 003 M | 1-2PM | 2427 MH | 18 | Y |
| 32704 | A LEC 001 MW | 10-1130AM | 1401 MH | Cassel | | |

| 380 | Topic Asia Studies | 3.00 |
| 32597 | P LEC 002 TTH | 10-1130AM | 2155 NQ | Nornes | | |

| 384 | Hum Topics: Korea | 3.00 | ADVISORY |
| 34224 | P SEM 001 MW | 10-1130AM | 3242 LSA | Ellefson | 14 | Y |

| 393 | Japan-Korea Rel | 3.00 | ADVISORY |
| 395 | Honors Thesis | 1.00-3.00 | ADVISORY |
| 396 | Asian Internship | 1.00-3.00 | ADVISORY |

| 415 | Law & Soc in China | 3.00 | ADVISORY |
| 30870 | P SEM 001 MW | 230-4PM | G449 MH | Merrill | 10 | Y |

| 435 | Truth in Indian Lit | 3.00 | ADVISORY |
| 30988 | P SEM 001 TTH | 1-230PM | 6000 STB | Merrill | 7 | Y |

| 450 | Japan to 1700 | 3.00 |
| 27457 | P LEC 001 W | 5-8PM | 1448 MH | Tonomura | 21 | Y |

| 451 | Japans Mod Transform | 3.00 |
| 30858 | P LEC 001 TTH | 10-1130AM | 1436 MH | Pincus | 15 | Y |

| 499 | Ind Stdy-Dir Rdg | 1.00-4.00 | ADVISORY |
| 500 | Seminar-Asian Std | 3.00 | ADVISORY |

| 536 | Trad Chinese Fiction | 3.00 | ADVISORY |
| 29781 | P LEC 001 T | 4-7PM | 2108 MLB | Rolston | 5 | Y |
### Asian Languages (ASIANLAN) Open Sections

NOTE: IF YOU HAVE TAKEN A SECOND LANGUAGE AT ANY INSTITUTION (OTHER THAN U OF M) AND WOULD LIKE TO ENROLL IN A LANGUAGE COURSE BEYOND THE FIRST YEAR, YOU MUST TAKE THE APPROPRIATE PLACEMENT EXAM. PLEASE CONTACT THE DEPARTMENT OFFICE FOR INFORMATION ABOUT DATE, TIME AND LOCATION OF THOSE PLACEMENT EXAMS.

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STUDENTS MUST ELECT RECITATION AND LECTURE SECTIONS.

In order to ensure even enrollment in all recitation sections, ALC is practicing controlled enrollments. The total enrollment capacity for each recitation section is 18.

### Notes

- Students must elect recitation and lecture sections.
- In order to ensure even enrollment in all recitation sections, ALC is practicing controlled enrollments. The total enrollment capacity for each recitation section is 18.
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This section focuses part of its content on learning Japanese in relation to STEM program needs. All students are welcome, no matter their majors/minors, but STEM students are especially encouraged to enroll.

This course can be scheduled according to the availability of the students enrolled. Please contact the instructor with any questions.
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South and Southeast Asia (SSEA) Open Sections

This course can be scheduled according to the availability of the students enrolled. Please contact the instructor with any questions.
## Astronomy Department

### Astronomy (ASTRO) Open Sections

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This course is intended primarily for undergraduate students from the School of Education who are specializing in Elementary Education, and for IDA concentrators in the Department of Astronomy.

Contact Astronomy Department or specific instructor (in Astronomy) for questions and/or details regarding this experiential course. Upon enrollment, students and instructor discuss meeting times, possible projects, and expectations for each.
Biology Department

Biology (BIOLOGY) Open Sections

--A STUDENT WHO DOES NOT ATTEND THE FIRST MEETING OF A BIOLOGY, CHEMISTRY, OR PHYSICS LAB MAY BE DROPPED FROM THAT COURSE FOR NON-ATTENDANCE. ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION PROCESS TO MAKE SURE THAT THEIR OFFICIAL COURSE SCHEDULES MATCH THE COURSES THEY ARE ATTENDING.

105  **Biologgy of Nutrition**  4.00
24552 S LEC 001 TTH 1130-1PM AUD 4 MLB Kurdziel
ALL DISCUSSION SECTIONS BEGIN MONDAY, SEPT. 10.

108  **Animal Diversity**  4.00
24556 P DIS 003 T 3-4PM ARR
Section 003 will meet in the Science Learning Center (SLC), 1720 CHEM (in atrium), Computer Classroom.
24555 S LEC 001 MWF 9-10AM 4153 USB Eidietis
1.00
This course meets for the 1st 7 weeks of the term.

171  **Intro Biology: EEB**  4.00
19373 P DIS 035 W 830-10AM ARR
16 Y
Y
18644 P R DIS 201 TTH 1-230PM 3230 USB Eidietis
4 Y
Y
SECTIONS 200 AND 201 ARE RESERVED FOR HONORS STUDENTS.
The FIRST LECTURE WILL BE HELD WED., SEPT. 5. DISCUSSION SECTIONS BEGIN THE WEEK OF SEPT. 10. EXAMS WILL BE GIVEN WEDS., 6-8PM, SEPT. 26, OCT. 24, AND NOV. 14. Students should leave 6-8PM on Wed. open for exams.

172  **Intro Biol - MCDB**  4.00 ADVISORY
19379 P DIS 020 W 4-530PM 2234 USB 1 Y
THE FIRST LECTURE WILL BE HELD WED., SEPT. 5. DISCUSSION SECTIONS BEGIN THE WEEK OF SEPT. 10. EXAMS WILL BE GIVEN MONDAYS, OCT. 1, OCT. 29, AND NOV. 19.

173  **Intro Biol Lab**  2.00 ADVISORY, ENFORCED
18616 P R LAB 071 W 7-10PM 2115 USB 2 Y
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.
19340 P R LAB 073 W 7-10PM 2114 USB 2 Y
Labs are closed to adding or swapping after the first lecture meeting. Students should attend the desired section to request an override.
THE FIRST LECTURE WILL BE HELD FRI., SEPT. 7. LAB SECTIONS BEGIN THE WEEK OF SEPT. 10.

192  **Accel Intro Bio**  4.00 ENFORCED
31572 PDR DIS 003 F 1-230PM 3347 MH 20 Y
31573 PDR DIS 004 F 1130-1PM 1509 NUB 17 Y
31217 PDR LEC 001 MWF 10-11AM 269 WEISER Clark
200  **Undergrad Tutorial**  1.00-3.00 ADVISORY
I IND + ARR ARR
201  **Inter Topics in Bio**  2.00 ADVISORY
31753 P LEC 001 W 4-5PM 4152 USB Dick 9 Y
201  **Inter Topics in Bio**  2.00 ADVISORY
P LEC 001 F 2-4PM ARR 9 Y
Unlock the Mus:Int Biodiv Res
Advisory prerequisite BIO 171. The Friday 2-4pm session will be held in the Research Museum Center (RMC).
Transportation to RMC will be provided. Students will meet for shuttle on central campus (location TBD) at 1:30pm and return to central campus by 4:30pm. There will also be one Saturday field trip to the E.S. George Reserve.
205  **Developmental Biol**  3.00 ENFORCED
U of M Open Classes Only Schedule of Classes Page 101 of 308 FA 2018 2210 07-30-2018 02:07 20700154
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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.  
LAB SECTIONS BEGIN THE WEEK OF SEPT. 10.  
DISCUSSION SECTIONS BEGIN THE WEEK OF SEPT. 10. NO CREDIT FOR THIS COURSE IS GRANTED TO THOSE WHO HAVE COMPLETED EEB 381.  
ALL DISCUSSION SECTIONS BEGIN THE WEEK OF SEPT. 10. EXAMS WILL BE GIVEN ON MONDAYS, SEPT. 24, OCT. 22, NOV. 12, AND DEC. 10, 6-8 PM.  
10805  | A    | LEC | 001 | TTH  | 1-5PM    | 1060 BSB-TBL | 2   |            |        | 100.00  | 19         | N  |

207 Microbiology 4.00 ENFORCED 70.00 Y

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

#### Biophysics (BIOPHYS) Open Sections

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### Chemistry Department

**Chemistry (CHEM) Open Sections**

--A GRADE OF C- OR BETTER MUST BE OBTAINED IN ALL CHEMISTRY COURSES PREREQUISITE TO SUBSEQUENT CHEMISTRY COURSES.

--ROOM A706 CHEM IS A WHEELCHAIR EQUIPPED LAB.

--A STUDENT WHO DOES NOT ATTEND THE FIRST MEETING OF A BIOLOGY, CHEMISTRY, OR PHYSICS LAB MAY BE DROPPED FROM THAT COURSE FOR NON-ATTENDANCE. ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION PROCESS TO MAKE SURE THAT THEIR OFFICIAL COURSE SCHEDULES MATCH THE COURSES THEY ARE ATTENDING.

<table>
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--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.

<table>
<thead>
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Active Research Experience section: Enrollment by application only:
http://sites.lsa.umich.edu/arc/chemistry-125-applications/. Contact bradshal@umich.edu with questions.

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CHEM 126 meets the same day/time/location as CHEM 125 and must be taken in conjunction with CHEM 125.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

<table>
<thead>
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CHEM 126 meets the same day/time/location as CHEM 125 and must be taken in conjunction with CHEM 125.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

<table>
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CHEM 126 meets the same day/time/location as CHEM 125 and must be taken in conjunction with CHEM 125.

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 100 STUDENTS MUST ELECT DISCUSSION SECTION 101-121.
Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

10868  A  LEC 100 MWF 10-11AM 1800 CHEM
10891  P  DIS 206 TH 2-3PM 1636 CHEM 1 N
10893  P  DIS 208 W 10-11AM 1632 CHEM 3 N
10897  P  DIS 215 M 2-3PM 1636 CHEM 17 N
10901  P  DIS 221 W 3-4PM 1636 CHEM 16 N

--SECTION 200 - STUDENTS MUST ELECT DISCUSSION SECTION 201-223.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

10886  A  LEC 200 MWF 1-2PM 1800 CHEM
10905  P  DIS 302 M 4-5PM 1628 CHEM 19 N
10906  P  DIS 303 W 10-11AM 1628 CHEM 16 N
10907  P  DIS 304 W 4-5PM 1636 CHEM 24 N
20837  P  DIS 305 T 12-1PM 1060 EH 1 N
10909  P  DIS 307 F 9-10AM 1624 CHEM 14 N
10910  P  DIS 309 M 12-1PM 1250 USB 14 N
20839  P  DIS 310 T 12-1PM 1628 CHEM 6 N
10912  P  DIS 318 T 9-10AM 1632 CHEM 20 N

--SECTION 300 - STUDENTS MUST ELECT DISCUSSION 301-320.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

10903  A  LEC 300 MWF 2-3PM 1800 CHEM
10914  PDR DIS 402 TH 10-11AM 1628 CHEM 1 N
This section is reserved for CSP students and students who have placed into CHEM 130. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or csp-4info@umich.edu.
10915  PDR DIS 403 TH 2-3PM 1448 MH 12 N
This section is reserved for CSP students and students who have placed into CHEM 130. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or csp-4info@umich.edu.
10917  PDR DIS 405 TH 5-6PM 1636 CHEM 17 N
This section is reserved for CSP students and students who have placed into CHEM 130. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or csp-4info@umich.edu.
10918  PDR DIS 406 TH 4-5PM 3540 NUB 6 N
This section is reserved for CSP students and students who have placed into CHEM 130. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or csp-4info@umich.edu.

--SECTION 400 - STUDENTS MUST ELECT DISCUSSION 402-406. The intensive lecture section (Section 400) is intended for those students who would benefit from a smaller lecture section (maximum 100 students) and more lectures so that the pace is slower and there is more feedback. This section is reserved for CSP students and students who have placed into CHEM 130. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or csp-4info@umich.edu.
10913  A  LEC 400 MWF 10-11AM 1200 CHEM Castaneda
209 Struct and React Sem 1.00 ENFORCED
28454  PDR SEM 100 M 8-9AM 2448 MH Montgomery 10 N
This section is reserved for CSP students. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or csp-4info@umich.edu.
28456  PDR SEM 200 TH 10-11AM 1060 EH Montgomery 13 N
This section is reserved for CSP students. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or csp-4info@umich.edu.
28457  PDR SEM 300 W 3-4PM 1505 EQ Montgomery 3 N
This section is reserved for CSP students. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or csp-4info@umich.edu.

--SECTION 500 - STUDENTS MUST ELECT DISCUSSION 501-508.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

10919  A  LEC 500 MWF 9-10AM 1210 CHEM Castaneda

210 Struct & React I 4.00 ADVISORY
10930  P  DIS 111 TH 12-1PM 1632 CHEM 2 N
10931  P  DIS 112 W 3-4PM 1628 CHEM 12 N
10932  P  DIS 113 T 2-3PM 1636 CHEM 7 N
10933  P  DIS 121 TH 4-5PM 1628 CHEM 16 N
10935  P  DIS 123 F 12-1PM 1632 CHEM 2 N
18302  P  DIS 124 TH 3-4PM B956 EQ 5 N
10936  P  DIS 150 W 2-3PM 1628 CHEM 6 N
10937  P  DIS 160 M 11-12PM 1628 CHEM 6 N
10939  P  DIS 161 F 12-1PM 1628 CHEM 20 N
19077  P  DIS 162 M 3-4PM 1632 CHEM 20 N
10939  P  DIS 194 T 11-12PM 1628 CHEM 16 N

--SECTION 100- MUST ELECT ONE DISCUSSION 110-199.
Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

10928 A  LEC 100  MWF  8-9AM  1800 CHEM  Coppola

10959 P  DIS 323  W  11-12PM  1628 CHEM  1  N

--SECTION 300 - MUST ELECT ONE DISCUSSION 310-391.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

10954 A  LEC 300  MWF  12-1PM  1800 CHEM

20841 P  DIS 408  F  11-12PM  1632 CHEM  22  N

20842 P  DIS 409  F  4-5PM  1632 CHEM  7  N

18870 P  DIS 411  TH  11-12PM  2234 USB  4  N

18871 P  DIS 412  T  12-1PM  5144 AH  1  N

18872 P  DIS 413  T  2-3PM  1628 CHEM  5  N

18873 P  DIS 414  M  10-11AM  2218 SEB  11  N

18875 P  DIS 418  W  10-11AM  1636 CHEM  1  N

18876 P  DIS 419  M  10-11AM  1638 CHEM  24  N

18877 P  DIS 420  M  1-2PM  1632 CHEM  19  N

18878 P  DIS 421  T  10-11AM  2328 SEB  13  N

18780 A  LEC 400  MWF  3-4PM  1800 CHEM  Coppola

--SECTION 400 - MUST ELECT ONE DISCUSSION 408-421.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

211 Invest Chem 1.00 ADVISORY 100.00

10972 P  LAB 123  M  2-5PM  A624 CHEM  1  N

18746 P  LAB 124  M  2-5PM  A630 CHEM  1  N

18748 P  LAB 126  M  2-5PM  A642 CHEM  1  N

18749 P  LAB 130  M  2-5PM  A706 CHEM  5  N

18750 P  LAB 131  M  2-5PM  A712 CHEM  4  N

18751 P  LAB 132  M  2-5PM  A718 CHEM  6  N

18752 P  LAB 133  M  2-5PM  A724 CHEM  6  N

18753 P  LAB 134  M  2-5PM  A730 CHEM  7  N

18754 P  LAB 135  M  2-5PM  A736 CHEM  9  N

18755 P  LAB 136  M  2-5PM  A742 CHEM  9  N

STUDENTS MUST SHOW VERIFICATION OF REGISTRATION FOR CHEM 211 AT LAB CHECK IN AND CLAIM THEIR SPACES AT THE FIRST MTG OF THE LAB.

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

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

10966 A  LEC 100  F  4-5PM  1800 CHEM  Nolta

17823 P  LAB 342  F  2-5PM  A618 CHEM  10  N

17824 P  LAB 343  F  2-5PM  A624 CHEM  9  N

17825 P  LAB 344  F  2-5PM  A630 CHEM  14  N

18775 P  LAB 345  F  2-5PM  A736 CHEM  14  N

18776 P  LAB 346  F  2-5PM  A742 CHEM  14  N

18777 P  LAB 347  F  2-5PM  A730 CHEM  14  N

18778 P  LAB 348  F  2-5PM  A636 CHEM  13  N

10981 P  LAB 300  F  11-12PM  1800 CHEM  1 N

STUDENTS MUST SHOW VERIFICATION OF REGISTRATION FOR CHEM 211 AT LAB CHECK IN AND CLAIM THEIR SPACES AT THE FIRST MTG OF THE LAB.

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

215 Struct&React II 3.00 ADVISORY

23700 P  DIS 102  M  4-5PM  2244 USB  1  N

23702 P  DIS 104  T  3-4PM  1650 CHEM  7  N

23703 P  DIS 105  W  3-4PM  1650 CHEM  1  N

23704 P  DIS 106  W  4-5PM  1650 CHEM  21  N

23706 P  DIS 108  TH  4-5PM  2244 USB  13  N

10989 A  LEC 100  MW  9-10AM  1800 CHEM  Wolfe

Any questions regarding enrolling for this course should be directed to the Chemistry Student Services Office at chemundergrad@umich.edu.

216 Synth Org 2.00 ADVISORY 100.00

18890 P  LAB 135  T  1-5PM  A630 CHEM  3  Y

18891 P  LAB 136  T  1-5PM  A612 CHEM  1  Y

16712 P  LAB 170  TH  1-5PM  A606 CHEM  1  N

ROOM A606 CHEM IS A WHEELCHAIR EQUIPPED LAB.

16714 P  LAB 172  TH  1-5PM  A618 CHEM  4  N

18244 P  LAB 173  TH  1-5PM  A642 CHEM  10  N

18895 P  LAB 174  TH  1-5PM  A636 CHEM  11  N

18896 P  LAB 175  TH  1-5PM  A624 CHEM  11  N

18897 P  LAB 176  TH  1-5PM  A630 CHEM  10  N

--TO BE ELECTED WITH CHEM 215.

--STUDENTS MUST CLAIM A SPACE AT THE FIRST MEETING OF LAB.
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**U of M Open Classes Only Schedule of Classes**

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FA 2018 2210 07-30-2018 02:07 20700154
### Latin (LATIN) Open Sections

NOTE - A PRE-REGISTRATION PLACEMENT TEST FOR STUDENTS WITH HIGH SCHOOL LATIN FOR THE FALL TERM WILL BE REQUIRED. GO TO THE DEPARTMENTAL OFFICE, 2160 A H, FOR INFORMATION OR CALL 764-0360.

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### Notes

- **Latin (LATIN) Open Sections**
- Note: A pre-registration placement test for students with high school Latin for the fall term will be required.
- Go to the departmental office, 2160 A H, for information or call 764-0360.
- Some courses require enrollment in a lecture when they elect a discussion.
- Students are auto-enrolled in lecture when they elect a discussion.
- Open sections for Latin courses.
- Latin courses with specific prerequisites or enrollment requirements.
- Contact departmental office for more information.
## Communication Studies
### Communication Studies (COMM) Open Sections

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

| 101  | The Mass Media | 4.00 | ENFORCED | 11061 | P R DIS 006 F | 1-2PM | 1110 NQ | 5 seats reserved for LSA Honors. |
| 11056 | A R LEC 001 TTH | 230-4PM | 140 LORCH | Lawson |

| 102  | Process & Effects | 4.00 | ENFORCED | 11072 | P R DIS 007 F | 2-3PM | 1245 NQ | 11066 | A R LEC 001 TTH | 1-230PM | AUD 4 MLB | Campbell |

| 251  | Media Industries | 4.00 | ENFORCED | 11077 | A LEC 001 MW | 10-1130AM | LEC RM 2 MLB | Lotz |
| 251  | Media Psychology | 4.00 | ENFORCED | 11087 | P R DIS 003 W | 4-5PM | 2022 STB | 11088 | P R DIS 004 W | 5-6PM | B134 MLB | 1110 NQ | 1 Y |
| 281  | Media Psychology | 4.00 | ENFORCED | American Jewishness |
| 305  | Survey Media Topics | 4.00 | ADVISORY | 27904 | P DIS 004 T | 6-7PM | 1245 NQ | 15 Y |
| 305  | Survey Media Topics | 4.00 | ADVISORY | Global Media and Culture | 27875 | A LEC 001 MW | 4-530PM | 1449 MH | Chatterjee |
| 305  | Survey Media Topics | 4.00 | ADVISORY | Global Media and Culture | 30554 | P DIS 006 T | 9-10AM | 2011 MLB | 6 Y |

| 305  | Survey Media Topics | 4.00 | ADVISORY | American Jewishness | 30556 | P DIS 008 T | 5-6PM | 2449 MH | 1 Y |
| 305  | Survey Media Topics | 4.00 | ADVISORY | American Jewishness | 30553 | A LEC 005 TTH | 1130-1PM | G378 DENT | Moshin |

| 312  | TV in Digital Age | 4.00 | 30288 | P DIS 002 F | 1-2PM | 2011 MLB | 1 Y |
| 30288 | P DIS 003 F | 10-11AM | LEC RM 2 MLB | 9 Y |
| 30289 | P DIS 004 F | 12-1PM | G127 AH | 5 Y |

| 318  | Media&Violence | 4.00 | ADVISORY | 24648 | P DIS 003 W | 2-3PM | 1245 NQ | 13 Y |
| 24648 | P DIS 004 W | 3-4PM | 1245 NQ | 13 Y |

| 318  | Media&Violence | 4.00 | ADVISORY | Cross-listed with Psych 318.003 |
| 318  | Media&Violence | 4.00 | ADVISORY | Cross-listed with Psych 318.004 |

| 321  | Internship | 1.00-3.00 | ADVISORY | 25914 | P R LEC 001 TTH | 4-530PM | 1245 NQ | 19 Y |
| 322  | UG Research Prac | 1.00-3.00 | ADVISORY | American Jewishness |

| 326  | American Magazines | 4.00 | 25658 | A LEC 001 TTH | 1-230PM | 1060 BSB-TBL | Howard |
| 329  | Media&Polit Behav | 4.00 | 19913 | A LEC 001 MW | 830-10AM | LEC RM 2 MLB | Valentino |

| 350  | Rise&Demise MassCult | 4.00 | ENFORCED | 34163 | P DIS 002 T | 9-10AM | 706 BMT | Vaillant |
| 34162 | A R LEC 001 MW | 4-530PM | LEC RM 1 MLB | 3 Y |

| 404  | Media & Comm Topics | 3.00 | ADVISORY | Healthscapes:Health&the Media | 33076 | P R DIS 002 TTH | 1-230PM | 1505 NUB | 2 Y |

| 408  | Media Effects Topics | 3.00 | ADVISORY | Media Effects Topics | 27959 | P R REC 002 TTH | 230-4PM | 1110 NQ | 20 Y |

| 431  | Supreme Court News | 3.00 | ADVISORY | 19357 | P R SEM 001 MW | 1130-1PM | 1110 NQ | 6 Y |

| 432  | ForeignNews Coverage | 3.00 | ADVISORY | ForeignNews Coverage |
| 435  | News Media Ethics | 3.00 | ADVISORY | News Media Ethics |
| 439  | Sem Journalism Perf | 3.00 | ADVISORY | Sem Journalism Perf |

<p>| U of M Open Classes Only Schedule of Classes | Page 113 of 308 | FA 2018 2210 07-30-2018 02:07 20700154 |</p>
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**Complex Systems (CMPLXSYS) Open Sections**

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

| 399  | Ind Stdy Dir Reading               | 1.00-2.00 |        |         |           |    |
|      | I IND + ARR ARR                    |            |        |         |           |    |

Page 116 of 308
### Comprehensive Studies Program (CSP) Open Sections

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English Language Institute

English Language Institute (ELI) Open Sections

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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Understanding Spoken English
ELI 592 is a 10-week course. "Topic:" Learn techniques and strategies for listening to spoken English in order to participate effectively in various formal and informal situations such as seminar discussions, lab meetings, office hours, lectures, and social interactions. Improve comprehension and confidence in spoken English.

U of M Open Classes Only Schedule of Classes Page 118 of 308 FA 2018 2210 07-30-2018 02:07 20700154
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### English Language & Literature Dept

**English Language And Literature (ENGLISH) Open Sections**

--A STUDENT WHO MISSES EITHER OF THE FIRST TWO CLASS MEETINGS OF AN ENGLISH COURSE MAY BE DROPPED FROM THE COURSE FOR NON-ATTENDANCE. ALL STUDENTS MUST TAKE ACTION THROUGH THE REGISTRATION PROCESS TO MAKE SURE THAT THEIR OFFICIAL SCHEDULE MATCHES THE COURSES THEY ARE ATTENDING.

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**125 Writing & Academic Inq**

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**11265 PDR REC 053 MWF 10-11AM 2462 MH**

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---

**11266 PDR REC 055 TTH 10-1130AM 2275 NO**

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---

**11267 PDR REC 055 TTH 1-230PM 2232 SEB Allen**

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---

**11269 PDR REC 057 MW 830-10AM 3540 NUB**

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---

**140 1st Yr Sem Lang & Lit**

MCSP course. Course will meet in G027 West Quad.

---

**22818 P R REC 001 MW 10-1130AM 4199 AH Gregerson**

---

**25991 P R REC 001 TTH 4-530PM 3333 MH Knuth**

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**26321 P R REC 004 TTH 1-230PM 2695 SPH1A Pinto**

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**28435 PDR REC 021 TTH 1130-1PM 3207 LSA Taylor III**

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**28591 P R REC 009 MW 1130-1PM 2024 DANA Smith**

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**33053 P R REC 006 MW 1-230PM 230-4PM 2468 MH Myers**

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**34053 P R REC 007 TTH 530-7PM 2469 MH Eriks Cline**

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**34991 P R REC 003 TTH 10-1130AM 2024 DANA Smith**

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**35991 P R REC 005 TTH 530-7PM 2347 MH Lynch**

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**42000 P R REC 016 TTH 12-130PM 3207 LSA Taylor III**

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**U of M Open Classes Only Schedule of Classes**

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Earth and Environmental Sciences

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31345 P  LEC 002 TTH 3-4PM AUD 3 MLB Arnaboldi 305 Y

104 Ice Ages-Past&Future 1.00
21777 P  LEC 001 TTH 3-4PM AUD 3 MLB Arnaboldi 364 Y

105 Tectonic Earth 1.00
19347 P  LEC 002 TTH 10-11AM UMMA AUD Huang 145 Y

107 Volcano&Earthquakes 1.00
31342 P  LEC 001 TTH 10-11AM UMMA AUD Ruff 70 Y

108 When Earth Attacks 1.00
31346 P  LEC 001 TTH 4-5PM 170 WEISER Hetland 114 Y

111 Climate & Humankind 1.00
28307 P  LEC 002 TTH 11-12PM AUD A AH Levin 163 Y

113 Planets and Moons 1.00
28309 P  LEC 002 TTH 4-5PM 170 WEISER Gleason 89 Y

118 Intro Geology Lab 1.00 ADVISORY
11374 P  LAB 001 M 4-6PM 2512 NUB 7 Y
Students who register for EARTH 118 must also be enrolled in EARTH 119.

119 Intro Geology 4.00 ADVISORY
11381 P  DIS 010 W 3-4PM 2502 NUB 4 Y
To enroll in the Intro Geology Lab, enroll in any section of EARTH 118. Students are strongly encouraged to enroll in both EARTH 119 and 118.

122 Extreme Weather 3.00
20072 P  LEC 002 MWF 10-11AM AUD C AH van der Pluijm 27 N

131 Earth Chemistry 4.00
31290 P  DIS 004 M 9-10AM 2512 NUB 8 Y
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LAB & DISCUSSION SECTIONS BEGIN THE WEEK OF SEPT. 10.
Instructor is Lynn Carpenter (landersn)

This course meets Aug. 12 - Aug. 24 at the U-M Biological Field Station and is associated with EEB 401-001 (fall term on-campus lab). More info: https://lsa.umich.edu/umbs/students/courses/microbiology---eeb-401.html

Contact the dept. with questions.
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This course meets with MCDB 801
Economics Department

Economics (ECON) Open Sections

101 Principles Econ I 4.00 ADVISORY
Students will be auto-enrolled in LEC 200 when they elect DIS 201-211; No overrides will be issued for this class.

11118 A LEC 200 MW 1130-1PM 140 LORCH Dudley
Students will be auto-enrolled in LEC 300 when they elect DIS 301-311; There will be three midterms for this course: Oct. 9th, 8-10pm; Nov. 6th, 8-10pm; and Dec. 5th, 8-10pm. 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 exceptions will be made to these exam dates and times. No overrides will be issued for this class.

11118 A LEC 300 MW 230-4PM AUD 3 MLB Zamzow
22887 A LEC 500 MW 1-2PM 1518 NUB Zamzow
This section is reserved for CSP students. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or csp-4info@umich.edu.

11135 A LEC 100 TTH 1130-1PM 140 LORCH Cho
Students will be auto-enrolled in section 100 when they elect sections 101-111. Midterm exams dates: Oct. 3rd, 6-8pm; Nov. 8th, 6-8pm.

11142 A LEC 200 TTH 10-1130AM 140 LORCH Stevenson
Students will be auto-enrolled in section 200 when they elect sections 201-211. Midterm exams dates: Oct. 1st, 8-10pm; Nov. 5th, 8-10pm.

108 Intro Micro Wkshp 1.00 ADVISORY
20357 PI SEM 001 F 9-10AM 142 LORCH Proulx
Economics of Personal Finance
208 Inter Micro Workshop 1.00 ADVISORY
25793 P SEM 001 F 1-2PM 140 LORCH Dudley
Economics at Work
251 Intr Stats&Metric II 4.00 ENFORCED
32058 A LEC 200 TTH 4-530PM 140 LORCH Asenova
Students will be auto-enrolled in section 100 when they elect sections 101-102. This class will have evening exams on the following dates: TBD

310 Money & Banking 3.00 ENFORCED
11151 P R LEC 001 MW 1130-1PM 1400 CHEM Dudek
320 Survey-Labor Econ 3.00 ADVISORY, ENFORCED
23487 P R LEC 001 MW 1130-1PM 1528 NUB Sedo
330 American Industries 4.00 ADVISORY, ENFORCED
27620 A R LEC 001 MW 230-4PM 1528 NUB Adams
340 International Econ 3.00 ADVISORY, ENFORCED
30160 P R LEC 001 MW 830-10AM 1120 WEILL Deardorff
360 Developing Economic 3.00 ADVISORY, ENFORCED
30161 P R LEC 001 TTH 830-10AM 1400 CHEM Bergquist
398 Strategy 4.00 ADVISORY, ENFORCED
33600 P R DIS 003 TH 11-12PM 1469 MH Suleymanov
33598 A R LEC 001 TH 830-10AM 256 WEISER Peralta
401 Intermed Micro Thry 4.00 ADVISORY, ENFORCED
11158 P R DIS 007 TH 530-7PM 1469 MH 7 N
17791 P R DIS 010 TH 830-10AM 1518 NUB 7 N
11161 P R DIS 011 TH 4-530PM B856 EQ 7 N
26799 P R DIS 012 TH 4-530PM 142 LORCH 11 N
30232 P R DIS 013 TH 530-7PM 271 WEISER 11 N
33438 P R DIS 015 TH 11-1130AM 1469 MH 7 N
33440 P R DIS 016 TH 4-530PM G127 AH 8 N
33441 P R DIS 017 TH 10-1130AM 1469 MH 7 N
33443 P R DIS 018 TH 11-12PM 2024 DANA 11 N
Students will be auto-enrolled in section 001 when they elect sections 002-013; Exam schedule: Oct. 11th, 8-10pm; Nov. 8th, 8-10pm.

402 Intermed Macro Thry 4.00 ADVISORY, ENFORCED
11163 P R DIS 002 F 9-10AM 1505 NUB 4 Y
11164 P R DIS 003 TH 3-4PM 373 LORCH 1 Y
11167 P R DIS 006 F 9-10AM B856 EQ 3 Y
11169 P R DIS 008 F 9-10AM B856 EQ 6 Y
11170 P R DIS 009 F 11-12PM 1448 MH 1 Y
26580 P R DIS 011 TH 5-6PM 2407 MH 1 Y
Students will be auto-enrolled in section 001 when they elect sections 002-010.

Midterm exams will be held in class on the following dates: Oct. 2nd, and Nov. 8th. Please plan accordingly.

420 Topics in Labor Econ 3.00 ADVISORY, ENFORCED
33945 P R LEC 001 TTH 4-530PM 1110 WEILL 51 Y
Analysis of Modern Labor Mkts
422 Personnel Economics 3.00 ENFORCED
30258 P R LEC 001 MW 830-10AM 1400 CHEM Brown 14 Y
451 Inter Stat&Metric I 4.00 ENFORCED
23775 P R DIS 002 F 1-2PM 2336 MH 10 Y
23776 P R DIS 003 F 2-3PM B856 EQ 21 Y
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</table>

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). The class will use the experience of the so-called Islamic State in Iraq and Syria (ISIS) to develop a plan for countering the ways in which extremist groups use social media to instigate acts of violence.
This class will focus on providing background information and discussion about the problem. Students will spend additional time outside of class meeting in groups, thinking through the problem, and doing research in the service of the final class project, which they will present at the end of the semester 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 February 23, 2018, and March 16, 2018.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). This course will challenge students to develop creative approaches to reducing the risk of brain injury in youth and high school football. Students will work in multi-disciplinary teams, under the guidance of the instructors, to conceive and propose novel solutions that draw on insights from law, engineering, medicine, business, ethics, and other relevant fields. Each student team will address a specific sub-topic relative to the course theme. Sub-topics may include: What changes in the rules governing practices, participation, and play should be instituted? What kinds of protective and monitoring equipment should be used, and under what protocols? How should such equipment be financed and distributed?

Class time will focus on providing background information and discussion with topical experts. Students are expected to spend additional time outside of class contacting experts and researching scientific and lay materials. At the end of the term, students will present a proposal to an expert review panel.

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This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). We are facing what might be described as a failure or crisis of public trust in sources of truth about matters of fact. Public actors lie and accuse each other of lying. Media outlets present competing narratives. People do not know whom to trust or believe. Misinformation and conspiracy theories spread through social media. Our aim in this course will be to identify concrete potential interventions, solutions, or avenues for future exploration that might help people identify and trust sources of truth and/or that might mitigate the spread of misinformation. We will draw in insights from a range of inter-connected fields, including (but not limited to): psychology, communications, journalism, social media, information, computer science, law, and history. At the end of the term, students will present a proposal to an expert panel.

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Program in the Environment

Environment (ENVIRON) Open Sections

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Students who register for EARTH/ENVIRON 118 must also be enrolled in EARTH/ENVIRON 119.

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.

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.

Students who register for EARTH/ENVIRON 118 must also be enrolled in EARTH/ENVIRON 119.

To enroll in the Intro Oceanography Lab, enroll in any section of EARTH/ENVIRON 233. Students are strongly encouraged to enroll in both EARTH/ENVIRON 232 and 233.

To enroll in the Intro Oceanography Lab, enroll in any section of EARTH/ENVIRON 233. Students are strongly encouraged to enroll in both EARTH/ENVIRON 232 and 233.

To enroll in the Intro Oceanography Lab, enroll in any section of EARTH/ENVIRON 233. Students are strongly encouraged to enroll in both EARTH/ENVIRON 232 and 233.

Students who register for EARTH/ENVIRON 233 must also be enrolled in EARTH/ENVIRON 232.

Students who register for EARTH/ENVIRON 233 must also be enrolled in EARTH/ENVIRON 232.

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Class # CODE CMP SEC DAYS TIME LOCATION INSTRUCTOR OPEN SEATS WL

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Exhibit Museum

Museum Methods (MUSMETH) Open Sections
# Germanic Languages & Lit Dept

## Dutch (DUTCH) Open Sections

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11105  P  REC 001  MTWTH 11-12PM B116 MLB Toebosch 8 Y
meets with Dutch 511

160  First Year Seminar 23015  P  REC 001  TTH 1-230PM G023 WQ Toebosch 3.00 ADVISORY 7 Y
Amsterdam: Tolerance in 3X City

231  Second Year Dutch 11106  P  REC 001  MTWTH 10-11AM B116 MLB Toebosch 4.00 ADVISORY 4 Y
meets with Dutch 531

339  Independent Study 11108  P  REC 001  MTWTH 11-12PM B116 MLB Toebosch 4.00 ADVISORY 8 Y
meets with Dutch 111

511  1st Spec Speak&Read 11109  P  REC 001  MTWTH 10-11AM B116 MLB Toebosch 4.00 ADVISORY 4 Y
meets with Dutch 231

## German (GERMAN) Open Sections

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21921  P  REC 002  MTTHF 1-2PM 1511 EO Goertz 11 Y

21920  A  LEC 001  MTTHF 10-11AM 1511 EQ Hegman Shier 4.00 ADVISORY 1 Y

101  Elementary 11409  P  REC 001  MTWTH 9-10AM 2175 NO 4.00 ADVISORY 1 Y
11411  P  REC 004  MTWTH 1-2PM B118 MLB Keener 1 Y
18186  P  REC 005  MTWTH 4-5PM 1008 EECS Ewing 16 Y

114  First Spec Read 11409  P  REC 001  MTWTH 10-11AM 2047 RUTHVEN Keener 6 Y
11411  P  REC 004  MTWTH 1-2PM B118 MLB Keener 1 Y
18163  P  REC 001  MTWTH 10-11AM 2047 RUTHVEN Measel 14 Y

102  Elementary 13736  P  REC 001  MTWTH 12-1PM 3310 MLB 4.00 ADVISORY 1 Y
13737  P  REC 002  MTWTH 1-2PM 1245 NO Ewing 4 Y
24836  P  REC 003  TTH 7-9PM 2212 MLB 9 Y

103  Review of Elem German 11413  P  REC 001  MTWTH 10-11AM 2212 MLB 5.00 ADVISORY 11 Y
17419  P  REC 002  MTWTH 1-2PM 2175 NO 9 Y
24837  P  REC 003  MTWTH 1-2PM 2212 MLB 9 Y

111  1st Spec Read 18163  P  REC 001  MTWTH 10-11AM 2047 RUTHVEN Dabak 14 Y

221  Accel Third Sem German 11414  P  REC 002  MTWTH 1-2PM 2104 MLB 5.00 ADVISORY 2 Y

227  2nd Year Yiddish I 31353  P  REC 001  MW 10-12PM 4217 MLB Yashinsky 6 Y

230  Intens 2nd Yr German 21923  P  REC 002  MTTHF 1-2PM 1512 EQ 8.00 ADVISORY 6 Y
21922  A  LEC 001  MTTHF 10-11AM 1512 EQ Hegman Shier 6 Y

231  Second Year 19593  P  REC 001  TTH 9-10AM 2412 MLB 4.00 ADVISORY 1 Y
11415  P  REC 002  MTWTH 10-11AM 3310 MLB Grzeskowiak 4 Y
11417  P  REC 004  MTWTH 1-2PM 2412 MLB Dischler 1 Y
19870  P  REC 005  TTH 7-9PM 2412 MLB Marquardt 2 Y

232  Second Year 16697  P  REC 004  MTWTH 4-5PM 3310 MLB 4.00 ADVISORY 9 Y

German Opera

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16450  P  REC 002  MTWTH 2-3PM 3359 MH 11 Y

303  Ger Cult & Arts 27894  P  SEM 001  TTH 230-4PM 1155 NO 3.00 ADVISORY 6 Y

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For Max Kade House students only.

315  Intro to German Literature 19477  P  SEM 001  MW 1-230PM 1437 MH 3.00 ADVISORY 8 Y

325  Intern German 17149  P  REC 004  WF 1-230PM G144 AH 3.00 ADVISORY 9 Y

German for Engineers

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- Schedule of Classes
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**Scandinavian (SCAND) Open Sections**

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## History Department

### History (HISTORY) Open Sections

-- IT IS CRITICAL THAT STUDENTS ATTEND CLASS FROM THE BEGINNING OF THE TERM. ALTHOUGH STUDENTS MAY BE OFFICIALLY REGISTERED FOR A COURSE, THE DEPARTMENT MAY DISENROLL ANY STUDENT NOT ATTENDING THE FIRST TWO COURSE MEETINGS.

-- DISCUSSION SECTIONS DO NOT MEET UNTIL AFTER FIRST LECTURE.

-- STUDENTS ARE ENCOURAGED TO USE THE WAITLIST FOR ANY CLOSED COURSE. STUDENTS SHOULD REGISTER ON THE WAITLIST ACCORDING TO PREFERRED SECTION AND ATTEND THE FIRST CLASS. UP TO THE FIRST DAY OF CLASS, OVERRIDES WILL BE GIVEN BY THE DEPARTMENT AS SPACE BECOMES AVAILABLE. STUDENTS ARE NOTIFIED AND GIVEN TWO DAYS TO USE THE OVERRIDE, AFTER WHICH THE SPOT MAY GO TO AN ALTERNATE STUDENT ON THE WAITLIST. ONCE CLASSES HAVE STARTED, STUDENTS (WAITLISTED OR NOT) MUST CONTACT THE INSTRUCTOR FOR AN OVERRIDE.

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U of M Open Classes Only Schedule of Classes  Page 138 of 308  FA 2018 2210 07-30-2018 02:07 20700154
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Spanish Language Section

Section 004: Spanish Section. Registration for one additional University Course (UC 390) credit available after classes begin.

Issues in Race & Ethnicity

Grad students should register under History 557.001.

War & Revol in China

Issues in Race & Ethnicity

Grad students should register under History 557.001.

Lit in African Hist

Reading Course

Topics in History

Islam and the West

Japan to 1700

Law & Soc in China

Mdvl Near East

Mid East Hist Top

Mid East Hist Top

Early SE Asian Hist Problems

Asian Hist Topics

US-China Relations in 20th C

Amer Bus History

History & Med in US

This course fulfills the colloquium requirement for History Majors, and filled by override only. Seats are restricted until April 10. Students interested in a particular section should contact Sheila (sheilaw@umich.edu) for seat availability.

Hist Colloquium

All sections of 497: These courses fulfill the colloquium requirement for History Majors and are filled by override only. Seats are restricted until April 10. Students interested in a particular section should contact Sheila (sheilaw@umich.edu) for seat availability.

Hist Colloquium
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This class will meet Friday, September 7, 2018 at 10:30 am in 2773 Haven to discuss future meeting dates.

Job Skills Colloquium
This class will meet in intervals, to be determined at the first session.
# History Of Art Department

## History of Art (HISTART) Open Sections

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

<table>
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<td>Gen&amp;Pop Cul</td>
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<td>1-2PM</td>
<td>180 TAP</td>
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STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.
### Visual Culture Afr
**Class #** 408  
**Location** G026 TISCH  
**Time** 230-4PM  
**Instructor** Silverman  
**Open Seats** 11  
**Pre Req** ADVISORY

### The Future of Africa’s Past
**Class #** 27772  
**Location** 270 TAP  
**Time** 10-1130AM  
**Instructor** Silverman  
**Open Seats** 12  
**Pre Req** ADVISORY

### Monumental Greek Sculpture
**Class #** 30509  
**Location** 130 TAP  
**Time** 10-1130AM  
**Instructor** Silverman  
**Open Seats** 17  
**Pre Req** ADVISORY

### Greek Vase Paint
**Class #** 31164  
**Location** 2455 MH  
**Time** 10-1PM  
**Instructor** Silverman  
**Open Seats** 35  
**Pre Req** ADVISORY

### Exhibiting Africa
**Class #** 489  
**Location** 49 UMMA  
**Time** 10-1PM  
**Instructor** Siegfried  
**Open Seats** 14  
**Pre Req** ADVISORY

### The Future of Africa’s Past
**Class #** 615  
**Location** 210 TAP  
**Time** 10-1PM  
**Instructor** Potts  
**Open Seats** 3  
**Pre Req** ADVISORY

### Modernity and Print Culture
**Class #** 689  
**Location** 270 TAP  
**Time** 10-1PM  
**Instructor** Carr  
**Open Seats** 12  
**Pre Req** ADVISORY

### Avant-Gardes/Legacies Today
**Class #** 890  
**Location** 270 TAP  
**Time** 10-1PM  
**Instructor** Nevett  
**Open Seats** 10  
**Pre Req** ADVISORY

### Museums (MUSEUMS) Open Sections
**Class #** 301  
**Location** 125 UMMA  
**Time** 10-11AM  
**Instructor** Taylor  
**Open Seats** 3  
**Pre Req** ENFORCED

**Class #** 309  
**Location** 125 UMMA  
**Time** 3-4PM  
**Instructor** Taylor  
**Open Seats** 6  
**Pre Req** ENFORCED

**Class #** 499  
**Location** 210 TAP  
**Time** 10-11AM  
**Instructor**  
**Open Seats** 18  
**Pre Req** ADVISORY

**Class #** 499  
**Location**  
**Time**  
**Instructor**  
**Open Seats** 24  
**Pre Req** ADVISORY

---

**Notes:**
- Undergrads may register with permission of instructor.
- Visual Art&Cult.Hist&Theory
- Modernity and Print Culture
- Avant-Gardes/Legacies Today
- Modernity and Print Culture
Honors Program

College Honors (HONORS) Open Sections

**135 Ideas in Honors**

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This section does not start the first week of classes. This section meets 9/28 through 11/30 with no class on 11/23.

Gaming as Educ Tool

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This section does not start the first week of classes. This section meets 9/12 through 10/31 with no class on 9/19.

**232 Honors Core NS**

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Your Inner Ape

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-005.

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Your Inner Ape

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Your Inner Ape

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**240 Hon Core Writing SS**

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The Games We Play

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-006.

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The Games We Play

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-006.

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The Games We Play

Students are auto-enrolled in lecture 007 when they elect one of discussions 008-010.

**241 Hon Core Writing HU**

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Westworld- Being Human

Students are auto-enrolled in lecture 010 when they elect one of discussions 011-014.

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Detroit and Gentrification Now

Students are auto-enrolled in lecture 005 when they elect one of discussions 006-007.

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Fall & Rise of American Empire

Students are auto-enrolled in lecture 001 when they elect one of discussions 002-004.

**250 Hon Sem Soc Sci**

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Opera, Gender and Culture

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Poetry & the Lang of Oppression

This course meets from 9/11 - 10/4.

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Poetry & the Lang of Oppression

This course meets from 9/11 - 10/4.

Students are auto-enrolled in lecture 001 when they elect discussion 002.

Students are auto-enrolled in lecture 001 when they elect discussion 002.
Humanities Institute
Institute For The Humanities (INSTHUM) Open Sections
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**Yiddish (YIDDISH) Open Sections**

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## College of Literature, Science, and the Arts

### Geography (GEOG) Open Sections

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Please note that the discussion sections for this class will meet approximately 8 times during the Fall 2018 term, instead of the Thursday lecture. Dates will be noted on the Fall 2018 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

| 20459 | A LEC 001 | TTH | 230-4PM | AUD B AH | Uehling |  |  |  |

Please note that there is not a time conflict between discussion and lecture. The discussion sections for this class will meet approximately 8 times during the Fall 2018 term, instead of the Thursday lecture. On days when discussion is held, lecture will not be. Dates will be noted on the Fall 2018 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

| 201  | **Intro Geography** | 4.00 | 2516 NUB |  |  |  |  |  |
| 11373 | P LAB 004 | W  | 10-12PM |  |  |  |  |  |
| 21779 | P LAB 005 | W  | 4-6PM |  |  |  |  |  |
| 22569 | P LAB 007 | F  | 10-12PM |  |  |  |  |  |
| 11372 | A LEC 001 | TTH | 1130-1PM | 1528 NUB | Gleason |  |  |  |
## LS&A First Year Seminars

### Applied Liberal Arts (ALA) Open Sections

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| 31193 | Guide: Liberal Arts | 1.00-2.00 | ENFORCED | 3347 MH | Hoffman |
| 34412 | | | | 3314 MH | Hoffman |

| 102 | Student in the Univ | 1.00 | ADVISORY | |

| 12034 | P | DIS 002 | T | 4-5PM | 1005 WO | |
| 12035 | P | DIS 003 | T | 4-5PM | 1005 WQ | Sanii |
| 16243 | P | DIS 005 | T | 8-9PM | G027 WQ | Johnson |
| 20107 | P | DIS 009 | TH | 4-5PM | 1005 WQ | Woods |
| 16240 | P | DIS 010 | TH | 8-9PM | G027 WQ | |

Limited to participants in MICHIGAN COMMUNITY SCHOLARS PROGRAM. CLASS MEETS SEPT 6 - NOV 15.

| 103 | Intro to Research | 1.00 | ADVISORY | |

| 12039 | P | REC 001 | T | 4-5PM | 1040 DANA | Olsen |

ALA 107 classes begin the week of Sept 10. Enrollment restricted to FY WISE RP students.

In addition to the regular class times, there will be two required sessions on Tuesday evenings from 6:00-8:00pm

| 107 | WISE RP Seminar | 1.00 | ADVISORY | |

| 20823 | P | LEC 001 | M | 3-430PM | 113 MOJO | Bass |

This class will meet from the week of Sept 10. Enrollment restricted to FY WISE RP students.

In addition to the regular class times, there will be two required sessions on Tuesday evenings from 6:00-8:00pm

| 112 | Intrgrp Dialogue | 3.00 | | |

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 Anti’Shay Thurman (phone: 936-1875; e-mail: antistay@umich.edu).

| 18622 | P | SEM 001 | W | 230-530PM | 170 WEISER | Hicks |

| 125 | Internship Success | 1.00 | | |

| 26195 | P | LEC 002 | TH | 530-730PM | 2062 PALM | Bates |

| 170 | ALA Topics | 1.00 | | |

| 26312 | P | LEC 003 | M | 7-9PM | 110 WEISER-TBL | Mahalingam |

BLI Leadership Lab

For permission into this class please contact Mary Schlitt (msargent@umich.edu)

| 28787 | P | LEC 004 | F | 10-12PM | 8589 CHÉM-TBLC | Mahalingam |

BLI Leadership Lab

| 28788 | P | LEC 005 | M | 7-9PM | 110 WEISER-TBL | Mahalingam |

BLI Peer Fac Training

| 28789 | P | LEC 006 | T | 6-8PM | 110 WEISER-TBL | Mahalingam |

BLI Leadership Lab

| 29027 | P | LEC 008 | | | ARR | Mahalingam |

BLI Peer Leader

For permission into this class please contact Mary Schlitt (msargent@umich.edu)

| 171 | Make the Most of UM | 1.00 | | |

| 28705 | P | SEM 003 | W | 530-730PM | ARR | Gurin |

This class will meet from the week of Sept 4 through Oct 20 in West Quad, G023.

| 28706 | P | SEM 004 | W | 530-730PM | ARR | Gurin |

This class will meet from the week of Sept 4 through Oct 20 in Bursley, McGraham-Siwik Lounge.

| 28707 | P | SEM 005 | W | 6-8PM | ARR | Gurin |

This class will meet from the week of Sept 4 through Oct 20 in Couzens, Living Room.

| 28708 | P | SEM 006 | W | 6-8PM | ARR | Gurin |

This class will meet from the week of Sept 4 through Oct 20 in East Quad, B834.

| 28709 | P | SEM 007 | W | 6-8PM | ARR | Gurin |

This class will meet from the week of Sept 4 through Oct 20 in Newberry, Audre Lorde Lounge.

| 28712 | P | SEM 010 | TH | 7-9PM | ARR | Gurin |

This class will meet from the week of Sept 4 through Oct 20 in West Quad, G023.

| 28713 | P | SEM 011 | TH | 530-730PM | ARR | Gurin |
This class will meet from the week of Sept 4 through Oct 20 in Couzens, Living Room.

28714 P R SEM 012 TH 6-8PM ARR Gurin 15 Y
This class will meet from the week of Sept 4 through Oct 20 in Bursley, McGraham-Siwik Lounge.

28715 P R SEM 013 TH 6-8PM ARR Gurin 2 Y
This class will meet from the week of Sept 4 through Oct 20 in South Quad, YK Lounge.

28716 P R SEM 014 TH 6-8PM ARR Gurin 1 Y
This class will meet from the week of Sept 4 through Oct 20 in East Quad, B852.

210 Del Crit Glob Issues 2.00
This class will meet in the West Quad Multi-Purpose room.

220 Foundations IGR 3.00 ENFORCED
28715 P R SEM 012 TH 6-8PM ARR Gurin 15 Y
This class will meet in Bursley, McGraham-Siwik Lounge.

223 Entrepreneur Crvltvty 3.00
28829 A LEC 001 W 1-230PM AUD D AH Peters 50 N
This class will meet in the West Quad Multi-Purpose room.

225 Undergrad Internship 1.00
31149 P R SEM 007 TTH 4-530PM 1460 MH Hwang 2 Y
This class will meet in the West Quad Multi-Purpose room.

230 STEM Transitions 1.00
28716 P R SEM 014 TH 6-8PM ARR Gurin 1 Y
This class will meet from the week of Sept 4 through Oct 20 in South Quad, YK Lounge.

230 STEM Transitions 1.00
31159 P R SEM 001 TH 1-230PM 1359 MH Bass 6 Y
This class will meet every other week beginning Sept 6, and will include two eventing lectures to be announced.

250 Critical Issues 1.00 ENFORCED
26190 P R LEC 001 TH 4-6PM 1112 SPH2 Dillard, Pituch, Sorensen 5 Y
Critical Issues in Education

26197 P R LEC 003 T 4-6PM 1210 WEILL Dillard, Pituch, Sorensen 3 Y
Critical Issues-Sustainability

270 ALA Topics 1.00 ENFORCED
28591 P R LEC 004 W 3-5PM G020 SPH2 Oehrli 14 N
Fake News, Lies, & Propaganda

29030 P R LEC 005 W 2-4PM ARR Carbone 2 N
Live Well in College & Beyond

29031 P R LEC 006 T 2-4PM ARR Pehlke 1 N
Live Well in College & Beyond

320 IGR Facilitation 3.00 ADVISORY
18656 PI SEM 001 MW 230-4PM 3463 AH Christensen 12 Y
Admission by application. PSYCH 122/SOC 122/ALA 122 strongly encouraged.

321 Dialog Prac 4.00 ADVISORY
26567 PI SEM 001 T 3-5PM ARR Arr 13 N
An additional 15 hours of seminar TBA. Questions regarding this course should be directed to the Intergroup Relations Program, 936-1875, 1214 S. University Ave, 2nd Floor, Suite B, Ann Arbor, MI 48104.

322 Advanced IGR Prac 1.00-4.00 ADVISORY
19579 PI LAB 002 W 230-430PM ARR Hicks 20 N
Contact Nitesh Singh at niteshs@umich.edu for room assignment.

323 IGR Directed Study 1.00-4.00 ADVISORY
19579 PI LAB 002 W 230-430PM ARR Hicks 20 N
Contact Nitesh Singh at niteshs@umich.edu for room assignment.

350 Predicting Future 3.00 ENFORCED
35087 P R LEC 002 TTH 830-10AM 4128 LSA Gibelyou 8 Y
Arch in a Mobile Classroom

370 ALA Topics 4.00 ENFORCED
26568 P R LEC 001 F 9-1PM ARR Arr 10 Y
Arch in a Mobile Classroom

421 Creat Inclusive Comm 2.00
28960 PI SEM 001 F 9-1PM ARR Arr 25 N
Arch in a Mobile Classroom

429 IGR Capstone 3.00 ADVISORY
23561 PI SEM 001 MW 10-1130AM G168 AH Maxwell 1 N
Arch in a Mobile Classroom

470 ALA Topics 2.00 ENFORCED
29296 PI LAB 001 TH 6-730PM ARR Wiseman 5 N
Arch in a Mobile Classroom

471 Lead Commun Building 1.00-3.00
28657 PI SEM 001 TH 3-5PM ARR Arr 13 N
Arch in a Mobile Classroom

472 Adv Lead Facil Comm 1.00-3.00
28658 PI SEM 001 T 3-5PM ARR Arr 15 N
Arch in a Mobile Classroom
This class will meet in Couzens 1417.

### University Courses (UC) Open Sections

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Spanish Language Section

Must be concurrently enrolled in either AMCULT 315-002 or HISTORY 377-002.

This class will meet the following Mondays:

- Sep 11, 18 & 25;
- Oct 2, 9 & 16;
- Nov 6 & 13;
- Dec 4.

Specific locations to be determined.

Scholarly Integrity PHYSICS

This class has changed titles - it is now Leadership & Management.
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**LSA II: Chinese Studies**

Chinese Studies (CCS) Open Sections
### LSA II: Islamic Studies Program

#### Islamic Studies (ISLAM) Open Sections

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Nahuatl Literature and Culture
# LSA II: Middle Eastern & North African Studies

Middle Eastern And North African Studies (MENAS) Open Sections

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Korean Studies (KRSTD) Open Sections
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LSA II: Russian, East European & Eurasian Studies

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LSA II: South East Asian Studies
Southeast Asian Studies (SEAS) Open Sections

Grad Colloq SEAS
29601 PD LEC 001 F 1130-1PM ARR 1.00 Castro 25 N

Intro SEA Studies
17409 PD SEM 001 T 6-9PM 1060 EH 3.00 6 Y

Intro Southeast Asian Studies
LSA II: Prog in Internatl’l & Comparative Studies

International Studies (INTLSTD) Open Sections

101 Int to Intl Studies 3.00
21184 P DIS 010 F 1130-1PM 2024 TISCH Cannon
Please note that the discussion sections for this class will meet approximately 8 times during the Fall 2018 term, instead of the Thursday lecture. Dates will be noted on the Fall 2018 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

20452 A LEC 001 TTH 230-4PM AUD B AH Uehling
Please note that there is not a time conflict between discussion and lecture. The discussion sections for this class will meet approximately 8 times during the Fall 2018 term, instead of the Thursday lecture. On days when discussion is held, lecture will not be. Dates will be noted on the Fall 2018 syllabus. Questions regarding this class should be directed to is-advising@umich.edu.

170 INTLSTD Spec Topics 1.00
25775 P R LEC 001 M 6-8PM 355 WEISER Sula
Network Intl Intern & Career
Please note that this course meets for a total of 6 sessions on the following dates: Monday, September 10th, 17th, 25th, October 1st, 8th, and 22nd, 2018.

204 Political Econ Long-Run Devel
384 Intl Topics in HU 4.00
31901 P R LEC 001 MW 230-4PM 1436 MH Roby
Blacks&Jews in the Arab World

31903 P R LEC 002 TTH 4-530PM 1436 MH Vinea
Globalization of Biomedicine

31720 Topics in GEH 4.00 ADVISORY, ENFORCED
31728 Globalization of Biomedicine
31718 T LEC 001 TTH 230-4PM 1400 CHEM Dincecco
Globalization of Biomedicine

389 Topics in CCI 4.00 ADVISORY, ENFORCED
26318 P R DIS 004 TH 1-2PM 7603 HH Quick
Colonial Latin America

26319 P R DIS 005 TH 1-230PM 2448 MH Espinoza
Colonial Latin America

Regional Section 004: Spanish Section. Registration for one additional University Course (UC 390) credit available after classes begin.

401 IS Advanced Seminar 3.00 ENFORCED
31475 P R SEM 005 TTH 4-530PM 2040 RUTHVEN Fadlalla
Fighting with Human Rights

34993 P R SEM 009 MW 4-530PM 1509 NUB Murray
Cities in Contemporary Africa

35309 P R SEM 010 MW 1-230PM 1509 NUB Chykina
Education Comp & Int’l Context

489 Advanced Topics 3.00 ADVISORY, ENFORCED
32001 P R LEC 001 M 1-4PM 2024 TISCH Herwitz
Hollyworld

491 Directed Studies 2.00-4.00 ADVISORY, ENFORCED
AR R ARR 24 N

Senior Honors

498 3.00 ENFORCED
21591 PDR SEM 001 F 10-12PM 355 WEISER Marcum
## Department of Linguistics

### Cognitive Science (COGSCI) Open Sections

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Lloyd Hall Scholars Program
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Publishing and Editing

Monsters and Beasts

Writing and Seeing

Writing Genres

Creative Communities

Independent Study

U of M Open Classes Only Schedule of Classes Page 163 of 308 FA 2018 2210 07-30-2018 02:07 20700154
## Macromolecular Sci & Engr Ctr

### Macromolecular Science (MACROMOL) Open Sections

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## Mathematics Department

### Mathematics (MATH) Open Sections

--MATH DEPARTMENT POLICY REQUIRES THAT STUDENTS ATTEND THE FIRST TWO CLASS MEETINGS (OR NOTIFY THE INSTRUCTOR IN ADVANCE OF THEIR ABSENCE) OR THEY MAY BE DROPPED FROM THE CLASS.

--STUDENTS SHOULD CHECK WOLVERINE ACCESS FOR SECTION AVAILABILITY AND SCHEDULE CHANGES.

--MATH DEPARTMENT POLICY LIMITS STUDENTS TO A TOTAL OF 4 CREDITS FOR COURSES NUMBERED BELOW 111.

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Auto-enrollment midterm exam

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**Evening exams for Math 115:** 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 003 TF 830-10AM 3427 MH 1 N**
- **P LEC 003 W 830-10AM 3411 MH 1 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 008 TF 830-10AM 2436 MH 3 N**
- **P LEC 008 W 830-10AM 2437 MH 3 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 009 TTH 830-10AM 3460 MH 1 N**
- **P LEC 009 F 830-10AM 3451 MH 1 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 010 MW 830-10AM 2333 MH 1 N**
- **P LEC 010 TH 830-10AM 2427 MH 1 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 011 MWF 10-1130AM 2449 MH 2 N**
- **P LEC 011 TWF 10-1130AM 2347 MH 2 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 031 MWF 1130-1PM 2449 MH 2 N**
- **P LEC 031 TWF 1130-1PM 2347 MH 2 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 048 W 1130-1PM 2437 MH 1 N**
- **P LEC 048 TH 1130-1PM 2437 MH 1 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 051 MWF 10-1130AM 2449 MH 2 N**
- **P LEC 051 TWF 10-1130AM 2347 MH 2 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 068 W 1230-4PM 2437 MH 2 N**
- **P LEC 068 TF 1230-4PM 2436 MH 2 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 072 MTTH 1230-4PM 3451 MH 1 N**
- **P LEC 072 TWF 1230-4PM 3451 MH 1 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 081 MWF 1230-4PM 3302 MH 1 N**
- **P LEC 081 TWF 1230-4PM 3302 MH 1 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 083 W 1230-4PM 3411 MH 2 N**
- **P LEC 083 TF 1230-4PM 3411 MH 2 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 088 W 1230-4PM 2437 MH 1 N**
- **P LEC 088 TF 1230-4PM 2436 MH 1 N**

Evening exams for Math 115: 8-10pm on Mon., Oct 8 and Mon., Nov 12. Avoid scheduling any class that conflicts with these exams.

115 Calculus I 4.00 ADVISORY
- **P LEC 089 TH 1230-4PM 3451 MH 10 N**
- **P LEC 089 F 1230-4PM 3460 MH 10 N**

This section is reserved for STEM-Comm learning communities. Please email Marybeth Bauer <bauermb@umich.edu> for permission to enroll.
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This section is reserved for CSP students. Permission from a CSP advisor is required. Please contact CSP for more information at 764-9128 or csp-4info@umich.edu.

EVENING EXAMS FOR MATH 116: 6-8PM ON MON, OCT 8 AND MON, NOV 12. AVOID SCHEDULING ANY CLASS THAT CONFLICTS WITH THESE EXAMS.

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32536 A MID 055 TH 6-8PM ARR
A MID 055 TH 6-8PM ARR

Auto-enrollment midterm exam

11633 A LEC 050 MWF 12-1PM 1360 EH Zaya
EVENING EXAMS FOR MATH 215: 6 - 8pm on Thurs, Oct 11 and Thurs, Nov 8. Avoid scheduling any class that conflicts with these exams. During the first week, labs do not meet before the first lecture.

32537 A MID 065 TH 6-8PM ARR
A MID 065 TH 6-8PM ARR

Auto-enrollment midterm exam

11638 A LEC 070 MWF 1-2PM 1360 EH Zaya
EVENING EXAMS FOR MATH 215: 6 - 8pm on Thurs, Oct 11 and Thurs, Nov 8. Avoid scheduling any class that conflicts with these exams. During the first week, labs do not meet before the first lecture.

11643 A LEC 080 MWF 2-3PM 1360 EH Ruan
EVENING EXAMS FOR MATH 215: 6 - 8pm on Thurs, Oct 11 and Thurs, Nov 8. Avoid scheduling any class that conflicts with these exams. During the first week, labs do not meet before the first lecture.

11649 P LAB 091 T 10-11AM B735 EH 1 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11650 P LAB 011 TH 8-9AM B745 EH 9 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11654 P R LAB 011 TH 8-9AM B745 EH 9 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11655 P R LAB 012 TH 9-10AM B745 EH 1 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11656 P R LAB 013 TH 1-2PM B745 EH 4 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11657 P R LAB 014 TH 2-3PM B745 EH 16 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11658 A R LEC 010 MWF 9-10AM 2260 USB Cianci
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

216 Intro Diff Equat 4.00 ADVISORY, ENFORCED 9 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11659 P R LAB 021 TH 10-11AM B743 EH 5 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11660 P R LAB 022 TH 11-12PM B743 EH 4 Y
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11661 P R LAB 023 TH 3-4PM B745 EH 4 Y
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11662 P R LAB 024 TH 4-5PM B745 EH 10 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11657 P R LAB 014 TH 2-3PM B745 EH 16 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11658 A R LEC 020 MWF 10-11AM 2260 USB Cianci
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32576 A R MID 015 TH 8-10PM ARR
A R MID 015 TH 8-10PM ARR

Auto-enrollment midterm exam

11664 P R LAB 031 T 8-9AM B745 EH 6 Y
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11665 P R LAB 032 T 9-10AM B745 EH 2 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11666 P R LAB 033 T 1-2PM B745 EH 2 Y
EVENING EXAMS: 8-10pm on Thurs, Oct 18 and Thurs, Nov 15. Avoid scheduling any class that conflicts with these exams.

11667 P R LAB 034 T 2-3PM B745 EH 5 Y
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U of M Open Classes Only Schedule of Classes Page 171 of 308 FA 2018 2210 07-30-2018 02:07 20700154
### Medieval and Early Modern Studies

**Medieval and Early Modern Studies (MEMS) Open Sections**

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**STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.**
# Molecular, Cellular, and Developmental Biology

## Molecular, Cellular and Developmental Biology (MCDB) Open Sections

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LECTURE AND LABS BEGIN MONDAY, SEPT. 10. PLACES MUST BE CLAIMED AT THE BEGINNING OF THE FIRST LAB MEETING. THREE EXTRA HOURS PER WEEK WILL BE REQUIRED IN ADDITION TO THE SCHEDULED LABS.

### Undergrad Research (MCDB 300)

- Winter Quarter
- Register by 9:00 AM on the first day of classes. Courses meet on Mon., Wed., and Fri., 10:30-12:30 PM in 1310 USB.
- Taught by：
  - David C. Spillane

### Genetics Laboratory (MCDB 306)

- Winter Quarter
- Register by 9:00 AM on the first day of classes. Courses meet on Mon., Wed., and Fri., 10:30-12:30 PM in 1310 USB.
- Taught by：
  - Huffman, Erb-Downward

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**U of M Open Classes Only Schedule of Classes**

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Near Eastern Studies Department

### Arabic Language (ARABIC) Open Sections

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**Middle East Languages (MELANG) Open Sections**

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31137 P REC 001 MW 1130-1PM 2265 NQ | 3.00 | Davis | 10 | Y |
31116 P REC 001 MW 10-1130AM 3205 MLB Muehlberger | 6 | Y |
450 Int Cent Asian Lang I | 4.00 | Northrop | 5 | Y |

**Middle East Studies (MIDEAST) Open Sections**

200 Intro to Middle East | 4.00 | 6 | Y |
10734 P DIS 002 F 9-10AM 2022 STB | 4.00 | 1 | Y |
10735 P DIS 003 F 11-12PM 2022 STB | 4.00 | 11 | Y |

201 Medical Trads in ME | 4.00 | 1 | Y |
31283 P DIS 002 F 10-11AM 506 BMT | 4.00 | 1 | Y |
31136 A LEC 001 MW 230-4PM 1518 NUB | 4.00 | 1 | Y |

207 Lnd Israel-Palestine | 4.00 | 11 | Y |
23570 P DIS 003 TH 5-6PM B122 MLB | 4.00 | 11 | Y |
23565 P DIS 004 F 9-10AM 2155 NQ | 4.00 | 11 | Y |
23571 P DIS 005 F 11-12PM 2155 NQ | 4.00 | 11 | Y |
23572 P DIS 006 F 12-1PM 2155 NQ | 4.00 | 11 | Y |
23573 P DIS 007 F 1-2PM 2135 NQ | 4.00 | 11 | Y |
23574 P DIS 008 F 3-4PM 1155 NQ | 4.00 | 11 | Y |

209 Food & Drink in MidE | 4.00 | 4 | Y |
31501 P DIS 002 F 10-11AM G311 DENT | 4.00 | 4 | Y |
31502 P DIS 003 F 12-1PM B3580 BUS | 4.00 | 4 | Y |
31500 A LEC 001 MW 10-1130AM G322 DENT | 4.00 | 4 | Y |

218 Armenia Cult&Ethn | 3.00 | 12 | Y |
29155 P LEC 001 TTH 1-230PM 2175 NQ Bardakjian | 3.00 | 12 | Y |

238 The Historical Jesus | 4.00 | 12 | Y |
25913 P DIS 003 F 1-2PM 2695 SPEH1A | 4.00 | 12 | Y |
18052 A LEC 001 MW 230-4PM 1028 DANA | 4.00 | 12 | Y |

240 Anc Egypt:Relig&Cul | 4.00 | 12 | Y |
31491 P DIS 002 F 12-1PM B2560 BUS Davis | 4.00 | 12 | Y |
31492 P DIS 003 F 2-3PM 1105 NQ Davis | 4.00 | 12 | Y |
31118 A LEC 001 MW 1-230PM 3254 LSA Davis | 4.00 | 12 | Y |

275 Intro Arab-Amer Std | 4.00 | 26.00 | 12 | Y |
23495 A LEC 001 TTH 4-530PM AUD D AH Stiffler | 4.00 | 26.00 | 12 | Y |

276 What is Judaism? | 4.00 | 12 | Y |
20343 P DIS 003 F 11-12PM 1155 NQ | 4.00 | 12 | Y |
20341 A LEC 001 MW 10-1130AM 3254 LSA Levinson | 4.00 | 12 | Y |

285 Visual Culture Islam | 4.00 | 12 | Y |
26050 P DIS 002 W 3-4PM 2212 MLB | 4.00 | 12 | Y |
26051 P DIS 003 F 11-12PM 180 TAP | 4.00 | 12 | Y |
30781 P DIS 004 F 10-11AM 180 TAP | 4.00 | 12 | Y |
26049 S LEC 001 MW 1130-1PM G127 AH Gruber | 4.00 | 12 | Y |

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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.
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# Philosophy Department

## Philosophy (PHIL) Open Sections

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## Interested students are encouraged to join the waitlist. Any decision about adding sections will be made based upon the number of students on the waitlist.

## Philosophy, Politics and Economics (PPE) Open Sections

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_U of M Open Classes Only Schedule of Classes Page 179 of 308  FA 2018 2210 07-30-2018 02:07 20700154_
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Physics Department

Physics (PHYSICS) Open Sections

---A STUDENT WHO DOES NOT ATTEND THE FIRST MEETING OF A BIOLOGY, CHEMISTRY, OR PHYSICS LAB MAY BE DROPPED FROM THAT OFFICIAL COURSE SCHEDULES MATCH THE COURSES THEY ARE ATTENDING.

---WAITLIST THROUGH WEB REGISTRATION AND THEN CHECK WITH THE PHYSICS STUDENT SERVICES OFFICE FOR PROCEDURES.

PHYSICS LABS 127, 128, 141,& 241 DON'T START UNTIL THE FIRST FULL WEEK OF CLASSES.

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U of M Open Classes Only Schedule of Classes Page 181 of 308 FA 2018 2210 07-30-2018 02:07 20700154
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.

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340 Waves Heat Light 3.00 ADVISORY, ENFORCED 19 Y
351 Meth Theoretical I 3.00 ADVISORY 17 Y
360 Honors Physics III 3.00 ADVISORY, ENFORCED 18 Y

There will be an additional tutorial on Mondays from 5:00-7:00 PM in 335 West Hall.

370 PhysChem Princip 3.00 ADVISORY, ENFORCED 20 Y

There will be an additional tutorial on Mondays from 5:00-7:00 PM in 335 West Hall.

390 Intro Modern Phys 3.00 ADVISORY, ENFORCED 35.00 21 N

391 Modern Physics Lab 2.00 ADVISORY, ENFORCED 13 N

The Physics Department does not anticipate opening additional sections of PHYSICS 391. If there is only one 391 section that will fit into a schedule of required coursework and there are no open seats, students are invited to email physics.sso@umich.edu to join a department-maintained waitlist for that section. Please include a name, UMID, and the three-digit section number for the class you wish to wait for. If a seat opens in that section, students will receive a permission enroll in PHYSICS 390+391 together.

25047 P R LAB 002 T 1-4PM 4265 RAND Ogilvie 2 N
25048 P R LAB 005 W 1-4PM 4265 RAND Akerlof 10 N

The Physics Department does not anticipate opening additional sections of PHYSICS 391. If there is only one 391 section that will fit into a schedule of required coursework and there are no open seats, students are invited to email physics.sso@umich.edu to join a department-maintained waitlist for that section. Please include a name, UMID, and the three-digit section number for the class you wish to wait for. If a seat opens in that section, students will receive a permission enroll in PHYSICS 390+391 together.

401 Intermed Mechanics 4.00 ADVISORY, ENFORCED 1 Y
402 Optics 3.00 ENFORCED 3 Y
405 Intermed Elec-Mag 4.00 ADVISORY, ENFORCED 12 Y

There will be an additional tutorial on Mondays from 5:00-7:00 PM in 335 West Hall.

415 Ug Special Problems 1.00-6.00 ADVISORY, ENFORCED 1 N
438 Elecmag Radiation 3.00 ENFORCED 26 Y
441 Advanced Lab I 3.00 ENFORCED 25.00 7 Y
442 Advanced Lab II 3.00 ENFORCED 25.00 7 Y
450 Lab Tech in BIOPHYS 3.00 ENFORCED 125.00 14 Y

There will be an additional tutorial on Mondays from 5:00-7:00 PM in 335 West Hall.

453 Quantum Mechanics 4.00 ADVISORY, ENFORCED 12 Y
501 First Yr Mini-Colloq 1.00 ADVISORY 5 Y
505 Elec&Magnetism I 3.00 ADVISORY 16 Y
510 Statistical 3.00 ADVISORY 11 Y
511 Adv Quantum Mech I 3.00 ADVISORY 14 Y
513 Quan Field Thry I 3.00 ADVISORY 25 Y
515 Supervised Research 4.00-6.00 ADVISORY 24 N
526 Cosmo II Late Univer 3.00 ADVISORY 12 Y
535 General Relativity 3.00 ADVISORY, ENFORCED 5 Y
540 Adv Cond Mat 3.00 ADVISORY 53 Y
541 Elem Particl Phy II 3.00 ADVISORY 7 Y
619 Solid State 3.00 ADVISORY 27 Y
628 Exp Collider Phys 3.00 ADVISORY 11 Y

Experimental Particle Physics
This course will be held in 348 West Hall.

650 Opt Wave Crystals 3.00 ADVISORY
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### Political Science (POLSCI) Open Sections

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

| 11820 | A LEC 001 TTH | 230-4PM | AUD A AH |
| 11833 | P DIS 006 F | 10-11AM | 3265 USB |
| 11836 | P DIS 009 TH | 4-5PM | 3733 CCRB |
| 26173 | P DIS 010 F | 1-2PM | 1265 NO |
| 26174 | P DIS 011 F | 2-3PM | G437 MH |
| 26277 | P DIS 013 F | 1-2PM | 1210 WEILL |
| 28266 | P DIS 016 TH | 5-6PM | B109 MLB |

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

| 11828 | A LEC 001 TTH | 10-1130AM | AUD 4 MLB |
| 11845 | P DIS 009 TH | 4-5PM | 3242 LSA |
| 27839 | P DIS 010 F | 10-11AM | 210 WH |
| 27840 | P DIS 011 F | 10-11AM | 2155 NO |
| 27896 | P DIS 013 F | 12-1PM | 2320 SEB |

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

| 11837 | A LEC 001 MW | 1-230PM | AUD B AH |
| 11847 | P DIS 002 W | 12-1PM | 1507 EQ |
| 11848 | P DIS 003 W | 1-2PM | B111 MLB |
| 11849 | P DIS 004 W | 2-3PM | 1804 SSWB |
| 11850 | P DIS 005 W | 4-5PM | 1155 NO |
| 11851 | P DIS 006 F | 12-1PM | 2229 SEB |
| 11852 | P DIS 007 TH | 4-5PM | 3741 CCRB |
| 11853 | P DIS 008 TH | 1-2PM | 1112 SPH2 |
| 11854 | P DIS 009 TH | 2-3PM | 1112 SPH2 |
| 24085 | P DIS 011 F | 9-10AM | 1511 EQ |
| 19896 | P DIS 013 F | 11-12PM | 3741 CCRB |
| 26175 | P DIS 014 F | 12-1PM | 1046 DANA |
| 26177 | P DIS 016 F | 2-3PM | G449 MH |

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

| 11846 | A LEC 001 MWF | 10-11AM | AUD A AH |
| 299 | POLSCI Internship | 1.00 ADVISORY |

**Students need to contact the Polsci Department for permission.**

| 300 | Quant Emp Mthd PolSci | 4.00 ADVISORY |
| 28162 | P DIS 002 TH | 6-7PM | 3356 MH |
| 28163 | P DIS 003 F | 9-10AM | 2175 NO |
| 28161 | A LEC 001 MW | 10-1130AM | G115 AH |

| 319 | Pol Civil Liberties | 4.00 ADVISORY |
| 30142 | A LEC 001 MW | 10-1130AM | AUD D AH |

| 329 | Media&Polit Behav | 4.00 |
| 19920 | A LEC 001 MW | 830-10AM | LEC RM 2 MLB |

| 331 | Env Pub Op Analysis | 3.00 |
| 24476 | P DIS 002 T | 430-6PM | 3325 DANA |
| 24474 | A LEC 001 TTH | 12-1PM | 1040 DANA |

| 353 | Arab-Israeli Conflt | 4.00 |
| 22621 | P DIS 002 W | 3-4PM | 2407 MH |
| 22620 | A LEC 001 TTH | 230-4PM | 1230 USB |

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

| 355 | Dem & Devt in Africa | 4.00 |
| 27330 | P DIS 003 W | 1-2PM | B101 MLB |
| 27328 | A LEC 001 MW | 230-4PM | 2356 MH |

| 368 | Modern Warfare | 4.00 ADVISORY, ENFORCED |
| 30140 | A LEC 001 MW | 830-10AM | G127 AH |

| 369 | Intl Economic Rel | 4.00 ADVISORY |
| 22639 | A L EC 001 MW | 4-530PM | AUD D AH |

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

| 383 | Pol Sci Rsrch Opp | 1.00-3.00 |
| 384 | Directed Studies | 1.00-3.00 |
| 385 | Special Topics | 2.00 |
| 27873 | P REC 001 MW | 8-10AM | 1401 MH |

**Students need to contact the Polsci Department for permission.**
Contemp Pol Theory Pol Margins
This course title will be "Contemporary Political Theory: Politics from the Margins".

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Law, Culture, and Identity
29096 | P  REC 008 M | 6-9PM | 1449 MH | Winkler |            |    |

International Legal Theory
32003 | P  REC 009 MW | 1-230PM | 1469 MH | Ostfeld |            |    |

The Latino Vote
Students who took POLSCI 489 "Politics of Latinidad" in Fall 2017 will not be permitted to take this class.

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

17674 | A  LEC 001 MW | 830-10AM | AUD B AH |         | Page |    |

393  | Inside Washington DC | 1.00 | ADVISORY |         |            |    |
| I  IND + | ARR | ARR |         |         | 10 | N  |

395  | Russ&SoV Un | 4.00 | ADVISORY |         |            |    |
| 11857 | A  LEC 001 TTH | 230-4PM | 260 WEISER | Suny |         |    |

398  | Wash Internship | 2.00 | ADVISORY |         |            |    |
| D  IND + | ARR | ARR |         |         | 10 | N  |

399  | Adv Internship | 3.00 | ADVISORY |         |            |    |
| I  IND + | M | 7-9PM | ARR |         | 16 | N  |

407  | Marxism&Radicalism | 3.00 | ENFORCED |         |            |    |
| 31751 | P  REC 001 MW | 1-230PM | 1449 MH | Tyler |         | 15 | Y  |

498  | Adv Tpcs in Pol Sci | 3.00 | ADVISORY |         |            |    |
| 27841 | P  REC 001 TTH | 4-530PM | LEC RM 1 MLB | Titunik |         | 23 | Y  |

541  | Computer Usage | 2.00 | ADVISORY |         |            |    |
| 11862 | P  LEC 001 F | 10-12PM | 7603 HH |         | 17 | Y  |

598  | Math for Scientists | 4.00 | ADVISORY |         |            |    |
| 24988 | P  DIS 002 T | 10-11AM | 7603 HH |         | 17 | Y  |

599  | Stat Method Pol Res | 4.00 | ADVISORY |         |            |    |
| 16212 | P  LAB 002 TH | 12-1PM | 7603 HH |         | 17 | Y  |

Security Studies Seminar
23787 | P  SEM 002 M | 1-3PM | G421B MH | Zhukov |         | 10 | Y  |
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---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 4.00
11872 A LEC 030 MW 1-230PM 1324 EH Buvinger
Students are auto-enrolled in Lec 030 when they elect a Dis 031-042.

21357 P R LEC 061 TTH 4-530PM 3021 EH Schreier
Students are auto-enrolled in Lec 061-062. Direct all questions to psych.saa@umich.edu.

21229 A LEC 001 TTH 4-530PM 170 WEISER Malley
Students are auto-enrolled in Lec 001 when they elect a Dis 002-013.

121 Sem in Psy-Nat Sci 4.00
31382 P R SEM 003 TTH 1-3PM AUD 3 MLB Schreier
Psych 111-061 LEC meets with Psych 111-060 LEC. Psych 111-061 is ONLY for students CURRENTLY ENROLLED IN THE SCHOOL OF NURSING. All other students should register or waitlist for Psych 111-060, or another Psych 111 or Psych 112 Lecture.

18683 P R SEM 001 W 230-530PM 170 WEISER Hicks

210 Intrgrp Dialogue 3.00
211 Project Outreach 3.00

18895 A LEC 001 TTH 4-530PM 3021 EH Gehring
Mind, Music & Community
http://sites.lsa.umich.edu/projectoutreach/. Email questions to project.outreach@umich.edu.

11877 P SEM 004 TH 4-6PM 296 WEISER Depowski
11875 P SEM 002 T 4-6PM 296 WEISER

213 Foundations IGR 4.00

225 Psy Human Sexuality 3.00
200 Ind Psych Issues 3.00

11893 A R LEC 001 TTH 1130-1PM 1324 EH Hoeffner
All sections meet from the 1st day of class, even if they occur before the 1st lecture.

222 Entrepreneur Crtylty 3.00

226 UG Psych Research 1.00-4.00

240 Intro to Cog Psych 4.00

242 Lang and Human Mind 4.00

250 Intro Dev Psych 4.00

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28134 P R DIS 003 TH 2-3PM B856 EQ Brassel    1 Y
28135 P R DIS 004 TH 9-10AM 471 LORCH Robotham    16 Y
31412 P R DIS 005 TH 9-10AM 1096 EH Brassel    1 Y
31413 P R DIS 006 F 12-1PM B834 EQ Robotham    6 Y
31414 P R DIS 007 F 11-12PM 1423 EQ Robotham    19 Y
28132 A R LEC 001 MW 830-10AM 1202 SEB Kira
401 Special Problems 1.00-4.00 ENFORCED
31415 P R SEM 013 TTH 4-530PM 1006 DANA Halawah    7 Y
Women in STEM
28140 P R SEM 016 MW 830-10AM 3021 EH Stein    7 Y
Intimate Partner Violence
PSYCH 401-015 topic title: Intimate Partner Violence: Causal Theories & Clinical Treatments.
VIEW COURSE DESCRIPTION HERE: http://myumi.ch/J7pAA
31416 P R SEM 016 MW 230-4PM ARR Blankenship    1 Y
Identity & Stigma in Society
31418 P R SEM 018 M 3-6PM 2265 NQ Cox    7 Y
Black Women in Media
31419 P R SEM 019 W 4-7PM 171 LORCH Blumstein    3 Y
Risk, Resilience, & Culture
32505 P R SEM 020 W 4-7PM ARR Wu    10 Y
Psyc of Self, Culture & Globalization
Psych 401-020 meets in the Pillsbury Room, East Hall
402 Special Problems 3.00 ADVISORY, ENFORCED
32442 P R SEM 001 F 10-1PM 3021 EH Munoz Velazquez    9 Y
Brain and Culture
PSYCH 402-001 Counts for Psych and BCN (Advanced Course) Majors!
404 Field Practicum
1 IND + ARR 1.00-4.00 ADVISORY 25 N
411 IGR Capstone
23607 PI SEM 001 MW 10-1130AM G168 AH Maxwell    1 N
421 Adv Reading Soc Sci
I IND + ARR 1.00-4.00 ADVISORY 24 N
422 Adv Research NS
I IND + ARR 1.00-4.00 ADVISORY 25 N
423 Adv Res Soc Sci
I IND + ARR 3.00-4.00 ADVISORY 25 N
424 Sr Hon Res I Nat Sci
I IND + ARR 2.00-4.00 ADVISORY 24 N
16703 AI SEM 001 F 10-1130AM B844 EH Shah
426 Sr Hon Res II Nat Sci
I IND + ARR 2.00-4.00 ADVISORY 24 N
16214 AI SEM 001 F 10-1130AM B844 EH Shah
Psych 426 meets in 260 Weiser.
439 Evol Endocrinology
31627 P LEC 001 TTH 1130-1PM 1567 NUB Beehner    11 Y
448 Math Psych
35106 P R LEC 001 W 3-6PM B247 EH Zhang    22 Y
457 Curr Topic Dev Psych
26440 P R SEM 001 W 11-2PM B852 EQ Carter    20 Y
Puberty and Early Adolescence
31589 P R SEM 003 W 10-1PM 1508 NUB Tardif    14 Y
Edutainment
34215 PIR SEM 004 W 10-1PM ARR Mcloyd    6 Y
Transitions to Adult
Psych 457-004 Please contact instructor at vcmcloyd@umich.edu if interested. Class is for advanced undergrads.
463 Stats Modeling in R
32658 P LAB 002 M 10-12PM 2334 SEB B810 EQ    6 N
32659 P LAB 003 M 1-3PM 2334 SEB B810 EQ    3 N
31624 P LAB 004 M 3-5PM 2334 SEB B810 EQ    9 N
31626 P LAB 005 T 9-11AM 2334 SEB B810 EQ    6 N
32657 A LEC 001 TTH 12-1PM 1423 EQ Marshall
487 Curr Topc Social Psy
31425 P R SEM 001 M 1-4PM B852 EQ Ybarra    15 Y
Intnl,Foolish&Stratgc SelfCont
519 Supervised Research 3.00 ADVISORY
23916 P LAB 006 ARR ARR Kitayama    5 N
25248 P LAB 014 ARR ARR Lustig    5 N
22949 P LAB 069 ARR ARR Konrath    5 N
25249 P LAB 073 ARR ARR Gearhardt    5 N
23917 P LAB 077 ARR ARR Lopez-Duran    5 N
26778 P LAB 080 ARR ARR Earl    1 N

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Positive Psychology

Psych Teach Academy

Adv Stat Methods

Supervised Research

Prosem in Biopsych

Surv of Social Psycc

Supervised Research

Mathematical Psych

Supervised Research

Sem in Biopsych

Physiological Psych

Atten & Cog Control

Dev Neurosci Hum Beh

Developmental Psych

Top Clin Sci & Pract

Psych Assessment I

Special Seminar

Urbanicity & Prosocial Development

Intrdisc Scholarship on Org St

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Romance Languages Department

Catalan (CATALAN) Open Sections

291  Intr Catalan Lg/Cult 3.00 ENFORCED
   27709  P R  REC 001  TTH  10-1130AM  B115A MLB  Coll Ramirez  8  Y
   27710  P R  REC 002  TTH  1130-1PM  B115A MLB  Coll Ramirez  10  Y

French (FRENCH) Open Sections

--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.
--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.
--All students must take action through the registration system to make sure that their official schedule of courses matches the courses they are attending.

101  Elementary 4.00 ADVISORY, ENFORCED
   24691  P R  REC 005  MTTHF 11-12PM  B109 MLB  VanDoren  1  Y
   2784  P R  REC 001  MTTHF 9-10AM  2212 MLB  Beuerlein  7  Y
   30253  P R  REC 003  MTTHF 11-12PM  2212 MLB  Beuerlein  11  Y

For students with no previous study or by placement. Students with any previous study of French or prior instruction in French must take the placement test before enrolling.

102  Elementary 4.00 ENFORCED
   231  Second Year 4.00 ENFORCED
   11367  P R  REC 001  MTTHF 8-9AM  B111 MLB  Kreps  1  Y
   23570  P R  REC 002  MTTHF 8-9AM  2330 MH  Hernandez-Vogt  2  Y

231  Second Year 4.00 ENFORCED
   23624  P R  REC 001  MTTHF 8-9AM  B137 MLB  Ames  9  Y
   23373  P R  REC 004  MTTHF 9-10AM  1508 EQ  Foster  2  Y

Stories and Storytelling

235  Advanced French 3.00 ADVISORY, ENFORCED
   31787  P R  REC 001  MWF  9-10AM  2047 RUTHVEN  Holterman  10  Y

Sociopolitical/Multicultural Issues

25776  P R  REC 005  MWF  12-1PM  1423 EQ  Catovic  2  Y
   18584  P R  REC 007  MWF  1-2PM  B135 MLB  Viers  1  Y

25776  P R  REC 005  MWF  1-2PM  1423 EQ  Catovic  2  Y

23332  P  DIS 002  W  1-2PM  130 TAP  1  Y
   23334  P  DIS 004  W  3-4PM  130 TAP  11  Y
   23335  P  DIS 005  TH  10-11AM  180 TAP  11  Y
   23336  P  DIS 006  TH  11-12PM  180 TAP  19  Y
   25191  P  DIS 007  TH  12-1PM  180 TAP  8  Y

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

23331  A  LEC 001  TTH  1-230PM  AUD D AH  Lay  1  Y

270  Fr Lit&Culture 3.00 ENFORCED
   25750  P R  REC 003  MW  230-4PM  B115A MLB  Jacaruso  6  Y

274  Societies&Culture 3.00 ENFORCED
   31890  P R  REC 001  MW  9-10AM  2402 MLB  Grant  9  Y

Things

267  Spok&Wr Performance 3.00 ENFORCED
   27569  P R  REC 001  MW  10-1130AM  2114 MLB  Paulson  3  Y

337  Sem in Translation 3.00 ENFORCED
   30311  P R  REC 002  MW  1-230PM  B113 MLB  Paulson  2  Y

350  Topics Fr Studies 3.00 ENFORCED
   35235  P R  REC 003  MW  4-530PM  2175 NQ  Hendrickson  2  Y

380  Intro French Linguistics 3.00 ENFORCED
   30305  P R  REC 002  MWF  10-11AM  2108 MLB  Moutinou  10  Y
   381  French Internship 3.00 ADVISORY, ENFORCED
   2260  PIR LEC 001  ARR  ARR  Kreps  8  N

368  Francophone Studies 3.00 ENFORCED
   30036  P R  SEM 001  T  2-5PM  4309 MLB  Joseph-Gabriel  10  Y

Italian (ITALIAN) Open Sections

--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.

Italian (ITALIAN) Open Sections

990  Diss-Precand 1.00-8.00 ADVISORY
   1  IND  +  ARR  ARR  24  N

995  Diss-Cand 8.00 ENFORCED
   1  IND  +  ARR  ARR  24  N
--Students with any previous study of Italian must take the Italian placement test before enrolling. Placement test
dates are online at:
www.lsa.umich.edu/rll/undergraduate/languageplacement/languageplacementtests.
--All students must take action through the registration system to make sure that their official schedule of
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Portuguese (PORTUG) Open Sections

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Brazilian Culture/Times Crisis
Students who are interested in enrolling in this course but have not completed Portuguese 287 should contact the
instructor.

Romance Languages and Literatures (ROMLANG) Open Sections

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Romance Linguistics (ROMLING) Open Sections

Spanish (SPANISH) Open Sections

--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.
--Students with any previous study of Spanish must take the Spanish placement test before enrolling. Placement test
dates are online at:
www.lsa.umich.edu/rll/undergraduate/languageplacement/languageplacementtests.
--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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### Sweetland Center for Writing

**Gayle Morris Sweetland Center for Writing** (WRITING) Open Sections

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</table>

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 classes. 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.

**Normal waitlist procedures apply for students who attend the first two classes. 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.**

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This course open to UNDERGRADUATES only. Meets 10/29/18 -- 12/10/18. As per Sweetland policy, students cannot add a mini course after the second class meeting (11/05/18).

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This class is for UNDERGRADUATES only.
## SRC-PSM Graduate Program

### Survey Methodology (SURVMETH) Open Sections

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**Fundamentals of Survey Methods**
- Contact: michpsm.isr@umich.edu with questions. All students interested in survey methodology are encouraged to take this course.

**Fundamentals of Data Coll. I**
- Department permission and prerequisites required. Contact: michpsm.isr@umich.edu

**Survey Methodology departmental permission required.**
- Contact: michpsm.isr@umich.edu
## Screen Arts and Cultures

### Screen Arts and Cultures (SAC) Open Sections

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### Slavic Languages & Lit Dept

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**NOTE** - ALL NON-LANGUAGE COURSES TAUGHT IN ENGLISH, EXCEPT WHERE NOTED.
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  - PREREQ: ADVISORY
  - LAB FEE: 0
  - Open Seats: 13

- **251 2nd Year Ukrainian**
  - CR: 4.00
  - PREREQ: ENFORCED
  - LAB FEE: 16

### Ukrainian (UKR) Open Sections

- **151 1st Year Ukrainian**
  - CR: 4.00
  - PREREQ: Bondarenko
  - LAB FEE: 16

- **590 Special Topics**
  - CR: 1.00-3.00
  - PREREQ: Polaff
  - LAB FEE: 20

- **800 How to Make a Book**
  - CR: 1.00
  - PREREQ: Paloff
  - LAB FEE: 21
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Ukrainian for Russian Speakers

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--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.

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Sociology majors should elect this course during their sophomore year. Honors majors should enroll in SOC 210, STATS 250 (350) or its equivalent prior to beginning the Honors course sequence in the winter term of the junior year.

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Wealth & Poverty in America

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Open Seats may not accurately reflect the number of seats available in a discussion section. See the FAQ at https://sites.lsa.umich.edu/projectcommunity/ for more information.
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STUDENTS ARE AUTO-ENROLLED IN LECTURE WHEN THEY ELECT A DISCUSSION.

U of M Open Classes Only Schedule of Classes Page 208 of 308 FA 2018 2210 07-30-2018 02:07 20700154
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Statistics Department

Statistics (STATS) Open Sections

--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.

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Labs taught in 2244 USB are Bring Your Own Laptop labs.

If you have any questions, please contact statsugradprogram@umich.edu

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Exam 1 Thursday 10/18 6-7:30 pm
Exam 2 Thursday 11/15 6-7:30 pm
Final Exam Thursday 12/13 7:30-9:30pm

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Office of International Programs

Study Abroad (STDABRD) Open Sections

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Women's Studies Department
Womens Studies (WOMENSTD) Open Sections

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
29065  P R SEM 002  TTH 4-530PM 3304 MLB Tsoffar
Film, Fiction & Female Israel

211  Gen&Pop Cul
28352  P DIS 007  F 10-11AM G040 TISCH
45705  P DIS 010  W 4-5PM 130 TAP Ward
35706  A LEC 001  TH 10-1130AM AUD B AH Ward

220  Women's Hlth
12075  A LEC 001  W 530-730PM AUD 3 MLB Bailey
Perspectives in Women's Health

225  Psy Human Sexuality
26056  P DIS 002  T 9-10AM 269 WEISER
26057  P DIS 005  T 4-5PM 4088 EH
26058  P DIS 006  W 10-11AM B852 EQ
26059  P DIS 007  W 11-12PM 335 WH
26060  P DIS 008  W 12-1PM B830 EQ
26061  P DIS 009  W 2-3PM B834 EQ
26062  P DIS 010  W 4-5PM B852 EQ
26063  A LEC 001  TH 4-6PM 182 WEISER Conley

240  Intro Women Stdy
12098  P DIS 002  W 4-6PM B124 MLB
34232  P DIS 017  TH 10-12PM 2265 NQ Simmons
34233  P DIS 018  TH 4-6PM 210 TAP Simmons
12088  A LEC 001  MW 2-3PM AUD A AH Simmons

257  Soc Science Topics
33249  P LEC 001  T 5-8PM 1000 SNB Mutumba
Global AIDS Epidemic

300  Men's Health
30544  P DIS 003  T 5-6PM B137 MLB
30545  P DIS 004  W 9-10AM B137 MLB
30518  A LEC 001  T 2-4PM 2250 SNB Johnson

307  Medicine & Healing
21959  P DIS 002  M 4-5PM 1068 EH
21983  P DIS 004  F 12-1PM 418 WH
22207  P DIS 005  T 9-10AM 335 WH
21957  A LEC 001  MW 1-230PM 260 WEISER Roberts

313  Top Gender Hums
31257  P SEM 004  TTH 10-1130AM B834 EQ
Opera, Gender and Culture
31472  P SEM 005  MW 230-4PM 2330 MH
American Autobiography
31256  P LEC 010  TTH 4-530PM 2336 MH

315  How To Be Gay
32189  A LAB 011  TH 6-9PM 2336 MH
How To Be Gay

324  ModernistWomenWriters1900-1945
32819  P DIS 003  F 1-2PM G020 SPH2 Keran, Zemgulys
19953  A LEC 001  TTH 1130-1PM 4151 USB Zemgulys

330  Feminist Thought
22600  P DIS 002  M 12-1PM 173 LORCH
22601  P DIS 003  M 3-4PM B3570 BUS
22602  P DIS 004  T 12-1PM 2228 SEB
22603  P DIS 005  W 9-10AM 1512 NUB
22604  P DIS 007  F 11-12PM 2346 SEB
22599  A LEC 001  MWF 10-11AM 1040 DANA Florusbosch

344  Topic Gender&Culture
23794  P SEM 001  TTH 7-915PM 2126 A&AB Jacobsen
Photography; Race & Gender

425  Fem Pract Oral Hist
30497  P SEM 001  MW 830-10AM B116 MLB

431  Advanced Top LGBTQ
31258  P SEM 001  W 6-9PM 1460 MH Halperin
Queer Love

433  Adv Top Gender Race
25233  P R SEM 001  TTH 12-130PM DANSE STUDIO B Croft
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<td>Hum Neuroanat I</td>
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<td>571</td>
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<td>852</td>
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**STUDENTS MAY BE DROPPED FROM THE COURSE FOR NON-ATTENDANCE ON THE FIRST CLASS DAY.**

Sullivan, Stribley, Alsup, Orczykowski, Brzezinski, Barnosky, Fox

8 N

Sullivan, Altschuler

3 N

Sullivan, Altschuler

14 N

Brzezinski

27 N

Brzezinski

20 N
Anesthesiology Department
Anesthesia (ANESTH) Open Sections

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12108 P SEM 001 ARR ARR
### Bioinformatics

#### Bioinformatics (BIOINF) Open Sections

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Sept. 12 and Sept. 26 are in another location. Students must confirm meeting room with the instructors.

Class is located in Rm. 2130 USB

Students are required to provide their own laptop for class.

Class is held Monday, August 24th through Friday, August 28th 9am-4pm in SPH I room 3755

To be held in room 2813/2817 MS II.

Class will meet in room 2813/2817 MS II.

To be held in room 2813/2817 MS II.

Class is held Monday, August 24th through Friday, August 28th 9am-4pm in SPH I room 3755
# Biological Chemistry Department

## Biological Chemistry (BIOLCHEM) Open Sections

<table>
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Class will meet on Medical Campus, Room 4560C MSRB 2 on Tues and Thurs.
# Program in Biomedical Sciences

## Biomedical Sciences (PIBS) Open Sections

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<td>12117</td>
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<td>ARR</td>
<td>ARR</td>
<td>Barald</td>
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Courses arranged by student. Must complete required number by end of term.

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<th>CAT#</th>
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<td>2.00</td>
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<td>38</td>
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<td>2901 THSL</td>
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Class starts Sept 4th, 2018. Undergraduates may enroll with instructor permission and override.

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<th>LAB FEE</th>
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<td>R IND + ARR</td>
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<td>ARR</td>
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This class is for first year graduate students in the PIBS umbrella programs.

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Class starts Sept 4.

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You must be a first year PIBS graduate student to be enrolled in this course. See Canvas Class website schedule for details.
Cancer Biology Graduate Program

Cancer Biology (CANCBIO) Open Sections

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<td>800 Cancer Biol Sem</td>
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<td>2813 MSC2</td>
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This course meets every Wednesday from 4 - 5 pm
Location: 2813/2817 Med Sci II
## Cell and Developmental Biology

### Cell and Developmental Biology (CDB) Open Sections

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*PhD students will have preference over Masters students and undergraduate students for enrollment.

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U of M Open Classes Only Schedule of Classes  Page 224 of 308  FA 2018 2210 07-30-2018 02:07 20700154
Cellular and Molecular Biology

Cellular And Molecular Biology (CMBIOL) Open Sections

630  Genetics  1.00  ADVISORY
    13733  PD  LEC 001  TTH  3-4PM  ARR  Fuller, Moran  198  N
MUST BE A PIBS, CMB, OR GENETICS TRAINING GRANT STUDENT TO REGISTER!!
"Wiring the Nervous System in Health and Disease"
Sep 25 - 3pm (M3330 MS I)
Sep 27 - 3pm (M3330 MS I); 4pm (SLH)
Nov 13 - 3pm (M3330 MS I); 4pm (NLH)
Nov 20 - 3pm (M3330 MS I); 4pm (NLH)
Nov 27 - 3pm (M3330 MS I); 4pm (NLH)

850  Seminar  1.00-2.00
    12119  P  SEM 021  M  12-1PM  ARR  Fuller  73  N
Student Seminar Series
Only graduate students in the Cellular and Molecular Biology Program (or PIBS-CMB) can register for this course.

990  Diss-Precand  1.00-8.00  ADVISORY
    IND +  ARR  ARR  25  N

995  Diss-Cand  8.00  ENFORCED
    R  IND +  ARR  ARR  25  N
Dermatology Department
Dermatology (DERM) Open Sections
<table>
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<th>PREREQ</th>
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### Department of Learning Health Sciences

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This class will meet in room 6215 THSL, with the exception of November 5 when it will meet in room 6000 THSL for one time only.

This class will meet in room 6215 THSL September 5-October 14 and November 21-December 5; it will meet in room 6225 THSL October 17-November 14.

This class will meet in room 6215 THSL with the exception of November 5 when it will meet in 6000 THSL and December 10 when it will meet in room 6235 THSL.

This class will meet in room 6215 THSL with the exception of November 5 when it will meet in 6000 THSL and December 10 when it will meet in room 6235 THSL.

### Medical Education (MEDEDUC) Open Sections
Medical School

Family Medicine (FAMMED) Open Sections
### Medical School Administration

#### Immunology (IMMUNO) Open Sections

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Microbiology And Immunology

Microbiology (MICRBIOL) Open Sections

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Students who join the waitlist will be auto-issued a permission within 24 hrs. and will be able to register themselves at that time.
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Center For Neuroscience

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Cog Neuro of Consciousness

The study of consciousness is considered a fundamental scientific and philosophical pursuit. How does information processing in the brain generate experience? How do we objectively capture what is, by definition, a subjective event? As philosopher Colin McGinn puts it, how do we get from the water of the brain to the wine of consciousness? I have recently started a Center for Consciousness Science at the UM Medical School to help address these very questions.

As an educational activity and the Center (and as a NGP faculty), I am conducting a combined reading/lecture course (NS-704) this upcoming semester on "The Cognitive Neuroscience of Consciousness." The study of consciousness is sometimes decomposed into "levels of consciousness" (awake vs. asleep vs. anesthetized vs. comatose) and "states of consciousness" (assuming I am already conscious, why do I see a blue triangle rather than a red square?). We will explore both of these dimensions and likely have some visiting lecturers/discussants to help us along the way.

The subject of consciousness motivated many of us to choose the field of neuroscience. I hope you will join me next month as we explore a fascinating question that has scientific, philosophical, clinical, and even existential implications. Even if you don't want to formally sign up for the course, you are welcomed to attend and participate.

What: NS704, The Cognitive Neuroscience of Consciousness
Who: Neuroscience and psychology students (and other interested people)
When: Fall semester, Wednesdays at Noon (pizza will be served!)
Where: Medical School, Med-Sci I, 7th floor conference room (#7433D)

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Ophthalmology Department
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Pediatrics & Comm Diseases Dep
Pediatrics (PEDIAT) Open Sections
## Pharmacology Department

**Pharmacology (PHRMACOL) Open Sections**

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This course is limited to students appointed to the PSTP training grant. This course meets at 5:00pm on the second Tuesday of each month in 1301 MSRB III.

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| 627         | Top Trans Res & JClub                      | 3.00      |                    | 25         | N  |

Meets in 2813 Med Sci II.

| 640         | Intro Trans Sci                            | 2.00      |                    | 8          | N  |

Meets in room 6000 THSL, except 10/15 and 11/5 which will be in 2901 THSL.

| 646         | Special Topics                             | 0.50-1.00 | ADVISORY           | 23         | N  |

Only for Pharmacology Graduate Students. Meets in room 2901 THSL.

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Physiology Department

Physiology (PHYSIOL) Open Sections
### PreMedical PostBaccalaureate Program

#### Post-Baccalaureate Premedical Program (MEDPREP) Open Sections

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Fdns Physicians - 1

Fndns Physicians - III

Science of Medicine

Science of Med (pb)
Psychiatry Department
Psychiatry (PSYCHIAT) Open Sections

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Radiation Oncology
Radiation Oncology (RADONCO) Open Sections
Surgery Department
Surgery (SURGERY) Open Sections

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U of M Open Classes Only Schedule of Classes
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) Open Sections

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This is an intermediate level course that builds on the skills in urban/commercial-style Hip Hop moves and rapid level changes for floor work. Choreography is provided and students will be able to develop according to individual style, ability, and personal interpretation. The history of this genre is examined through a commercial dance lens and elements of Hip Hop dance, as well as the role of dance in Hip Hop culture. There is also an opportunity for Freestyle, Old Style, Poppin’, Lockin’, and popular commercial dance styles such as Street Jazz and Jazz Funk. Students registered for this class should have taken some form of prior Hip Hop training/classes.

Intermediate Hip Hop

This class meets in Studio A. It is combined with a non-major section. 20 spots are available for majors and 15 spots are available for non-majors.
211 Ballet II 1.00 ADVISORY
P LAB 002 TH 10-1130AM DANCE STUDIO D 1.00 ADVISORY

213 Ballet II 1.00 ADVISORY
20559 PD LAB 001 MW 2-330PM DANCE STUDIO B Beck 1.00 ADVISORY

221 Sophomore Repertory 1.00 ADVISORY
20543 PD LAB 001 M 4-6PM DANCE STUDIO A Wilson 135 Y

221 Sophomore Repertory 1.00 ADVISORY
20544 PD LAB 002 M 4-6PM DANCE STUDIO D Deyoung Jr 135 Y

221 Sophomore Repertory 1.00 ADVISORY
20545 PD LAB 003 T 6-8PM DANCE STUDIO A 135 Y

Guest Rep
26966 PD LAB 004 T 6-8PM DANCE STUDIO B Hopper 128 N

Guest Rep
26967 PD LAB 005 F 4-530PM DANCE STUDIO A Harge 130 N

227 Dance Laboratory 1.00 ADVISORY
20194 PD LAB 001 F 12-2PM DANCE STUDIO A Deyoung Jr 103 Y
Modern
20195 PD LAB 002 F 12-2PM DANCE STUDIO D West 117 Y

Ballet
20519 P LAB 004 F 2-4PM DANCE STUDIO D Biza 85 Y

Congoese
32905 PD LAB 005 TTH 9-10AM ARR Foust 17 Y
Intermediate Hip Hop
This class meets in Studio A. It is combined with a non-major section. 20 spots are available for majors and 15 spots are available for non-majors.

231 Dance Comp 3 2.00 ADVISORY
20554 PD LAB 001 TTH 2-330PM DANCE STUDIO D Torijano 8 Y

242 Int Music Move 2.00 ADVISORY
29129 PI LAB 001 MW 10-12PM DANCE STUDIO C Matijas-Mecca 9 N

Class takes place in Studio C from 10-11am and then moves into Studio D from 11am-12pm for movement portion of class.

261 Congoese 1 1.00
20553 P LAB 001 TTH 4-530PM DANCE STUDIO D Biza 21 Y

265 Afro-Caribbean 1.00
32766 PD LAB 001 TTH 10-1130AM DANCE STUDIO A Wilson 20 Y

291 Sophomore Seminar 2.00 ADVISORY
28735 PD LAB 001 TH 430-630PM 706 BMT Croft 8 N

301 Modern Dance III 1.00 ADVISORY
28731 PD LAB 001 TTH 12-130PM DANCE STUDIO A Chavasse 77 Y

311 Ballet III 1.00 ADVISORY
20562 PD LAB 001 TTH 830-10AM DANCE STUDIO D Rice 47 Y

313 Ballet III 1.00 ADVISORY
20620 PD LAB 001 MW 12-130PM DANCE STUDIO D West 25 Y

321 Junior Repertory 1.00 ADVISORY
20546 PD LAB 001 M 4-6PM DANCE STUDIO A Wilson 135 Y

321 Junior Repertory 1.00 ADVISORY
20547 PD LAB 002 M 4-6PM DANCE STUDIO D Deyoung Jr 135 Y

321 Junior Repertory 1.00 ADVISORY
20548 PD LAB 003 T 6-8PM DANCE STUDIO A Harge 135 Y

Guest Rep
26968 PD LAB 004 T 6-8PM DANCE STUDIO B Hopper 128 N

Guest Rep
26969 PD LAB 005 F 4-530PM DANCE STUDIO A Harge 130 N

327 Dance Laboratory 1.00 ADVISORY
20197 PD LAB 001 F 12-2PM DANCE STUDIO A Deyoung Jr 103 Y
Modern
20198 PD LAB 002 F 12-2PM DANCE STUDIO D West 117 Y

Ballet
20199 PD LAB 003 F 2-4PM DANCE STUDIO A Hirina 15 Y

Yoga/Pilates Lab
20520 P LAB 004 F 2-4PM DANCE STUDIO D Biza 85 Y

Congoese
32906 PD LAB 005 TTH 9-10AM ARR Foust 17 Y
Intermediate Hip Hop
This class meets in Studio A. It is combined with a non-major section. 20 spots are available for majors and 15 spots are available for non-majors.

391 Thesis Project Lab 1.00 ADVISORY
30044 PD LAB 001 ARR ARR Fogel 1.00 ADVISORY

401 Modern Dance IV 1.00 ADVISORY
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This class meets in Studio A. It is combined with a non-major section. 20 spots are available for majors and 15 spots are available for non-majors.

U of M Open Classes Only Schedule of Classes Page 251 of 308
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School of Music, Theatre and Dance

Arts Administration (ARTSADMN) Open Sections

410 Arts Entrep Forum 1.00
28677 P LEC 001 ARR ARR Kuuskoski 12 N
Students receive 1 credit in section 001 for attending a minimum of 10 qualifying EXCEL seminars and completing post-workshop reflective exercises, attending an introductory and a final discussion session, and submitting a final essay.

491 Internship 1.00-3.00
1 IND + ARR ARR Kuuskoski 25 N

493 Special Projects 1.00-3.00
1 IND + ARR ARR 25 N

495 EXCELerator Projects 1.00
P LEC 001 T 1030-130PM 2443 WDC Dworkin 1 Y

506 Special Topics 3.00
25044 P LEC 001 T 1030-130PM 2443 WDC Dworkin 1 Y

510 Arts Entrep Forum 1.00
28678 P LEC 001 ARR ARR Kuuskoski 12 N
Students receive 1 credit in section 001 for attending a minimum of 10 qualifying EXCEL seminars and completing post-workshop reflective exercises, attending an introductory and a final discussion session, and submitting a final essay.

522 Writing Abt Your Art 1.00
30912 P LEC 001 T 630-830PM 2044 MOORE Kuster, Kuuskoski 5 N

591 Internship 1.00-6.00
1 IND + ARR ARR Kuuskoski 25 N

593 Special Projects 1.00-3.00
1 IND + ARR ARR 25 N

595 EXCELerator Projects 1.00-3.00
1 IND + ARR ARR 25 N

Cello (CELLO) Open Sections

450 Performance Lab 1.00
20085 P LAB 159 TTH 230-430PM 2058 MOORE Elliott 33 N

450 Performance Lab 1.00
230-430PM ARR 33 N

550 Performance Lab 1.00
12314 P LAB 178 TH 230-330PM 1380 SM Aaron 33 N

550 Performance Lab 1.00
P LAB 178 T 230-430PM ARR 33 N

550 Performance Lab 1.00
22135 P LAB 159 TTH 230-430PM 2058 MOORE Elliott 33 N

550 Performance Lab 1.00
P LAB 159 T 230-430PM ARR 33 N

550 Performance Lab 1.00
22136 P LAB 178 TH 230-330PM 1380 SM Aaron 33 N

550 Performance Lab 1.00
P LAB 178 T 230-430PM 1380 SM 33 N

Chamber Music (CHAMBER) Open Sections

470 Chamber Collective 1.00-2.00 ADVISORY
31994 P LAB 001 MTH 7-830PM 1350 SM Albert 23 N

570 Chamber Collective 1.00-2.00 ADVISORY
31995 P LAB 001 MTH 7-830PM 1350 SM Albert 23 N

Clarinet (CLARINET) Open Sections

111 Performance 2.00
25539 P REC 001 ARR ARR 12 N

Composition (COMP) Open Sections

415 Intro Electron Mus 2.00
22934 P LAB 003 W 930-1030AM 2026 MOORE Santos 1 Y

421 Creative Comp 3.00 ADVISORY
13119 P R LEC 001 T 130-330PM 1370 SM Etezady 7 Y

425 Undergrad Seminar 1.00 ADVISORY
13126 P R SEM 001 P 330-530PM 2044 MOORE Chambers 9 N

515 Intro Electron Mus 2.00
22937 P LAB 002 M 430-530PM ARR Santos, Simon 5 Y

526 Adv Stdy Elec Mus 2.00-4.00 ENFORCED
21176 A LEC 001 TH 430-6PM 1350 SM Santos 5 Y
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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 Susan Walton swalton@walton
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 Susan Walton swalton@walton.
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**Euphonium-Baritone (EUPHBARI) Open Sections**

**Flute (FLUTE) Open Sections**

**Fortepiano (FPIANO) Open Sections**

**Guitar (GUITAR) Open Sections**

**Harp (HARP) Open Sections**

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U of M Open Classes Only Schedule of Classes  
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FA 2018 2210 07-30-2018 02:07 20700154
Jazz & Improvisational Studies (JAZZ) Open Sections

113 Jazz Piano
17190 PIR LAB 001 F 930-1030AM ARR Rowe
Class will meet in Studio: SM 2220. Jazz Majors Only.

18232 PIR LAB 002 W 930-1030AM ARR Rowe
Class will meet in Studio: SM 2220. Jazz Majors Only.

220 Basic Musicianship I
16379 PIR LEC 001 TTH 830-1030AM 2058 MOORE Kirschenmann, Miller
450 Contemplative Pract Sem 2.00 ADVISORY
16536 PI SEM 001 T 2-4PM 202 STRNS Travers
26688 PI SEM 004 TH 530-730PM 202 STRNS Travers

545 Special Topics
17534 PI LEC 001 ARR ARR Sarath 1.00-2.00

Rhythmic Training
Jazz majors only. Sophomore and above. This course seeks to improve the musician’s rhythmic acuity through training in three main areas: Time (ability to keep a steady beat and flow), Phrasing (how things are placed in time), and Feel (rhythmic nuance, swing, groove, pocket). Most coursework will be completed with exercises in singing and clapping, using standard Jazz repertoire.

466 Jazz Improv I
13222 PIR LAB 001 TTH 1230-130PM 1378 SM Rowe

468 Jazz Composition I
13223 PI LEC 001 TTH 1230-130PM 2044 MOORE Bishop

469 Jazz Arranging I
16098 PI LEC 001 MW 1-230PM ARR Wilson

554 Jazz Special Topics
22389 PI SEM 001 MW 1-2.00 1378 SM Sarath
26759 PI SEM 003 T 930-1030AM 1378 SM Okazaki

Rhythmic Training
This course seeks to improve the musician’s rhythmic acuity through training in three main areas: Time (ability to keep a steady beat and flow), Phrasing (how things are placed in time), and Feel (rhythmic nuance, swing, groove, pocket). Most coursework will be completed with exercises in singing and clapping, using standard Jazz repertoire.

576 Contemp Imp
13228 PIR LAB 001 T 1130-130PM 1378 SM Sarath

Music Education (MUSED) Open Sections

111 Art of Mus Teach
20029 P LEC 001 TH 1230-230PM 1370 SM Skadsem

121 Tech for Music Ed
21917 P R LAB 001 W 5-7PM 378 SM Rodriguez

201 Tch Str Instr I
13229 P LEC 001 TH 8-930AM 2032 MOORE Hopkins

201 Tch Str Instr I
16379 P LEC 001 TH 8-930AM 2032 MOORE Hopkins

203 Tch Woodwind Instr I
16330 P REC 001 TH 1030-1230PM 2044 MOORE Conway

205 Tch Brass Instr I
13230 P REC 001 TTH 1030-1230PM 2044 MOORE Conway

207 Tch Percuss Instr I
13231 P REC 001 MW 830-930AM 1380 SM Bernstein, Fitzpatrick

362 Sec Inst Meth
25966 P LEC 001 TTH 1230-230PM 2058 MOORE Fitzpatrick

372 Sec Inst Meth
13231 P REC 001 MW 830-930AM 1380 SM Bernstein, Fitzpatrick

Fieldwork Experience
442 Chor Cond Tec&Rp
13233 P SEM 001 MW 230-4PM 2038 MOORE Stover

475 String Pedagogy I
26704 P LAB 001 T 830-1130AM 1370 SM Mutter

Suzuki Pedagogy: Violin/Viola
31239 P LAB 002 T 830-1130AM 1374 SM Yun

Cello
490 Spec Proj&Readings
13233 P SEM 001 T ARR ARR

495 Student Teaching
26220 P LAB 001 ARR ARR

496 Seminar
26335 P SEM 001 T 5-630PM 1374 SM Fitzpatrick

500 Educ Res in the Arts
3.00 ADVISORY

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**Musicology (MUSICOL) Open Sections**

**NOTE - GRADUATE STUDENTS MUST ELECT 500-LEVEL AND HIGHER COURSES.**

<p>| 139  | Intro to Mus              |    |                  |        |         | 2.0        | ADVISORY |
| 13240| P  DIS 002 TH 930-1030AM  |    |                  |        |         | 8          | N  |
| 13241| P  DIS 003 TH 930-1030AM  |    |                  |        |         | 14         | N  |
| 13242| P  DIS 004 TH 1030-1130AM |    |                  |        |         | 5          | N  |
| 13243| P  DIS 005 F 830-930AM    |    |                  |        |         | 19         | N  |
| 13245| P  DIS 007 F 930-1030AM   |    |                  |        |         | 7          | N  |
| 13246| P  DIS 008 F 1030-1130AM  |    |                  |        |         | 11         | N  |
| 13247| P  DIS 009 F 130-230PM    |    |                  |        |         | 17         | N  |
| 13248| P  DIS 010 F 130-230PM    |    |                  |        |         | 19         | N  |
| 13239| A  LEC 001 MW 930-1030AM  |    | Castro            |        |         | 12         | N  |
| 239  | History of Music          |    |                  |        |         | 2.0        | ADVISORY |
| 13250| P  DIS 002 TH 930-1030AM  |    |                  |        |         | 13         | N  |
| 13251| P  DIS 003 TH 930-1030AM  |    |                  |        |         | 5          | N  |
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| 13254| P  DIS 008 F 1030-1130AM  |    |                  |        |         | 1          | N  |
| 13249| A  LEC 001 MW 830-930AM   |    |                  |        |         | 19         | N  |
| 405  | Special Course            |    |                  |        |         | 3.0        | ADVISORY |
| 34852| P  LEC 001 TTH 2-330PM    |    |                  |        |         | 16         | N  |
| 413  | Topics Early Opera        |    |                  |        |         | 3.0        | ADVISORY |
| 27822| P  LEC 001 TTH 1130-1PM   |    |                  |        |         | 25         | N  |
| 424  | The Art Song              |    |                  |        |         | 3.0        | ADVISORY |
| 30997| P  LEC 001 MW 1-230PM     |    |                  |        |         | 10         | N  |
| 465  | Music of Africa           |    |                  |        |         | 3.0        | ADVISORY |
| 35660| P  LEC 001 MW 10-1130AM   |    |                  |        |         | 15         | N  |
| 481  | Special Projects          |    |                  |        |         | 1.0-4.00   | ADVISORY |
| 501  | Intro Grad Study          |    |                  |        |         | 3.0        | ADVISORY |
| 13735| PI  SEM 001 TTH 1-230PM   |    |                  |        |         | 15         | N  |
| 503  | Mus Bibliogr              |    |                  |        |         | 3.0        | ADVISORY |
| 34854| P  SEM 001 TTH 830-10AM   |    |                  |        |         | 15         | N  |
| 505  | Special Course            |    |                  |        |         | 3.0        | ADVISORY |
| 34853| P  LEC 001 TTH 2-330PM    |    |                  |        |         | 16         | N  |
| 506  | Special Course            |    |                  |        |         | 3.0        | ADVISORY |
| 27912| P  LEC 001 MW 1130-1PM    |    |                  |        |         | 506        | Y  |
| 524  | The Art Song              |    |                  |        |         | 3.0        | ADVISORY |
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\[\text{Intensity, Continuity, Pacing}\]

"Intensity, continuity, pacing" capture, for me, some of the ways that music creates drama and action. Pacing is speed or slowness, staying in the current moment, rushing ahead, drawing things out. Intensity can be as simple as loudness or softness or as complex as how strongly some music draws us into it. How a piece or passage "hangs together" is its continuity; a passage can move smoothly or abruptly to a succeeding passage; it can seem to contrast to a greater or lesser degree. If the terms I've chosen seem abstract, as they do to me, it is perhaps because they allude to qualities of sound that happen as time passes - qualities that can't be pinned down.

The course will center on listening and performance oriented analysis. I hope students will bring a wide spectrum of specializations, interests and backgrounds to work with music that might range from the Renaissance through the twenty-first century.

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Tuba (TUBA) Open Sections
Viola (VIOLA) Open Sections
Violin (VIOLIN) Open Sections

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U of M Open Classes Only Schedule of Classes  Page 266  of  308  FA 2018 2210 07-30-2018 02:07 20700154
## Theatre And Drama

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D&P student section.

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Meets with 399/002
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Artistic practice in prisons has occurred since the inception of prisons themselves, though popular thought tends not to connect the idea of the arts with that of criminal justice systems. This course surveys the history of performance in prisons through the examination of plays written by and about prisoners as well as narratives, which chronicle the process of creating theatre in prisons. More importantly, the course also requires all enrolled students to enter an adult prison once a week throughout the semester to lead a theatre workshop with prisoners. Students will be placed in pairs to facilitate workshops, and each workshop will hold a performance at the end of the semester. Students and prisoners together create social change through their performances, both by bringing two disparate communities (i.e. undergrads and prisoners) into meaningful interaction and also by using theatre to explore significant social issues.

In this four credit drama course students will explore major American plays of the 20th century through the process of text analysis through performance. We will work on plays by major writers such as Arthur Miller, Tennessee Williams, Lorraine Hansberry, Sam Shepard and Tony Kushner. For each play we will discuss dramaturgical background.
script and character analysis and put scenes on their feet for constructive critique. Written assignments will center on a journal which will include a series of actor's explorations of motivations and actions. Students will also be responsible for writing critiques of two productions. The course culminates in a public performance of a cutting of a major play, most likely Tony Kushner’s “Angels in America.”

In this four-credit drama course students will explore major American plays of the 20th century through the process of text analysis through performance. We will work on plays by major writers such as Arthur Miller, Tennessee Williams, Lorraine Hansberry, Sam Shepard and Tony Kushner. For each play we will discuss dramaturgical background, script and character analysis and put scenes on their feet for constructive critique. Written assignments will center on a journal, which will include a series of actor's explorations of motivations and actions. Students will also be responsible for writing critiques of two productions. The course culminates in a public performance of a cutting of a major play, most likely Tony Kushner’s “Angels in America.”
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Nursing
School Of Nursing

Health Sciences (HS) Open Sections

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HS 520 will meet on September 6, October 4, November 1, and December 6 in NIB 1191.

HS 550 lab will meet on September 10, October 8, November 5, and December 3 in SNB 1000.

This course is also open to graduate level students outside of the School of Nursing.

Nursing (NURS) Open Sections

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N803 will meet on September 6, October 4, November 1, and December 6 in SNB 1000. A minimum of 8 on campus meeting hours is required by NIH.

Professional Nursing Education (PNE) Open Sections

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### Officer Education Programs

#### Air Force Officer Education Program (AERO) Open Sections

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To register, please contact the Air Force Officer Education Program at afrotcstaff@umich.edu or 734-764-2403
### Army Officer Education Program

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# Navy Officer Education Program

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# Pharmacy

## College Of Pharmacy

### Clinical Pharmacy Translational Science (CPTS) Open Sections

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Graduate Standing or permission of the instructor.
This Class will meet in the College of Pharmacy Building Room B022.

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Graduate Standing or permission of the instructor.
Completion of or enrollment in PharmSci 700 required.

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### Pharmacy (PHARMACY) Open Sections

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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. Kineslgy 581, MoveSci 481, Pharmacy 503, PubHlth 503, and Social Work 573 are cross-listed courses. If you would like to register for Kineslgy 581, MoveSci 481, SW 573 or PubHlth 503 please send a request, including your student ID#, to ServiceForHealth@umich.edu.
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**Pharmaceutical Sciences (PHARMSCI) Open Sections**

<p>| 300 | Biopharmaceutics | 3.00| ADVISORY, ENFORCED|         |            |    |
| 301 | Biopharmaceutics | 3.00| ENFORCED|         |            |    |
| 402 | UG Seminar PharmSci | 1.00|         |         |            |    |
| 508 | Drug Deliv and Soln | 3.00| ADVISORY|         |            |    |
| 508 | Drug Deliv and Soln | 3.00| ADVISORY|         |            |    |
| 570 | Research | 1.00| ADVISORY|         |            |    |
| 608 | Pharmacokin Concepts | 4.00| ADVISORY|         |            |    |
| 700 | Biopharm-Drug Dispos | 2.00| ADVISORY|         |            |    |
| 702 | PDĐT-BM | 2.00| ADVISORY|         |            |    |
| 995 | Diss-Cand | 8.00| ENFORCED|         |            |    |</p>
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## Public Health

### Biostatistics Department

### Biostatistics (BIOSTAT) Open Sections

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For questions about overrides, please contact Nicole Fenech at fenechn@umich.edu

### Appl Biostatistics

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Course will meet in Classroom A. (SPH2G442A)

Course will meet in Classroom C. (SPH2G442C)

### EPID Stat Methods

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### Bio-Clin Researcher

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.

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Contact Nicole Fenech at fenechn@umich.edu for permission to enroll.

### Intro to Biostat

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Contact Nicole Fenech at fenechn@umich.edu for permission to enroll.

### Intro SAS Stat Prgrm

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### Intro Biocomputing

Class is held Monday, August 20 through Friday, August 24 9am-4pm in SPH I room 3755

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### Clinical Trials

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This course will typically meet in room 1655 SPH I. Please contact the course instructor(s) for the specific dates this course will be offered in USB1250.

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Must attend 2/3 of all seminars in order to receive credit.

Only Biostatistics students should be able to register directly. All non-Biostats students should e-mail the course instructor for an override.

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# Epidemiology Department

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Undergraduate students need permission of instructor

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.
Health Management And Policy (HMP) Open Sections

This is a course for the students in the HMP Executive Masters program only.

Section 777 of this course is reserved for students in the Executive Masters 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.

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This section is reserved for students in the Executive Masters program only.
# Health Behavior & Health Education Department

## Health Behavior And Health Education (HBEHED) Open Sections

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**Section 777 of this course is reserved for students in the Executive Masters 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.**

**503 Intr Hlth Beh Theory:** 503-001 is a blended or hybrid course. This includes an online asynchronous component and a 2 hour in-person meeting.

**540 Fund Reprod Hlth:** 540-001 is a blended or hybrid course. This includes an online asynchronous component and a 2 hour in-person meeting.
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# School Of Public Health

## Public Health (PUBHLTH) Open Sections

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Students planning to apply to the public health major should not enroll in this course.

## Pub Hlth Systems

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## Science of Medicine

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The course description can be found at: [https://pharmacy.umich.edu/service](https://pharmacy.umich.edu/service). Note that permission is required to register for this course. Kineslgy 581, MoveSci 481, Pharmacy 503, PubHlth 503, and Social Work 573 are cross listed courses. If you would like to register for Kineslgy 581, MoveSci 481, SW 573 or PubHlth 503 please send a request, including your student ID#, to ServiceForHealth@umich.edu.

## Soc Determin Health

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## Intro to Qual Method

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For registration questions, contact Jillian McConville: jmcconv@umich.edu.
At the end of the term, students will present a proposal to an expert panel.

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). We are facing what might be described as a failure or crisis of public trust in sources of truth. People do not know whom to trust or believe. Misinformation and conspiracy theories spread through social media. Our aim in this course will be to identify concrete potential interventions, solutions, or avenues for future exploration that might help people identify and trust sources of truth and/or that might mitigate the spread of misinformation. We will draw in insights from a range of inter-connected fields, including (but not limited to): psychology, communications, journalism, social media, information, computer science, law, and history.

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 February 23, 2018, and March 16, 2018.

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Public Policy
School Of Public Policy

Public Policy (PUBPOL) Open Sections

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This course is restricted for Ford School Seniors enrolled in the BA Program and that have completed STATS 250 (see note below).

---

**Michigan Politics & Policy**

This course is designed to give students an understanding of how budgeting and financial planning are used in the management of organizations for which money is the means to the end, but not the end itself. Students will acquire the basic skills needed to develop, understand, and analyze various types of budgets and financial documents. In addition, students will learn how those skills can be put to use in evaluating many of the key policy issues faced by leaders and budget managers. This course will not require any high level math, although it is, inherently, a numbers class and students will use their basic quantitative and Excel skills. Although the specific materials and examples discussed throughout the course will be drawn primarily from mission-based organizations (i.e. government and not-for-profit organizations), the skills and analytic techniques learned in the class will be applicable to any type of entity.

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**Equity at Work**

This course examines the interaction of politics and policymaking at the state level. It examines issues such as the role of lobbyists, the impact of campaign and election reforms, and the relationship between state governments and other levels of government.

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**Gov Reg Ind & Envir**

This course will also meet on Saturday, 9/1 from 10am - 4pm and on Saturday, 10/27 from noon - 5pm.

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**Community Development Finance**

This course is restricted for Ford School Seniors enrolled in the BA Program and that have completed STATS 250 (see note below).
This 3-credit course will provide an introduction to the fundamentals of evaluation research design and methods as applied to public policies and programs. The course will cover the role of evaluation in the public policy process, and both process and summative evaluation research, including research designs for establishing causal inference between exposure to public policies/programs and outcomes. Students will gain skills in understanding and crafting research designs common in public policy evaluation, including randomized controlled trials, quasi-experimental designs and time series designs. Students will also gain skills in understanding/critiquing published public policy evaluation literature, measurement/data collection methods, and basic statistical methods for analyzing evaluation data. Class format will include lecture, discussion of case studies, and small group applied exercises.

This course will help build your research/analysis skills

Note: Stats 250 is a prerequisite so students should complete the course prior to their senior year. In exceptional circumstances, students may take Stats 250 concurrent with PubPol 479, if necessary.

491 MIW Res Sem 4.00
21511 PDR SEM 001 ARR ARR Bednar 1 N

495 Policy Seminar 4.00
18859 PDR SEM 001 MW 1-230PM 1220 WEILL Maccini 3 N

Behavioral Economics
PubPol 495 is open to students in the Public Policy BA program, by permission only.
19393 PDR SEM 002 MW 830-10AM 1230 WEILL Collins 2 N

Inf & Dev Metrics and Analysis
PubPol 495 is open to students in the Public Policy BA program, by permission only.
19394 PDR SEM 003 TTH 1-230PM 1230 WEILL Hausman 3 N

Energy
PubPol 495 is open to students in the Public Policy BA program, by permission only.
25150 PDR SEM 004 TTH 1-230PM 1220 WEILL Dominguez 2 N

Global Financial Markets
PubPol 495 is open to students in the Public Policy BA program, by permission only.
28561 PDR SEM 005 TTH 1-230PM 1210 WEILL Leiser 5 N

Tax Policy
PubPol 495 is open to students in the Public Policy BA program, by permission only.
32485 P SEM 006 MW 830-10AM 1210 WEILL Kerner 17 N

Politics of Debt
510 Politics of Pub Pol 3.00
23577 PDR REC 001 TTH 1-230PM 1110 WEILL Kabo 1 N

This is a core course restricted to Ford School students only. Registration is by permission

This section of 510 aims to help you better understand policy analysis and the political environment within a context of American domestic politics at the national level.

Policy analysis is a discipline that brings systematic thinking and social scientific evidence to bear on substantive problems. The premise of this course is that policymakers seldom value that analysis as much as we do. Many are skeptical about what social science can contribute to solving public problems, often rightly so. Others see policy analysis as material to be deployed selectively and strategically in political battles fought on other terms. In today's highly partisan, often hyperbolic politics, bringing reason and evidence to bear on public problems is more challenging than ever.

By the end of the course, you will understand the political environment in which policy specialists operate: the participants who shape policy within particular domains; the ways in which they perceive problems and solutions; the information, interests, and ideologies likely to govern their actions; the strategies they use; and the institutional arrangements and processes that shape their behavior and constrain their decisions. A final but important purpose of the course is to help you work on your writing and, to a lesser extent, your oral communication skills.

21419 PDR REC 002 MW 830-10AM 1220 WEILL Lin 1 N

This is a core course restricted to Ford School students only. Registration is by permission

This section of 510 follows the policymaking process after legislators claim credit and the TV cameras shut down: the work of trying to implement and interpret the law. In the United States, this process is guided by the executive branch, through rulemaking, and the judicial branch, through oversight. But as we will see, neither of these two branches of government operate in isolation from each other, from Congress, or most importantly, from the democratic process. This extent to which bureaucracy and the courts are insulated or open to public influence, and the channels through which that influence occurs, explain a large part of what happens ?on the ground? in the United States. It also serves as a key point of contrast in understanding how policymaking in other countries compares to the United States.

31554 PDR REC 003 MW 230-4PM 1210 WEILL Hanson 1 N

This is a core course restricted to Ford School students only. Registration is by permission

513 Calculus 3.00 ADVISORY
26143 P R DIS 002 F 10-1130AM 1120 WEILL Simon 32 Y
This is a core course restricted to Ford School students only.
11490 S LEC 001 MW 1-230PM 1120 WEILL

515 Non-Mkt Strat 1.50
30949 P REC 001 T 630-930PM R0230 BUS Lyon 15 Y

521 Intro Policy Writing 0.50
23867 P R SEM 009 W 10-1130AM 2120 WEILL Spencer 1 Y

529 Statistics 3.00 ADVISORY
26146 P R DIS 002 F 230-4PM 1110 WEILL 1 Y

This is a core course restricted to Ford School students only.
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 February 23, 2018, and March 16, 2018.

Class time will focus on providing background information and discussion with topical experts. Students are expected to spend additional time outside of class contacting experts and researching scientific and lay materials. At the end of the term, students will present a 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.
<table>
<thead>
<tr>
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</table>

This course is for third-year Ford School PhD students only. Registration by permission. PhD 3rd year course.

9/21 and 11/2 -- class held in 5240!

This class is an interdisciplinary problem solving class offered at the Law School through the Problem Solving Initiative (PSI). We are facing what might be described as a failure or crisis of public trust in sources of truth about matters of fact. Public actors lie and accuse each other of lying. Media outlets present competing narratives. People do not know whom to trust or believe. Misinformation and conspiracy theories spread through social media. Our aim in this course will be to identify concrete potential interventions, solutions, or avenues for future exploration that might help people identify and trust sources of truth and/or that might mitigate the spread of misinformation. We will draw in insights from a range of inter-connected fields, including (but not limited to): psychology, communications, journalism, social media, information, computer science, law, and history.

At the end of the term, students will present a proposal to an expert panel.

This class 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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**Social Activism**

<table>
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The National Security Council (NSC) remains the pinnacle of national security decision-making more than 70 years after the National Security Act of 1947. The National Security Advisor and related NSC staff are the linchpins for providing the President and other senior officials with policy recommendations, options and courses of action to confront a range of complex national security challenges. At the same time, the NSC is arguably the least understood and most complex organization involved in the national security arena, since a complete understanding of the inner workings is difficult to discern without direct experience within it. This class will examine NSC organizational frameworks, bureaucratic processes and policy priorities adopted by a number of administrations--and will also compare and contrast the approaches that delivered desired results and those that led to unexpected outcomes. The course will involve simulations of national security policy decisions and guest speakers.

**Instructor:** Javed Ali is a Towsley Policymaker in Residence at the Ford School during fall semester, 2018. Javed has over twenty years of professional experience in national security and intelligence issues in Washington, D.C. He began his federal government career in 2002 and worked in the Defense Intelligence Agency, the Department of Homeland Security, and the Federal Bureau of Investigation. He also held senior roles while on joint duty assignments at the National Intelligence Council, the National Counterterrorism Center, and the National Security Council--where he completed a year of service from March 2017 to March 2018 as the Senior Director for Counterterrorism. Javed holds a BA in Political Science from the University of Michigan, a JD from the University of Detroit School of Law, and a MA in International Relations from American University.

In addition, students will learn how those skills can be put to use in evaluating many of the key policy issues faced by leaders and budget managers. This course will not require any high level math, although it is, inherently, a numbers class and students will use their basic quantitative and Excel skills. Although the specific materials and examples discussed throughout the course will be drawn primarily from mission-based organizations (i.e. government and not-for-profit organizations), the skills and analytic techniques learned in the class will be applicable to any type of entity.

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**Proj Skills Wkshts**

<table>
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This course is for third-year Ford School PhD students only. Registration by permission. PhD 3rd year course.

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**Diss-Precand**

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Rackham Graduate School

Chemical Biology (CHEMBIO) Open Sections

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<td>17726</td>
<td>PDR SEM 001</td>
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<td>Koutmou, Palley, Koutmos</td>
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Contact ChemicalBiology@umich.edu for registration inquiries after July 1st. This course is for PhD students only.

CHEMBIO 511 lectures will meet together with CHEMBIO 501 in 1250USB on M, W, F 8-9AM.

Registering for this lecture section will auto-enroll a discussion section (CHEMBIO 511 002) on F 11-12pm in 1567CCL.

<table>
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Museum Studies (MSP) Open Sections

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Rackham Graduate School (RACKHAM) Open Sections

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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) Open Sections

<table>
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<tr>
<th>CAT#</th>
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<td>24487</td>
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<tr>
<td>24488</td>
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<td>24489</td>
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This section of ACC 300 is reserved exclusively for Minor in Business students.

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</table>

Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section this class is combined with.

471 Accounting Principle

<table>
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<th>CAT#</th>
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<tr>
<td>24490</td>
<td>P R REC 311 MW 830-10AM R2240 BUS</td>
<td>Williams</td>
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<td>24492</td>
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<td>Williams</td>
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Students registering for this course in Fall B will be required to complete the Winter A section to receive full course credit.

560 Tax & Managerial Dec

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Students registering for this course in Fall B will be required to complete the Winter A section to receive full course credit.

630 Auditing & Assurance

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Students registering for this course in Fall B will be required to complete the Winter A section to receive full course credit.

990 Diss-Precand

<table>
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Students registering for this course in Fall B will be required to complete the Winter A section to receive full course credit.

Business Administration (BA) Open Sections

<table>
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<td>27306</td>
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<td>31709</td>
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<td>31712</td>
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Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section this class is combined with.

201 Bus Thought & Action

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ENTR 390.003 and BA 201.001 meet together. BBA students are not permitted to enroll in this class.

380 Senior Seminar

<table>
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</table>

BA 380 is reserved for BBA Seniors. If you are eligible and interested in enrolling, please send the following documents to Prof. Burcu Tasoluk (btasoluk@umich.edu): 1) Your current resume, 2) A Statement of Interest outlining your broad research area and explaining why you would like to fulfill your Capstone requirement by enrolling in this course and writing a senior thesis.

476 Amer Bus History

<table>
<thead>
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BA 476 is cross-listed with HISTORY 476.

612 Bus Strat Base Pyrmnd

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<td>London</td>
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Students registering for this course in Fall B will be required to complete the Winter A section to receive full course credit.

2018: BA 612 meets on the following Fridays (9 am - 12 pm) in addition to Tuesday and Thursday afternoons in Fall B: 11/16, 11/30, 12/7.
### Business Communication (BCOM) Open Sections

<table>
<thead>
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<td>Positive Communicatin</td>
<td>3.00</td>
<td></td>
<td>Young</td>
<td>2</td>
<td>Y</td>
</tr>
<tr>
<td>Writing for Entrepr</td>
<td>1.50</td>
<td></td>
<td>Kotzian</td>
<td>24</td>
<td>Y</td>
</tr>
<tr>
<td>Managerial Writing</td>
<td>1.50</td>
<td>ENFORCED</td>
<td></td>
<td>26.00</td>
<td></td>
</tr>
<tr>
<td>Mgmt Presentations</td>
<td>1.50</td>
<td></td>
<td>Kotzian</td>
<td>5</td>
<td>Y</td>
</tr>
<tr>
<td>Section 001 meets with Section 451. This section is reserved exclusively for Evening MBA students.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Persuasive Mgt Comm</td>
<td>1.50</td>
<td></td>
<td>Zimmerman</td>
<td>4</td>
<td>Y</td>
</tr>
<tr>
<td>Mgmt Presentations</td>
<td>1.50</td>
<td></td>
<td>Kotzian</td>
<td>5</td>
<td>Y</td>
</tr>
<tr>
<td>Section 002 meets with Section 451. This section is reserved exclusively for Evening MBA students.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Business Economics And Public Policy (BE) Open Sections

<table>
<thead>
<tr>
<th>Course Title</th>
<th>CR</th>
<th>PREREQ</th>
<th>INSTRUCTOR</th>
<th>OPEN SEATS</th>
<th>WL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Economics</td>
<td>3.00</td>
<td>ADVISORY</td>
<td>Yakusheva</td>
<td>1</td>
<td>Y</td>
</tr>
<tr>
<td>Non-Mkt Strat</td>
<td>1.50</td>
<td>ENFORCED</td>
<td>Lyon</td>
<td>15</td>
<td>N</td>
</tr>
<tr>
<td>Appl Microeconomics</td>
<td>2.25</td>
<td></td>
<td>Shwayder</td>
<td>7</td>
<td>N</td>
</tr>
<tr>
<td>This course is reserved for students in the Master of Management program.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Care Markets</td>
<td>1.50</td>
<td>ADVISORY</td>
<td>Miller</td>
<td>29</td>
<td>Y</td>
</tr>
<tr>
<td>Section 001 meets with Section 451. Section 451 is reserved exclusively for Evening MBA students.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soc&amp;Econ Data</td>
<td>3.00</td>
<td>ADVISORY</td>
<td>Abramowitz</td>
<td>9</td>
<td>Y</td>
</tr>
<tr>
<td>BE 845 is for Doctoral standing students. Class will meet at Ross, with a remote connection to Cornell University.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IB-BE Seminar</td>
<td>1.50</td>
<td>ADVISORY</td>
<td>Handley</td>
<td>12</td>
<td>Y</td>
</tr>
<tr>
<td>This class will be meeting in BLAU1584.</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Topics in IB-BE I</td>
<td>1.50</td>
<td>ADVISORY</td>
<td>Lyon</td>
<td>10</td>
<td>Y</td>
</tr>
<tr>
<td>Topics in IB-BE II</td>
<td>1.50</td>
<td>ADVISORY</td>
<td>Handley</td>
<td>12</td>
<td>Y</td>
</tr>
<tr>
<td>This class meets with BE 875.</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diss-Cand</td>
<td>8.00</td>
<td>ENFORCED</td>
<td>ARR</td>
<td>24</td>
<td>N</td>
</tr>
<tr>
<td>R IND +</td>
<td>ARR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Business Law (BL) Open Sections

<table>
<thead>
<tr>
<th>Course Title</th>
<th>CR</th>
<th>PREREQ</th>
<th>INSTRUCTOR</th>
<th>OPEN SEATS</th>
<th>WL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal Envr of Bus</td>
<td>3.00</td>
<td>ADVISORY</td>
<td>Muir</td>
<td>8</td>
<td>Y</td>
</tr>
<tr>
<td>Intel Prop Law</td>
<td>2.25</td>
<td>ADVISORY</td>
<td></td>
<td>9</td>
<td>Y</td>
</tr>
<tr>
<td>Washington Campus</td>
<td>3.00</td>
<td></td>
<td>ARR</td>
<td>24</td>
<td>N</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>ARR</td>
<td>25</td>
<td>N</td>
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</table>

### Business Abroad (BUSABRD) Open Sections

### Executive Master of Business Administration (EMBA) Open Sections

### Entrepreneurial Studies (ES) Open Sections
<table>
<thead>
<tr>
<th>Course Title</th>
<th>CR</th>
<th>PREREQ</th>
<th>LAB FEE</th>
<th>OPEN SEATS</th>
<th>WL</th>
</tr>
</thead>
<tbody>
<tr>
<td>329 Finan Resrch Comcial</td>
<td>3.00</td>
<td>ADVISORY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18713</td>
<td></td>
<td></td>
<td>Brophy</td>
<td>5 Y</td>
<td></td>
</tr>
<tr>
<td>ES 329 is cross-listed with FIN 329 and meets with FIN/ES 629. Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section this class is combined with.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24979</td>
<td></td>
<td></td>
<td>Brophy</td>
<td>5 Y</td>
<td></td>
</tr>
</tbody>
</table>

| 395 Entrepreneurial Mgt            | 3.00| ADVISORY |         |            |    |
| 10129                              |     |         | Middleton | 23 Y     |
| 24961                              |     |         | Middleton | 23 Y     |

| 444 Intr to Microfinance           | 3.00|         |         |            |    |
| 25735                              |     |         | Gordon  | 16 Y       |
| 17417                              |     |         | Brophy  | 16 Y       |
| 2018: ES 444 meets with ES 644 on Mondays in Fall B from 6:30-9 pm in BLAU0570. |

| 516 New Venture Creation           | 3.00| ENFORCED |         |            |    |
| 26240                              |     |         | Price   | 3 Y        |
| 17208                              |     |         | Price   | 3 Y        |
| Section 001 meets with Section 451. This section is reserved exclusively for Evening MBA students. |

| 644 Intr to Microfinance           | 2.25|         |         |            |    |
| 25736                              |     |         | Gordon  | 37 Y       |
| 17417                              |     |         | Brophy  | 37 Y       |
| Section 001 meets with Section 451. |

**Finance (FIN) Open Sections**

| 300 Financial Mgt                  | 3.00| ADVISORY | 63.00   | 47 Y       |
| 25737                              |     |         | Wardlaw |            |
| FIN 300 is reserved for BBA juniors and seniors only. |

| 302 Making Fin Decisions           | 3.00| ENFORCED | 63.00   | 29 Y       |
| 22081                              |     |         | Lei     |            |
| This section of FIN 302 is reserved for Business Minor students. Any remaining Business Minor seats will be released on August 14 (2018) to non-Business students of sophomore standing (25+ CTP) and above. In the meantime, please add yourself to the wait list of Section 003 if one has generated. |
| 22083                              |     |         | Lei     |            |
| This section of FIN 302 is reserved for Business Minor students. Any remaining Business Minor seats will be released on August 14 (2018) to non-Business students of sophomore standing (25+ CTP) and above. In the meantime, please add yourself to the wait list of Section 005 if one has generated. |
| 22085                              |     |         | Lei     |            |
| This section of FIN 302 is reserved for Business Minor students. Any remaining Business Minor seats will be released on August 14 (2018) to non-Business students of sophomore standing (25+ CTP) and above. In the meantime, please add yourself to the wait list of Section 007 if one has generated. |

| 317 Corp Financing Dec             | 3.00| ENFORCED |         | 4 Y        |
| 10117                              |     |         | Caldera |            |
| FIN 317 is reserved for BBA Juniors and Seniors with some seats reserved exclusively for Business Minor students. Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section this class is combined with. |
| 24962                              |     |         | Caldera |            |

| 329 Finan Resrch Comcial           | 3.00|         | 5 Y     |
| 17418                              |     |         | Brophy  | 5 Y        |
| FIN 329 is cross-listed with ES 329 and meets with FIN/ES 629. |
| 24963                              |     |         | Brophy  | 5 Y        |

Section 311 meets with Section 001. Seats in this section are reserved exclusively for Minor in Business students. If you are not a Minor in Business student, please enroll in (or add yourself to the waitlist of) the section 001.
<table>
<thead>
<tr>
<th>CAT#</th>
<th>Course Title</th>
<th>CR</th>
<th>PREREQ</th>
<th>LAB FEE</th>
<th>OPEN SEATS</th>
<th>WL</th>
</tr>
</thead>
<tbody>
<tr>
<td>342</td>
<td>Big Data in Finance</td>
<td>3.00</td>
<td>ADVISORY, ENFORCED</td>
<td>16</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>32869</td>
<td>P R REC 001 TTH 1130-1PM R0400 BUS</td>
<td>1.50</td>
<td>ADVISORY</td>
<td>5</td>
<td>Y</td>
<td></td>
</tr>
</tbody>
</table>

Seats in this section are reserved exclusively for Master of Management students.

This class runs parallel with FIN 612, and as such, will meet on October 15th.

412 Intl Fin Mngmnt I 1.50 ADVISORY
24964| P R REC 331 MW 230-4PM B0560 BUS | Pasquariello | 21 | Y |
| 24966| P R REC 331 MW 230-4PM B0560 BUS | Pasquariello | 21 | Y |

Seats in this section are reserved exclusively for Master of Management students.

414 Intl Fin Mngmnt II 1.50 ADVISORY
24964| P R REC 331 MW 230-4PM B0560 BUS | Pasquariello | 21 | Y |

Seats in this section are reserved exclusively for Minor in Business and Master of Management students.

415 Corp Investment Dec 3.00 ADVISORY
10116| P R REC 001 M 10-1PM R1220 BUS | Hall | 11 | Y |
| 14562| P R REC 002 M 1-4PM R1220 BUS | Hall | 25 | Y |
| 24967| P R REC 322 M 1-4PM R1220 BUS | Hall | 25 | Y |

416 Intl Fin Mngmnt I 1.50 ADVISORY
16622| P R REC 001 MW 1240-210PM R0230 BUS | Pasquariello | 35 | Y |
| 18077| P R REC 002 W 7-10PM R1220 BUS | Pasquariello | 30 | Y |
| 18078| P R REC 451 W 7-10PM R1220 BUS | Pasquariello | 30 | Y |
| 21305| P R REC 451 M 1-4PM R1220 BUS | Pasquariello | 30 | Y |

417 Intl Fin Mngmnt II 1.50 ADVISORY
24965| P R REC 331 MW 230-4PM B0560 BUS | Pasquariello | 21 | Y |

612 Intl Fin Mngmnt I 1.50 ADVISORY
19321| P R REC 001 M 130-430PM R4020 BUS | Whitehead | 10 | Y |
| 19327| P R REC 451 W 7-10PM R1220 BUS | Whitehead | 10 | Y |

613 Intl Fin Mngmnt II 1.50 ADVISORY
17797| P R REC 451 W 7-10PM R1220 BUS | Whitehead | 10 | Y |

614 Intl Fin Mngmnt I 1.50 ADVISORY
19321| P R REC 001 M 130-430PM R4020 BUS | Whitehead | 10 | Y |
| 19327| P R REC 451 W 7-10PM R1220 BUS | Whitehead | 10 | Y |

615 Intl Fin Mngmnt II 1.50 ADVISORY
19321| P R REC 001 M 130-430PM R4020 BUS | Whitehead | 10 | Y |
| 19327| P R REC 451 W 7-10PM R1220 BUS | Whitehead | 10 | Y |

616 Intl Fin Mngmnt I 1.50 ADVISORY
19321| P R REC 001 M 130-430PM R4020 BUS | Whitehead | 10 | Y |
| 19327| P R REC 451 W 7-10PM R1220 BUS | Whitehead | 10 | Y |

617 Intl Fin Mngmnt II 1.50 ADVISORY
19321| P R REC 001 M 130-430PM R4020 BUS | Whitehead | 10 | Y |
| 19327| P R REC 451 W 7-10PM R1220 BUS | Whitehead | 10 | Y |

618 Intl Fin Mngmnt I 1.50 ADVISORY
19321| P R REC 001 M 130-430PM R4020 BUS | Whitehead | 10 | Y |
| 19327| P R REC 451 W 7-10PM R1220 BUS | Whitehead | 10 | Y |

619 Intl Fin Mngmnt II 1.50 ADVISORY
19321| P R REC 001 M 130-430PM R4020 BUS | Whitehead | 10 | Y |
| 19327| P R REC 451 W 7-10PM R1220 BUS | Whitehead | 10 | Y |

620 Corp Finan Policy 2.25 ADVISORY, ENFORCED
16642| P R REC 451 TTH 7-920PM R0220 BUS | Brophy | 8 | Y |

FIN 623.451 is cross-listed with ES 623 and meets with ES/FIN 623.001.

621 Private Equity Fin 2.25 ADVISORY
16642| P R REC 451 TTH 7-920PM R0220 BUS | Brophy | 8 | Y |

622 Finan Resrch Comcial 3.00 ADVISORY
17416| P R REC 001 W 7-10PM ARR Brophy | 14 | Y |
| 17797| P R REC 451 W 7-10PM ARR Brophy | 6 | Y |

623 Venture Capital Fin 2.25 ADVISORY
16642| P R REC 451 TTH 7-920PM R0220 BUS | Brophy | 8 | Y |

FIN 623.451 is cross-listed with ES 623 and meets with ES/FIN 623.001.

624 Inv Dec Symmetr Inf 3.00 ADVISORY
19891| P R REC 001 W 7-10PM ARR Brophy | 24 | N |
| 19892| P R REC 001 W 7-10PM ARR Brophy | 23 | N |

625 Fin Sustain Enterpri 2.25 ADVISORY
35144| P R REC 001 MW 210-430PM B3580 BUS | Kaul | 33 | Y |
| 19891| P R REC 001 W 7-10PM ARR Brophy | 24 | N |

The exact meeting pattern for FIN 855 is TBD.

855 Inv Dec Symmetr Int 3.00 ADVISORY
19891| P R SEM 001 MT 7-10PM R2320 BUS | Schmalz, Dittmar | 9 | Y |

865 Asymmetric Info 1.50 ADVISORY
22059| P R REC 001 ARR ARR | Rajan, Mitra | 8 | N |

2018: This class meets in B2585 in Fall B. Class will be held on 11/20 during the week of Thanksgiving.

871 Corporate Finance 1.50 ADVISORY
35144| P R REC 001 MW 210-430PM B3580 BUS | Kaul | 33 | Y |
| 19891| P R REC 001 W 7-10PM ARR Brophy | 24 | N |

Marketing (MKT) Open Sections

300 Marketing Mgmt I 3.00 56.00
10131| P R REC 003 MW 1-230PM B1560 BUS | Huang | 8 | Y |
| 10136| P R REC 003 MW 1-230PM B1560 BUS | Huang | 8 | Y |

This section of MKT 300 is reserved exclusively for BBA juniors and seniors.

302 Marketing Management 3.00 71.00
29056| P R REC 311 MW 830-10AM B0560 BUS | Collins | 12 | Y |
| 29057| P R REC 312 MW 1-230PM R2220 BUS | Lenard | 5 | Y |

Section 001 meets with Section 311. Seats in Section 311 are reserved exclusively for Minor in Business students.

Section 002 meets with Section 312. Seats in Section 312 are reserved exclusively for Minor in Business students.

29058| P R REC 313 MW 4-530PM B1560 BUS | Huang | 19 | Y |
Section 003 meets with Section 313. Seats in Section 313 are reserved exclusively for Minor in Business students.

313 Consumer Behavior 3.00 ADVISORY

29294 P R REC 312 MW 230-4PM B1560 BUS Angelli 4 Y

Section 312 meets with Section 002. Seats in Section 312 are reserved exclusively for Minor in Business students.

408 Pricing Analytics 3.00

31987 P R REC 311 MW 830-10AM B1560 BUS Krishna 37 Y

Section 311 meets with Section 001. This section is reserved exclusively for Minor in Business students.

411 Advertis Managemt 3.00 ADVISORY, ENFORCED 33.00

24535 P R LEC 001 TTH 1-230PM B1570 BUS Burson 6 Y

Seats in this section are reserved exclusively for Minor in Business and Master of Management students.

24969 P R LEC 311 TTH 1-230PM B1570 BUS Burson 6 Y

Section 002 meets with Section 451. 

418 Marketing Analytics 3.00 ADVISORY 81.00

22737 P R REC 001 TTH 230-4PM B0570 BUS Aribarg 25 Y

24971 P R REC 312 TTH 230-4PM B0570 BUS Aribarg 25 Y

Seats in this section are reserved exclusively for Minor in Business and Master of Management students.

601 Strategic Mktg Plan 2.25-3.00 ADVISORY

31989 P R REC 001 TTH 8-1020AM B2240 BUS Kinneart 54 Y

603 Strategic Brand Mgt 2.25 ADVISORY

31990 P R REC 002 TTH 230-450PM B1560 BUS Lenard 44 Y

MKT 603.001 meets with MKT 603.010. Please note that some seats in MKT 603 are reserved for incoming MBA1s.

17220 P R REC 002 MW 210-430PM R0220 BUS Batra 44 Y

Section 002 meets with Section 451. This section is reserved exclusively for Evening MBA students.

1601 Behav Res Mkt 1.50 ADVISORY

20430 P R SEM 001 M 12-3PM ARR Yoon 8 Y

990 Diss-Precand 1.00-8.00 ADVISORY

17245 P R REC 451 TTH 830-10AM R1560 BUS Alexander 17 Y

Section 001 meets with Section 451. This course is reserved for students in the Master of Management program.

501 Human Behav&Orgzn 3.00 ENFORCED 148.00

17221 P R REC 451 M 7-10PM R0220 BUS Baker 19 Y

P R REC 451 M 630-930PM R0320 BUS Caproni 21 Y

MO 567.001 meets with MO 567.451. 

501 Human Behav&Orgzn 3.00 ENFORCED 148.00

19422 P R REC 451 M 9-12PM ARR Degraff 2 Y

MO 563.451 is cross listed with Strategy 563, meets with MO 563.001. Meets in the Innovatium at the corner of East University and South University.

567 Human Capital Mgmt 2.25 37.00

23969 P R REC 001 MW 210-430PM B1570 BUS Alexander 3 Y

This class will take place in the "A" (first 7 week) half-term. MO 567 Section 001 is combined with Section 451.

24949 P R REC 451 MW 210-430PM B1570 BUS Alexander 3 Y

MO 567 Section 451 is combined with Section 001. Sections which begin with "45" are reserved for Eveneng MBA
students. All other students should enroll in (or add to the waitlist) of Section 001.

840  
Sem Orgnlz St  
1.00-3.00  
10107  
P R  
SEM 001  
F  
130-3PM  
R0220 BUS  
Westphal, Cortina  
11  
Y

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

995  
Diss-Cand  
R  
IND +  
ARR  
ARR  
8.00  
ENFORCED  
24  
N

Strategy (STRATEGY) Open Sections

302  
Business Strategy  
3.00  
27947  
P R  
REC 311  
TTH  
10-1130AM  
R1220 BUS  
Nagarajan  
23  
Y

Section 311 meets with Section 001. This section is reserved exclusively for Minor in Business students.

310  
Compet Glob Bus Env  
3.00  
31052  
P R  
REC 001  
TTH  
10-1130AM  
B3570 BUS  
Helpie-McFall  
12  
Y

491  
Bus Model Innovation  
3.00  
31062  
P R  
REC 001  
TTH  
830-10AM  
R1220 BUS  
Afuah  
14  
Y

503  
Compet Bus Env  
1.50  
21420  
P R  
REC 030  
MW  
1240-210PM  
R1210 BUS  
Wan  
53  
Y

STRATEGY 503.040 meets with STRATEGY 503.004. This section is reserved for MBA1s.

23024  
P R  
REC 040  
W  
630-930PM  
R0210 BUS  
Wan  
26  
Y

STRATEGY 503.060 meets with STRATEGY 503.006/452.

Section 003 meets with Section 451. Section 451 is reserved exclusively for Evening MBA students.

23023  
P R  
REC 045  
W  
630-930PM  
R0210 BUS  
Wan  
26  
Y

23023  
P R  
REC 045  
S  
850-1230PM  
R1220 BUS  
Zhou  
14  
Y

Section 003 meets with Section 451. Section 451 is reserved exclusively for Evening MBA students.

23023  
P R  
REC 045  
S  
120-5PM  
R1220 BUS  
Karnani  
8  
Y

630  
Managing Bus Ops  
3.00  
23970  
P R  
REC 001  
T  
1-4PM  
R0230 BUS  
Karnani  
34  
Y

411  
Support With Excel  
3.00  
23465  
P R  
REC 002  
TTH  
1130-1PM  
R0320 BUS  
Etzion  
1  
Y

415  
Advan Excel with VBA  
3.00  
28391  
P R  
REC 311  
MW  
1-230PM  
R0320 BUS  
Etzion  
3  
Y

Section 311 meets with Section 001. This section is reserved exclusively for Minor in Business students.

426  
Mobile Innov Develop  
3.00  
U of M Open Classes Only Schedule of Classes  
Page 299  
of  308  
FA 2018 2210 07-30-2018 02:07 20700154
Non-Ross students should contact the instructor for permission to join the course.

Seats in this section are reserved for Master of Management students.

Section 001 meets with Section 451. This section is reserved exclusively for Evening MBA students.

This course is reserved for students in the Master of Management program.

Section 451 meets with Section 001.

Section 001 meets with STRATEGY 630.001.

TO 582 meets with TO 482.

TO 630.001 meets with STRATEGY 630.001.

Weekend Master of Business Administration (W MBA) Open Sections
## Social Work

### School Of Social Work

#### Social Work (SW) Open Sections

<table>
<thead>
<tr>
<th>CAT#</th>
<th>Course Title</th>
<th>CR</th>
<th>PREREQ</th>
<th>LAB FEE</th>
<th>OPEN SEATS</th>
<th>WL</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>Soc Issu of Our Time</td>
<td>3.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>Soc Prob&amp;SS W Today</td>
<td>3.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>401</td>
<td>CASC Capstone Exp</td>
<td>1.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2336</td>
<td>Ind Studies: SW</td>
<td>1.00-3.00</td>
<td>ADVISORY</td>
<td></td>
<td>25 N</td>
<td></td>
</tr>
<tr>
<td>503</td>
<td>Foundation Topics SW</td>
<td>1.00-2.00</td>
<td>ADVISORY</td>
<td></td>
<td>1 N</td>
<td></td>
</tr>
</tbody>
</table>

### Skills for Patient-Family-Cnt

- **THIS CLASS IS ONLY AVAILABLE TO DENTAL HYGIENE STUDENTS.**
- **Real World Persp Poverty Solut**
- **Healthy Aging Urban Afr Amer**
- **Women in Leadership**
- **Prgrm Impact: Cons Comm Agency**
- **SW in the D: Wayne County Comm**

### Other Courses

- **TBLGQI: Educ Empow & Engage**

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**U of M Open Classes Only Schedule of Classes**

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<table>
<thead>
<tr>
<th>CAT#</th>
<th>Course Title</th>
<th>CR</th>
<th>PREREQ</th>
<th>LAB FEE</th>
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Only incoming MSW students enroll in this mini course.

Incoming Students - By enrolling in this section you are also committed to enroll in section 010 of SW 521.

Incoming Students - By enrolling in this section you are also committed to enroll in section 013 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 010 of SW 511.

Incoming Students - By enrolling in this section you are also committed to enroll in section 003 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 010 of SW 550.

Incoming Students - By enrolling in this section you are also committed to enroll in section 003 of SW 550.

Incoming Students - By enrolling in this section you are also committed to enroll in section 002 of SW 550.

Incoming Students - By enrolling in this section you are also committed to enroll in section 010 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 003 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 002 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 001 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 010 of SW 521.

Incoming Students - By enrolling in this section you are also committed to enroll in section 003 of SW 521.

Incoming Students - By enrolling in this section you are also committed to enroll in section 001 of SW 521.

Incoming Students - By enrolling in this section you are also committed to enroll in section 010 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 003 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 001 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 002 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 001 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 002 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 001 of SW 560.

Incoming Students - By enrolling in this section you are also committed to enroll in section 002 of SW 560.
The course description can be found at: https://pharmacy.umich.edu/service. Note that permission is required to register for this course. Kineslgy 581, MoveSci 481, Pharmacy 503, PubHlth 503, and Social Work 573 are cross listed courses. If you would like to register for Kineslgy 581, MoveSci 481, SW 573 or PubHlth 503 please send a request, including your student ID#, to ServiceForHealth@umich.edu.

Priority is given to Detroit Clinical Scholars. Others will need to submit a Course Enrollment Petition. Scholars will receive an electronic permission to enroll in this course prior to registration.

This class will be taught as a hybrid course which means that you will have a combination of web-based class sessions and face to face class sessions. This class will meet as follows:

Sept 17, in person
Sept 24, via bluejeans
Oct 1, in person
Oct 22, in person
Nov 5, via bluejeans
Nov 12, in person
Dec 3, in person

This course is for Detroit Clinical Scholars only. Scholars will receive an electronic permission to enroll. This course will meet on: 9/27, 10/25, 11/8, 11/29, 12/6.

This is the capstone course for Integrated Health Scholars. Scholars will receive an electronic permission to enroll. This class meets the following dates:
9/14, 9/28, 10/12, 10/26, 11/16, 11/30, 12/7.

This course is for Detroit Clinical Scholars only. Scholars will receive an electronic permission to enroll. This course will meet on: 9/27, 10/25, 11/8, 11/29, 12/6.

This class meets the following dates:
9/14, 9/28, 10/12, 10/26, 11/16, 11/30, 12/7.
Dates to be determined. If you enroll it is your responsibility to check on the dates later once they are entered.

This is the capstone course for New Leaders in African-Centered Social Work Scholars. This course does not meet limited to): psychology, communications, journalism, social media, information, computer science, law, and history.

Classes will be collaborative and multidisciplinary. Class time will focus on providing background information on, and discussion about, the problem. Students will spend additional time outside of class meeting in groups, thinking through the problem, and doing research in the service of the final class project, which they will present at the end of the semester 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 February 23, 2018, and March 16, 2018.

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 is the capstone course for New Leaders in African-Centered Social Work Scholars. This course does not meet limited to): psychology, communications, journalism, social media, information, computer science, law, and history.

Class time will focus on providing background information and discussion with topical experts. Students are expected to spend additional time outside of class contacting experts and researching scientific and lay materials.

At the end of the term, students will present a 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 February 23, 2018, and March 16, 2018.
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. Students with less than doctoral standing may be dropped if appropriate approval was not sought.

Students with less than doctoral standing are expected to seek permission of the course instructor prior to enrolling. Students with less than doctoral standing may be dropped if appropriate approval was not sought.

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# Stamps School of Art & Design

## School Of Art And Design

### Art and Design Study Abroad (ADABRD) Open Sections

<table>
<thead>
<tr>
<th>CAT#</th>
<th>Course Title</th>
<th>CR</th>
<th>Prereq</th>
<th>LAB</th>
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<td>339</td>
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<tr>
<td>352</td>
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### Art and Design (ARTDES) Open Sections

| 100  | Drawing: Observation | | | | |
| 20501 | PR LAB 001 MW 830-1045AM 2044 A&AB Freelinghuysen | 1 | |
| 20502 | PR LAB 002 MW 830-1045AM 2062 A&AB Brienda | 1 | |
| 20504 | PR LAB 004 MW 2-415PM 2044 A&AB Luchs | 11 | |
| 20505 | PR LAB 005 MW 2-415PM 2063 A&AB Brienda | 9 | |
| 20507 | PR LAB 006 MW 11-115PM 2044 A&AB Luchs | 3 | |
| 20508 | PR LAB 007 MW 530-745PM 2062 A&AB VanVoorhis | 6 | |
| 20512 | PR LAB 008 MW 530-745PM 2063 A&AB Freelinghuysen | 4 | |
| 20509 | PR LAB 009 TTH 830-1045AM 2062 A&AB Marchalotis | 3 | |
| 20510 | PR LAB 010 TTH 2-415PM 2062 A&AB Cogswell Jr | 4 | |
| 20511 | PR LAB 011 TTH 2-415PM 2063 A&AB Burgard | 4 | |
| 20512 | PR LAB 012 TTH 2-415PM 2062 A&AB Venturelli | 4 | |
| 20513 | PR LAB 013 MW 2-415PM 2062 A&AB VanVoorhis | 7 | |

### Studio: 2D

| 115  | | | | |
| 22832 | PR LAB 001 MW 830-1045AM 2023 A&AB Poskovic | 4 | |
| 22836 | PR LAB 002 MW 830-1045AM 2043 A&AB Greene | 3 | |
| 22837 | PR LAB 003 MW 2-415PM 2040 A&AB Hay | 8 | |
| 22838 | PR LAB 004 MW 2-415PM 2126 A&AB Cardinal | 7 | |
| 22839 | PR LAB 005 TTH 830-1045AM 2023 A&AB Hay | 1 | |
| 22840 | PR LAB 006 TTH 830-1045AM 2042 A&AB Smith | 3 | |
| 22841 | PR LAB 007 TTH 2-415PM 2023 A&AB Greene | 3 | |
| 24908 | PR LAB 006 TTH 2-415PM 2043 A&AB Deva | 4 | |
| 24909 | PR LAB 007 TTH 2-415PM 2040 A&AB Hixson | 3 | |
| 24910 | PR LAB 008 TTH 2-415PM 2030 A&AB Deva | 3 | |
| 24911 | PR LAB 009 TTH 2-415PM 2043 A&AB Hixson | 7 | |

### Studio: 3D

| 120  | | | | |
| 26644 | PR LAB 001 MW 11-115PM 1108 A&AB Thompson | 1 | |
| 18720 | PR LAB 002 MW 830-1045AM 1269 A&AB Porter | 5 | |
| 18721 | PR LAB 003 MW 830-1045AM 2057 A&AB Hiraga | 18 | |
| 18722 | PR LAB 004 MW 2-415PM 2058 A&AB Bales | 6 | |
| 18723 | PR LAB 005 MW 2-415PM 1269 A&AB Andersen | 6 | |
| 18942 | PR LAB 006 MW 530-745PM 2058 A&AB Thompson | 2 | |
| 21531 | PR LAB 007 MW 530-745PM 2057 A&AB Hoge | 2 | |
| 24906 | PR LAB 008 TTH 530-745PM 2048 A&AB Tharp | 7 | |
| 24907 | PR LAB 009 TTH 530-745PM 1258 A&AB Roderer | 8 | |
| 25132 | PR LAB 010 TTH 1258 A&AB Roderer | 4 | |

### First Year Writing

| 129  | | | | |
| 32414 | REC 001 MW 530-7PM 2147 A&AB Hirsch | 11 | |
| 32415 | REC 002 MW 830-10AM 2216 A&AB Funkenstein | 17 | |
| 32690 | REC 003 MW 11-1230PM 2058 A&AB Funkenstein | 6 | |

### Lecture Series I

| 160  | | | | |
| 16349 | LEC 001 TH 5-630PM MICH THTR Burgard | 89 | |

### Digital Photo

| 173  | | | | |
| 35070 | LAB 003 TTH 530-745PM 2062 A&AB Clarke | 17 | |

### In Design

| 191  | | | | |
| 24053 | REC 002 T 530-745PM 1155 NQ White | 6 | |

### Illustrator

| 192  | | | | |
| 24055 | REC 002 M 6-815PM 2126 A&AB Manos | 2 | |

### Sewing

| 197  | | | | |
| 35072 | LAB 003 T 2-415PM 1076 A&AB Cappetelli | 2 | |

### Stitched Assemblage

| 35073 | LAB 004 T 2-415PM 1076 A&AB Cappetelli | 1 | |

### Penny Stamps Visiting Artist Series

| 160  | | | | |
| 173  | Digital Photo | 3.00 | 75.00 | |
| 191  | In Design | 1.00 | | 6 | |
| 192  | Illustrator | 1.00 | 200.00 | |

### Wearables

| 300  | | | | |
| 28799 | LAB 001 TTH 830-1045AM 2147 A&AB Powden, Smotrich | 3 | |

### Special Topics

| 300  | | | | |
| 300  | Special Topics | 2.00-3.00 | 250.00 | |

### Voting is Sexy

| 300  | | | | |
| 300  | Special Topics | 2.00-3.00 | 250.00 | |

### Florilegium (UMBS)

<p>| 304  | Clay to Bronze | 3.00 | 350.00 | |</p>
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U of M Open Classes Only Schedule of Classes  Page 307 of 308  FA 2018 2210 07-30-2018 02:07 20700154
<table>
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<th>CAT#</th>
<th>Course Title</th>
<th>CR</th>
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