The effective date for new programs subject to Statewide Academic Program review is implemented in accordance with the Statewide Academic Program Review calendar.
TO: Faculty Senate

This report is prepared and distributed for the following purposes:

1. To report new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses.
2. To notify the initiating colleges, schools, and departments of approval by the University Committee on Curriculum of their requests for new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses. Any items not approved by the Faculty Senate will be reported to the appropriate college and department or school.
3. To provide information to members of the faculty in each department about academic programs and courses in all colleges, departments, and schools of the University.

Reports of the University Committee on Curriculum to the Faculty Senate are organized as follows:

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES:
Organized by colleges in alphabetical order. For a given college, academic units are organized in alphabetical order. For a given academic unit, degrees, majors, and specializations are organized in alphabetical order.

PART II - NEW COURSES:¹
Organized by academic units in alphabetical order; All-University courses appear last. For a given academic unit, courses are organized according to the names associated with course subject codes, in alphabetical order. Courses with the same subject code are in numerical order.

PART III - COURSE CHANGES:¹
Organized by academic units in alphabetical order; All-University courses appear last. For a given academic unit, courses are organized according to the names associated with course subject codes, in alphabetical order. Courses with the same subject code are in numerical order.

Not all of the above categories, and not all of the colleges and academic units, will necessarily appear in any given Senate Report.

¹One or more of the abbreviations that follow may be included in a course entry:

   P: = Prerequisite monitored in SIS
   C: = Corequisite
   R: = Restriction
   RB: = Recommended background
   SA: = Semester Alias
MICHIGAN STATE UNIVERSITY
February 20, 2018

TO: Faculty Senate
FROM: University Committee on Curriculum
SUBJECT: New Academic Programs and Program Changes: New Courses and Course Changes

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

1. Change the requirements for the Master of Science degree in Fisheries and Wildlife in the Department of Fisheries and Wildlife. The University Committee on Graduate Studies (UCGS) approved this request at its January 8, 2018 meeting.

   a. Under the heading Admission delete the last sentence of the paragraph:

      The Subject Test in Biology is recommended.

   b. Under the heading Requirements for the Master of Science Degree in Fisheries and Wildlife replace the paragraph with the following:

      The student may elect either Plan A (with thesis) or Plan B (without thesis). A total of 30 credits is required for the degree under either Plan A or Plan B. The student and the major professor plan a program of study that includes FW 894 and courses related to one or more of the areas of specialization within the field of fisheries and wildlife. Students are required to plan and execute a departmentally approved outreach experience, or in lieu of this, include FW 895 in their approved program. The program must be approved by the student's guidance committee which includes at least two members in addition to the major professor, at least one of which is from the Department of Fisheries and Wildlife.

   Effective Summer 2018.

2. Change the requirements for the Doctor of Philosophy degree in Fisheries and Wildlife in the Department of Fisheries and Wildlife. The University Committee on Graduate Studies (UCGS) approved this request at its January 8, 2018 meeting.

   a. Under the heading Admission replace the entire paragraph with the following:

      Applicants for a doctoral program should have completed a Bachelor of Science degree in a biological or other appropriate science. For some areas of specialization, additional background in mathematics, chemistry, botany, zoology, or a related Master of Science degree is desirable. Scores on the Graduate Record Examination General Test are required.

   b. Under the heading Requirements for the Doctor of Science Degree in Fisheries and Wildlife replace the paragraph with the following:

      The student and the major professor plan a program of study that includes FW 894 and courses related to one or more of the areas of specialization within the field of fisheries and wildlife. Students are required to plan and execute a departmentally approved outreach experience, or in lieu of, include FW 895 in their approved program. The program must be approved by the student's guidance committee, which includes at least three members in addition to the major professor, at least one of who is from a department other than Fisheries and Wildlife and at least one of whom is from the Department of Fisheries and Wildlife.

   Effective Fall 2018.
COLLEGE OF ARTS AND LETTERS

1. Delete the curriculum and degree requirements for the Doctor of Philosophy degree in American Studies in the College of Arts and Letters. The University Committee on Graduate Studies (UCGS) provided consultative commentary to the Provost after considering this request. The Provost made the determination to discontinue the program after considering the consultative commentary from the University Committee on Graduate Studies.

No new students are to be admitted to the program effective Spring 2010. No students are to be readmitted to the program effective Spring 2010. Effective Fall 2017, coding for the program will be discontinued and the program will no longer be available in the College of Arts and Letters. Students who have not met the requirements for the Doctor of Philosophy degree in American Studies through the College of Arts and Letters prior to Fall 2017 will have to change their major.

2. Change the requirements for the Bachelor of Arts degree in Chinese in the Department of Linguistics and Germanic, Slavic, Asian and African Languages. The Teacher Education Council (TEC) approved this request at its January 8, 2018 meeting.

b. Under the heading Additional Major in Chinese replace the language with the following:

This option is designed to encourage students to combine a major in Chinese with a major in another field. Students electing an additional major must meet the requirements of the College of Arts and Letters for the Bachelor of Arts degree and must complete requirement 3. a. in the Bachelor of Arts degree in Chinese above to fulfill the requirement of 31 semester credits.

Effective Fall 2018.

   a. Under the heading Requirements for the Minor in Chinese replace the entire entry with the following:

   Complete a minimum of 17 or 18 credits from the following:

   1. All of the following courses (14 credits):
      - CHS 201 Second-Year Chinese I 5
      - CHS 202 Second-Year Chinese II 5
      - CHS 301 Third-Year Chinese I 4

   2. One of the following courses (3 or 4 credits):
      - CHS 302 Third-Year Chinese II 4
      - CHS 350 Studies in Chinese Language 3
      - CHS 360 Chinese Film Studies 3
      - CHS 366 Chinese Culture: Tradition and Modernity (W) 3
      - CHS 401 Fourth-Year Chinese I (W) 3
      - CHS 410 Chinese Short Stories 3
      - CHS 411 Advanced Spoken Chinese 3

   With advisor approval, students may select a special topics, independent study, or senior thesis course to fulfill this requirement.

   Effective Fall 2018.

4. Change the requirements for the Disciplinary Teaching Minor in Chinese that is available for elementary and secondary teacher certification in the Department of Linguistics and Germanic, Slavic, Asian and African Languages. The Teacher Education Council (TEC) approved this request at its January 8, 2018 meeting.

   a. Under the heading Chinese make the following change:

      (1) In item 2. add the following courses:

      - CHS 360 Chinese Film Studies 3
      - CHS 410 Chinese Short Stories 3
      - CHS 411 Advanced Spoken Chinese 3

   Effective Fall 2018.

5. Delete the curriculum and degree requirements for the Disciplinary Teaching Minor in Russian in the Department of Linguistics and Germanic, Slavic, Asian and African Languages. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request. The Provost made the determination to discontinue the program after considering the consultative commentary from the University Committee on Undergraduate Education.

   No new students are to be admitted to the program effective Fall 2017. No students are to be readmitted to the program effective Fall 2017. Effective Summer 2018, coding for the program will be discontinued and the program will no longer be available in the Department of Linguistics and Germanic, Slavic, Asian and African Languages. Students who have not met the requirements for the Disciplinary Teaching Minor in Russian through the Department of Linguistics and Germanic, Slavic, Asian and African Languages prior to Summer 2018 will have to change their minor.
COLLEGE OF COMMUNICATION ARTS AND SCIENCES

1. Change the requirements for the Bachelor of Arts degree in Journalism in the School of Journalism. The Teacher Education Council (TEC) approved this request on January 8, 2018.

The concentrations in the Bachelor of Arts degree in Journalism will be noted on the student’s academic record when the requirements for the degree have been completed.

a. Delete the Admission statement.

b. Under the heading Requirements for the Bachelor of Arts Degree in Journalism replace the entire entry with the following:

1. The University requirements for bachelor's degrees as described in the Undergraduate Education section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Journalism.

The University's Tier II writing requirement for the Journalism major is met by completing Journalism 300. That course is referenced in item 3. a. below.

The requirements of the College of Communication Arts and Sciences for the Bachelor of Arts degree.

The following requirements for the major:

a. All of the following core courses (19 to 24 credits):
   - JRN 108 The World of Media 3
   - JRN 200 Writing and Reporting News 3
   - JRN 203 Visual Storytelling 3
   - JRN 300 Multimedia Writing and Reporting (W) 3
   - JRN 325 Journalism History 3
   - JRN 430 News Media Law and Ethics 3
   - JRN 493 Journalism Professional Field Experience 1 to 6

   Students must achieve a minimum grade-point average of 2.0 or higher in Journalism 200 and 300 in all credits attempted.

b. One of the following courses (3 credits):
   - CAS 110 Creative Thinking 3
   - CAS 111 Design and Layout 3
   - CAS 112 Story, Sound and Motion 3
   - CAS 114 Creativity and Innovative Entrepreneurship 3
   - CAS 116 Media Sketching and Graphics 3

c. Complete a concentration or minor (12 to 15 credits).

   Students may choose from the following concentrations (12 credits).

   Students may select special topics to fulfill concentration requirements with advisor approval.

   Broadcast Journalism
   All of the following courses:
   - JRN 206 Video Storytelling with Cell Phones 3
   - JRN 306 Introduction to Radio, Podcasting and TV News 3
   - JRN 403 TV News 3
   - JRN 406 Advanced TV News Storytelling and Producing 3

   Environment, Science and Health Reporting
   Both of the following courses:
   - JRN 372 Environment, Science and Health Journalism Special Topics 3
   - JRN 472 Environment, Science and Health Reporting 3

   Complete 6 credits from the following:
   - JRN 372 Environment, Science and Health Journalism Special Topics 3
   - JRN 472 Environment, Science and Health Reporting 3
   - JRN 492 Journalism Special Topics 3

   A 300-level or above environment-relevant non-Journalism course with advisor approval.
Students who reenroll in JRN 372, 472, or 492 must select a different topic than previously taken.

**Information Graphics**
All of the following courses:
- JRN 338 Information Graphics 3
- JRN 345 Images and Messages 3
- JRN 438 Advanced Information Graphics 3
Complete 3 credits from the following:
- JRN 336 Designing for Media 3
- JRN 492 Journalism Special Topics 3
- Study Abroad, Creative Journey – Barcelona to Berlin 3
Students who reenroll in JRN 492 must select a different topic than previously taken.

**International Reporting**
All of the following courses:
- JRN 265 International Journalism and Media 3
- JRN 365 International News and Government Dynamics 3
- JRN 465 International Reporting 3
Complete 3 credits from the following:
- JRN 365 International News and Government Dynamics 3
- JRN 492 Journalism Special Topics 3
- Study Abroad in Journalism 3
Students who reenroll in JRN 365 or 492 must select a different topic than previously taken.

**Journalism Education**
All of the following courses:
- JRN 206 Video Storytelling with Cell Phones 3
- JRN 310 Photojournalism 3
- JRN 336 Designing for Media 3
- JRN 409 Advising Student Publications 3

**Media Design**
All of the following courses:
- JRN 336 Designing for Media 3
- JRN 345 Images and Messages 3
- JRN 436 Design for Web and Mobile Devices 3
Complete 3 credits from the following:
- JRN 338 Information Graphics 3
- JRN 492 Journalism Special Topics 3
Students who reenroll in JRN 492 must select a different topic than previously taken.

**Media Relations**
All of the following courses:
- JRN 206 Video Storytelling with Cell Phones 3
- JRN 310 Photojournalism 3
- JRN 336 Designing for Media 3
- JRN 402 Public Relations Topics in Journalism 1
Complete at least 2 credits from the following:
- ADV 402 Public Relations Topics in Advertising 1
- COM 402 Public Relations Topics in Communication 1
- JRN 345 Images and Messages 3
- JRN 402 Public Relations Topics in Journalism 1
- JRN 492 Journalism Special Topics 2
Students who reenroll in ADV 402, COM 402, JRN 402, or JRN 492 must select a different topic than previously taken.

**Photojournalism**
All of the following courses:
- JRN 310 Photojournalism 3
- JRN 345 Images and Messages 3
- JRN 410 Advanced Photojournalism: Documentary 3
Complete 3 credits from the following:
- CAS 110 Creative Thinking 3
- CAS 112 Story, Sound and Motion 3
- CAS 205 Photography in Media Settings 3
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

CAS 396 Integrated Media Arts Special Topics 3
CAS 496 Advanced Media Project Design and Production (W) 3
JRN 483 Photo Communication in Europe 3
JRN 492 Journalism Special Topics 3

Students enrolling in CAS 396 or 496 must have advisor approval to ensure appropriate content.

Students who reenroll in JRN 492 must select a different topic than previously taken.

**Sports Journalism**
All of the following courses:
- JRN 218 Sports in Contemporary Media 3
- JRN 317 Sports Journalism 3
- JRN 416 Sports Multimedia Content Management 3
- JRN 418 Advanced Sports Reporting 3

**Writing, Reporting and Editing**
All of the following courses:
- JRN 305 Editing for Print and Digital 3
- JRN 407 Advanced Reporting 3
- JRN 432 Magazine, Feature and Freelance Writing 3

One of the following courses:
- JRN 420420(790,556),(820,585) Capital News Service 3
- JRN 472 Environment, Science and Health Reporting 3
- JRN 492 Journalism Special Topics 3

Study Abroad in Mass Media with a writing component 3

Students may choose from the following minors (15 credits):
- Animation and Comics Storytelling in Media
- Broadcast Journalism, Documentary Production, Entrepreneurship and Innovation
- Public Relations, or Sports Journalism. Students should consult the Academic Programs catalog statement in the department that administers the minor to learn the requirements.

d. The following courses from an approved list in the School of Journalism, in departments outside the College of Communication Arts and Sciences:

(1) Literature: One course (3 credits)
(2) Civics: One course (3 credits)

e. Journalism majors must complete a minimum of 72 credits in courses outside of the School of Journalism, and mass communication. Journalism majors may complete up to 48 credits in journalism and mass communication.

Effective Fall 2018.

2. Establish a **Minor in Broadcast Journalism** in the School of Journalism. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its October 5, 2017 meeting.

a. **Background Information:**

MSU’s School of Journalism has been continuously accredited since 1949, and has the strongest and best-known journalism program in Michigan and is in the top tier of programs in the country. The last accreditation report said that “MSU’s Journalism program is in that select group of premier programs today.” The department aims to continue to be on the cutting-edge, paying attention to the changes and needs of the industry. A minor in broadcast journalism signals that audio and video storytelling is not merely about production, but about ethical research, reporting, writing and dissemination of stories in multiple platforms.

The minor provides valuable preparation to students as it signals to students and to prospective employers that new professionals have in-depth training in journalism by means of audio and video storytelling for news and information. It shows potential employers and internship coordinators that students are committed to broadcast
journalism. Prospective employers can scan a resume and see a Journalism degree with a broadcast minor, which is unique.

Students in the School of Journalism desire this minor, as indicated by the number of students in the broadcast sequence and according to surveys by our students, which is the largest or second largest concentration in terms of students.

With the debut of the new newsroom and the broadcast area as a focal point in it, the first major construction in the college in 30 years, students are able to stretch their broadcast skills in a newsroom through radio, live-stream interviews and student-produced news programs. The School already has a huge award-winning 30-minute student TV news show produced every two weeks. Daily 5-minute radio new programs and daily 5-minute TV news shows—are planned in collaboration with our classes.

Moreover, the time is right because of the addition of new faculty. Adding to our award-winning broadcast faculty, Mike Castellucci, is an internationally recognized reporter and anchor, who excels in broadcast delivery, performance and storytelling. His iPhone broadcast journalism storytelling has made waves throughout the global industry.

Creating a broadcast minor strengthens ties with WKAR Radio and TV who seeks new, innovative ways to work and connect with students, and who already produce content for WKAR radio WKAR digital. The School wishes to collaborate more with WKAR TV.

The new minor fits nicely with the mission and directives of the School. A minor marshals the high-profile professional faculty, new newsroom, student, and professional awards into a formal program that produces regular newscasts and collaborations with WKAR. A minor that combines journalism and broadcast can attract prospective students, who want a major in journalism with a formal focus in broadcast news and information.

b. Academic Programs Catalog Text:

The Minor in Broadcast Journalism, which is administered by the School of Journalism, provides students a strong foundation for a career in broadcast journalism. Using cutting-edge technology, students will gain experience in audio and video storytelling, on-air performance, and the production of high-end newscasts, replicating the real-world of visual media for television and other digital platforms.

The minor is available to students who are enrolled in the Journalism major at Michigan State University. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor’s degree.

To be considered for admission, a student must have been formally admitted to the Journalism major. Students who plan to apply to the program should complete an application and submit it to the School of Journalism.

Requirements for the Minor in Broadcast Journalism

Complete 15 credits from all of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>JRN 206</td>
<td>Video Storytelling with Cell Phones</td>
<td>3</td>
</tr>
<tr>
<td>JRN 303</td>
<td>On-Air Announcing, Interviewing and Hosting</td>
<td>3</td>
</tr>
<tr>
<td>JRN 306</td>
<td>Introduction to Radio, Podcasting and TV News</td>
<td>3</td>
</tr>
<tr>
<td>JRN 403</td>
<td>TV News</td>
<td>3</td>
</tr>
<tr>
<td>JRN 406</td>
<td>Advanced TV News, Storytelling and Producing</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective Fall 2018.
3. Establish a **Minor in Sports Journalism** in the School of Journalism. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its October 5, 2017 meeting.

   a. **Background Information:**

   Sports journalism is a globally dominant medium, with major media organizations across the world providing content in different platforms, such as television, radio, multimedia, print, photography and social media. There is a long history of sports, and sports journalism, being an important and dynamic facet of society from a local to international levels. The School of Journalism has successfully been offering popular classes in sports journalism for more than a decade, and in response to increasing student demand, is expanding the curriculum. The field of sports journalism has evolved into a multi-trillion dollar business array around the world, employing millions of journalists and media professionals. The School of Journalism is uniquely positioned to address the need for more sports journalists, marshaling resources into a powerful Minor in Sports Journalism program. This program of sports journalism study will formalize the School’s existing reputation of being a hub for focus on critical thinking, sports journalism training, and professional career building. Other universities are starting to offer courses, minors, and even majors in sports journalism to meet student demand. Enacting a robust Minor in Sports Journalism will codify the School of Journalism’s existing classes and keep MSU at the global forefront of Journalism schools and sports journalism. Sports Journalism industry leaders, such as ESPN, MLB.com, Sports Illustrated, CNN Sports, Detroit Free Press, Lansing State Journal, HOMtv, Fox Sports, and others are already in well-established and strong strategic partnerships with the School of Journalism’s existing sports journalism classes and internship streams. We are the only unit at Michigan State University where students can learn professional sports journalism from an elite group of internationally-known and award-winning faculty dedicated to teaching and researching sports journalism.

   The Minor in Sports Journalism will provide Michigan State University School of Journalism students with the opportunity to focus their classes and training on their preferred journalism discipline. Students will learn critical thinking, effective forms of sports journalism, and create thoughtful and ethical professional-caliber work. Sports Journalism is one of the most popular areas of study within the School of Journalism, as indicated by consistently high incoming student demand, and strong class enrollments. Outside experiential learning, from a Sports Journalism Education Abroad, to partnerships with WKAR, MSU Athletics and other MSU-based entities will create exclusive opportunities for student development. Upon completion of the program, MSU Journalism students, through their comprehensive journey in the Minor in Sports Journalism, will be highly competitive in this growing global job market.

   Through a sequence of Minor in Sports Journalism courses, students will be able to build a strong foundation in the skills necessary to conceptualize, research, create and deliver traditional, multimedia, broadcast, and social media sports journalism content. The result is a focus on the instructional, narrative, historical, new issues and events, technical sports knowledge of athletics, games, athletes and equipment, combined with a look at the cultural, global, and historical impacts of sports journalism. This multi-dimensional approach fits squarely with the College of Communication Arts and Science’s approaches of being globally facing and employing new technologies. The Minor in Sports Journalism is also completely aligned with the School of Journalism’s objectives to instill critical thinking, ethics, creativity, comprehensive industry and subject knowledge to empower strong students for the competitive job market.

   b. **Academic Programs Catalog Text:**

   The Minor in Sports Journalism, which is administered by the School of Journalism, provides students a strong foundation and marketable skills necessary to conceptualize, develop, research, interview, create and deliver traditional, multimedia, broadcast, and social media sports journalism content. Sports journalism content includes news issues, events, narrative and linear journalistic storytelling techniques, history, global sports and media relationships, social media, sports terminology, game play, rules, equipment and processes, and impact on society at all levels. Students will demonstrate critical thinking
combined with journalistic framing, enabling professional content, context and ethics across global media platforms and audiences.

The minor is available to students who are enrolled in the Journalism major at Michigan State University. With the approval of the department and college that administer the student’s degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor’s degree.

To be considered for admission, a student must have been formally admitted to the Journalism major. Students who plan to apply to the program should complete an application and submit it to the School of Journalism.

Requirements for the Minor in Sports Journalism

Complete 15 credits from the following:

1. All of the following courses (12 credits):
   - JRN 218 Sports in Contemporary Media 3
   - JRN 317 Sports Journalism 3
   - JRN 416 Sports Multimedia Content Management 3
   - JRN 418 Advanced Sport Reporting 3

2. One of the following courses (3 or 6 credits):
   - JRN 303 On-Air Announcing, Interviewing and Hosting 3
   - JRN 432 Magazine, Feature and Freelance Writing 3
   - JRN 492 Journalism Special Topics 3

Students interested in a journalism study abroad experience may contact the advisor for the minor. The study abroad experience is a 6 credit experience taken under a special section of JRN 492.

Effective Fall 2018.

COLLEGE OF ENGINEERING

1. Change the requirements in the Bachelor of Science degree in Computer Engineering in the Department of Electrical and Computer Engineering.

The optional concentration in the Bachelor of Science degree in Computer Engineering is noted on the student’s academic record when the requirements for the degree have been completed.

a. Under the heading Requirements for the Bachelor of Science Degree in Computer Engineering make the following changes:

   (1) In item 3. b., delete the following course:
   - ECE 480 Senior Design 4

   (2) Reletter item 3. c. to 3. d.

   (3) Add the following item 3. c.:

   One of the following courses (4 credits):
   - ECE 480 Senior Design 4
   - ECE 489 Independent Senior Design 4

Effective Fall 2018.
2. Change the requirements in the Bachelor of Science degree in Electrical Engineering in the Department of Electrical and Computer Engineering.

The optional concentration in the Bachelor of Science degree in Electrical Engineering is noted on the student’s academic record when the requirements for the degree have been completed.

a. Under the heading Requirements for the Bachelor of Science Degree in Electrical Engineering make the following changes:

   (1) In item 3. b., delete the following course:

   ECE 480 Senior Design 4

   (2) Reletter item 3. c. and 3.d. to 3. d. and 3. e. respectively.

   (3) Add the following item 3. c.:

   One of the following courses (4 credits):

   ECE 480 Senior Design 4
   ECE 489 Independent Senior Design 4

Effective Fall 2018.

COLLEGE OF HUMAN MEDICINE

1. Establish a Master of Arts degree in Clinical Medicine in the College of Human Medicine. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 9, 2017 meeting.

a. Background Information:

   The mission of the Michigan State University (MSU) College of Human Medicine (CHM) is to educate exemplary physicians and scholars, discover and disseminate new knowledge, and provide service at home and abroad. CHM enhances their communities by providing outstanding primary and specialty care, promoting the dignity and inclusion of all people, and responding to the needs of the medically underserved (http://humanmedicine.msu.edu/About/Mission.htm). The CHM Office of Admissions uses a holistic approach of application review with the goal of matriculating a diverse student body who will ultimately serve a diverse population (http://humanmedicine.msu.edu/Admissions/Admissions_Office.htm). It is CHM’s hope that all students will be successful in their goals to attain the Doctor of Medicine (M.D.) degree. However, CHM is aware exceptions occur. The development of the Master of Arts Degree in Clinical Medicine aids those who have successfully completed the first two years of medical school but have decided, for personal or other reasons, not to pursue their M.D. degree. The Master of Arts Degree in Clinical Medicine will provide these students with recognition of the work done and skills learned in the Early (year 1) and Middle (year 2) Clinical Experience segments of the Shared Discovery Curriculum, helping them in their pursuit of alternative careers.

   There are two categories of students who would be eligible to apply for the Master of Arts Degree in Clinical Medicine. First, a student who was highly successful in the first two years of medical school, but decided that they no longer want to pursue the profession of medicine, for personal or other reasons. Second, a student who struggled through the first two years of medical school, passed all of the required courses, but CHM has strong reservations that they would be successful in passing Step 1 of the United States Medical Licensing Examination and/or the clerkships in the Late Clinical Experience (years 3 and 4) of the curriculum to earn a M.D. degree.
The Master of Arts Degree in Clinical Medicine would be an adoption of the MSU CHM Shared Discovery Curriculum (SDC), with an additional requirement of research or equivalent capstone experience required to complete the degree. Since the SDC, by design, has been constructed to include early and ongoing longitudinal clinical experiences with a robust integration of basic and clinical sciences throughout the curriculum, students completing the first two years of the curriculum will have had significant patient contact and patient care experience in addition to education in basic and medical sciences. Thus, the Master of Arts Degree in Clinical Medicine would differ significantly from traditional Master of Science in Medical Science degrees offered by medical schools with a traditional 2 + 2 (two years of preclinical, basic science course work followed by two years of clinical education) curriculum.

Once the offer has been made by CHM, the student may or may not elect to switch from the M.D. to the M.A. program. The program should have minimal impact on the human or financial resources of MSU or CHM. Of the 190 students who matriculate each year, historically we predict no more than two per year would be eligible for the MA program.

Currently enrolled students who have completed or are near completion of the first two years of medical school are eligible to apply. If, however, the student is struggling with professionalism issues, as opposed to academic struggles, they would not be eligible for the M.A. program. Once a student transfers into the M.A. program, they cannot return to pursuing the M.D. degree at MSU CHM. Dual degrees will not be conferred to those who successfully complete the four-year curriculum and receive the Doctorate of Medicine degree.

b. **Academic Programs Catalog Text:**

The Master of Arts Degree in Clinical Medicine provides longitudinal clinical experiences with a robust integration of basic and clinical sciences, including significant patient contact and patient care experience, in addition to education in basic and medical sciences.

In addition to meeting the requirements of the University as described in the *Graduate Education* section of this catalog, students must meet the requirements specified below.

**Admission**

To be considered for admission to the Master of Arts Degree in Clinical Medicine, students must:

1. be a currently enrolled College of Human Medicine medical student;
2. have successfully completed the first two years of medical school including HM 552, HM 553, and HM 554;
3. elect not to continue to completion of the M.D. degree.

Once a student transfers into the M.A. program, they cannot return to pursuing the M.D. degree at Michigan State University in the College of Human Medicine. Dual degrees will not be conferred to those who successfully complete the four-year curriculum and receive the Doctorate of Medicine degree.

Students with critical deficiencies for the SCRIPT competency of professionalism as defined in the *Student Manual for Assessment and Promotion* are not eligible.

**Requirements for the Master of Arts Degree in Clinical Medicine**

The program is available under Plan B (without thesis). The student must complete a total of 35 credits distributed as follows:

1. Both of the following courses (32 credits):
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM 555</td>
<td>Medical School IV</td>
<td>16</td>
</tr>
<tr>
<td>HM 556</td>
<td>Medical School V</td>
<td>16</td>
</tr>
</tbody>
</table>
2. Completion of the following capstone course (3 credits):
   HM 895 Clinical Medicine Capstone Experience 3
   The capstone experience must be completed within one full semester of entry into the program. Students qualifying for an incomplete grade would be expected to complete the capstone experience no later than the middle of the student's next semester, consistent with University policy.

   Effective Summer 2018.

   **COLLEGE OF LAW**

   1. Establish a **Master of Legal Studies** degree in **Legal Studies** in the College of Law. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 9, 2017 meeting.

   a. **Background Information:**

   Knowledge of laws, regulations, and legal processes is becoming intertwined in other disciplines. Professionals from fields such as healthcare, food science, compliance, engineering, and construction, among others, routinely encounter legal issues. While not all professionals require the three-year knowledge of a Juris Doctor (JD) nor state licensure to practice law (passing a bar examination), professionals from myriad industries will benefit from greater legal knowledge.

   The MSU College of Law proposes to offer a Master of Legal Studies (MLS) degree, a one-year, 24 credit degree that will provide legal knowledge and training to professionals. The program includes core courses, but is designed so that students will be able to customize their program to best align with their professional goals, enabling each student to advance in her current career and, perhaps, explore other professional options.

   Michigan State University College of Law is accredited by the American Bar Association (ABA). The ABA accredits the JD program; for non-JD degrees, the ABA acquiesces. The standard for ABA acquiescence is whether the proposed program will have a detrimental impact on the JD program.

   Since the College of Law has decreasing JD enrollments as a response to the changes in the legal marketplace, seats are available to accommodate non-JD students. MLS students will take JD courses alongside JD students. No new faculty are necessary nor will additional resources be required. No resources will be diverted from the JD program.

   Additionally, while the MLS program is designed to benefit MLS students, the presence of MLS students will enhance the educational experience of JD students. Including professionals from a variety of backgrounds in JD classes will provide a greater spectrum of life experience from which to apply legal knowledge and discuss legal matters. JD students will benefit from hearing the perspectives of working professionals and from networking and learning more about other fields in which they can apply their legal training.

   MSU is an ideal university to offer such a program. Given the location of the College of Law is within minutes of the seat of state government, it is expected to attract government officials, lobbyists, regulators, and professionals from fields including healthcare, construction, criminal justice, and agriculture. Moreover, this degree would capitalize on the synergy between students at the College of Law and the greater University. The MLS degree would be ideal for graduate students in other disciplines.

   b. **Academic Programs Catalog Text:**

   The program is a one-year, 24-credit degree that will provide legal knowledge and training to professionals. The program includes core courses and designed for students to customize their program to best align with their professional goals.
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

**Admission**

Students must:

1. have a bachelor’s degree from a recognized educational institution;
2. demonstrate an interest in and aptitude for legal study through submission of a required personal statement.

Admission to the program is selective and is not guaranteed. An applicant’s overall record will be considered including the student’s personal goals for legal study, letters of recommendation, academic transcripts, and professional experience.

**Academic Requirements**

All students must complete 24 credits within three academic years with a 2.0 minimum cumulative grade-point average.

1. One of the following courses (2 credits):
   - LAW 530D Research, Writing and Analysis
   - LAW 530E Research, Writing and Analysis: Intellectual Property Perspective
   - LAW 530N Research, Writing and Analysis: Criminal Law Perspective
   - LAW 530Q Research, Writing and Analysis: Social Justice Perspectives

2. Two of the following courses (5 to 8 credits):
   - LAW 500F Criminal Law
   - LAW 500G Property
   - LAW 500M Business Enterprises
   - LAW 500N Constitutional Law II
   - LAW 500R Torts I
   - LAW 530B Contracts
   - LAW 532 Administrative Law

3. Electives to meet the minimum requirement of 24 credits, planned in consultation with the student’s advisor and based on the student’s professional needs and interests. Courses are chosen from courses offered to current J.D., L.L.M., and M.J. students.

Effective Fall 2018.

**COLLEGE OF MUSIC**

1. Change the requirements for the Master of Music degree in Music Performance in the College of Music. The University Committee on Graduate Studies (UCGS) approved this request at its January 8, 2018 meeting.

   a. Under the heading Requirements for the Master of Music Degree in Music Performance make the following changes in item 3. Stringed Instruments:

   (a) In item b. add the following course:

      MUS 852E Harp

   (b) In item d. add the following course:

      MUS 852E,

Effective Fall 2018.
COLLEGE OF NATURAL SCIENCE

1. Change the requirements for the Graduate Certificate in Medical Neuroscience in the Program in Neuroscience. The University Committee on Graduate Studies (UCGS) approved this request at its January 8, 2018 meeting.

   a. Under the heading Admission replace items 1. and 2. with the following:

   1. have a bachelor's degree in a biological science background, or a bachelor's degree in another area with equivalent work experience.
   2. have a minimum cumulative undergraduate grade-point average of 2.5 or a graduate grade-point average of 3.0.

   b. Under the heading Requirements for the Graduate Certificate in Medical Neuroscience replace item 2. with the following:

   At least 6 credits from the following courses:
   
   - NEU 842 Neuroethics 2
   - NEU 843 Methods for Assessing the Nervous System 3
   - NEU 844 The Science and Ethics of Brain Interventions 2
   - NEU 847 Development of the Nervous System 3
   - NEU 890 Independent Student in Neuroscience 1 to 3
   - PHM 431 Pharmacology of Drug Addiction 3

   Effective Summer 2018.

2. Change the requirements for the Bachelor of Science degree in Environmental Geosciences in the Department of Earth and Environmental Sciences.

   a. Under the heading Requirements for the Bachelor of Science Degree in Environmental Geosciences make the following changes:

   (1) In item 3. a. change the total credits from '24 to 26' to '35 to 38'.

   (2) In item 3. a. (5) delete the following course:

   ZOL 303 Oceanography 4

   Add the following courses:

   - FW 472 Limnology 3
   - IBIO 303 Oceanography 4

   (3) In item 3. a. (7) delete the following course:

   ZOL 355 Ecology 3

   Add the following course:

   IBIO 355 Ecology 3

   (4) Replace item 3. c. with the following:

   One course from each of the following areas (9 or 10 credits):

   **Hydrogeology Component**
   - CE 421 Engineering Hydrology 3
   - FW 454 Environmental Hydrology for Watershed Management 3
   - GEO 306 Environmental Geomorphology 3
   - GLG 481 Reservoirs and Aquifers 3

   **Geochemical Component**
   - CE 481 Environmental Chemistry – Equilibrium Concepts 3
   - CEM 251 Organic Chemistry I 3
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

CEM 311 Inorganic Chemistry     3
CEM 383 Introductory Physical Chemistry I    3
CSS 455 Pollutants in the Soil Environment    3
GLG 361 Igneous and Metamorphic Geochemistry and Petrology     4

Geobiological Component
ENE 487 Microbiology for Environmental Science and Engineering     3
FW 420 Stream Ecology      3
GLG 433 Vertebrate Paleontology     4
GLG 434 Evolutionary Paleontology     4
GLG 435 Geomicrobiology     4
IBIO 355 Ecology      3
MMG 425 Microbial Ecology     3

Students may not use IBIO 355 to count towards this requirement if used to fulfill requirement 3. a. (7).

Effective Summer 2018.

COLLEGE OF OSTEOPATHIC MEDICINE

1. Change the requirements for the Professional Program in Osteopathic Medicine leading to the Doctor of Osteopathic Medicine degree the College of Osteopathic Medicine. The University Committee on Graduate Studies (UCGS) approved this request at its January 8, 2018 meeting.

   a. Under the heading Admission replace the entire entry with the following:

      The science and practice of osteopathic medicine require an understanding of the relationships among the physical, biological, psychological, cultural, and environmental aspects of human behavior. Thus osteopathic education requires preparation in the natural, social, and behavioral sciences and the humanities. Candidates are expected to demonstrate their ability to work and think independently and in a scholarly manner. The mean grade-point average of students who are admitted to the program is 3.5 to 3.6.

      Applicants for admission to the first–year class in the college must meet the following minimum requirements:

      1. Completion of at least 90 semester credits within a college or university accredited by a regional accrediting commission of higher education.
      2. Completion of eight semester credits of biology with no grade below 2.0, including both course work and laboratory work in general biology or general zoology.
      3. Completion of 16 semester credits of chemistry, including three semester credits of biochemistry, with no grade below 2.0.
      4. Completion of 6 semester credits of English—including both oral and written English, with no grade below 2.0.
      5. The Medical College Admission Test (MCAT) must be taken by the end of September of the year application is being made. Scores may not be more than three years old.
      6. Suggested science course electives include anatomy, physiology, microbiology, histology, and statistics at the upper level.
      7. Suggested medical humanities and ethics electives include course work in philosophy, history of medicine and medical ethics.

      An application must be completed and all official transcripts submitted to the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS); it is highly recommended that the application be submitted no later than June 1 of the application year for students who wish to begin classes the following spring. The Michigan State University College of Osteopathic Medicine forwards to all applicants a secondary application. Early application is essential because the college admits its students on a rolling basis. Michigan State University College of Osteopathic Medicine classes begin in June. Most Admissions Committee reviews are conducted between September and
March. Selection of students for the incoming class and for the waiting list is generally completed by early April.

b. Under the heading **Curriculum** replace the entire entry with the following:

The curriculum leading to the Doctor of Osteopathic Medicine (D.O.) degree includes six semesters of classroom and laboratory courses, one semester of classroom to clinic transitional course, and five semesters of community-based clinical courses. It is designed to meet the following educational objectives:

1. To assist students in the integration of basic science, behavioral science, and clinical science concepts related to the tenets of osteopathic philosophy.
2. To provide the student with comprehensive medical knowledge and skills which will serve as a foundation for a lifetime of learning.
3. To produce osteopathic physicians with the skills necessary to enable them to enter graduate medical education in a primary care, medical or surgery specialty program.

The curriculum is divided into two components: the preclerkship curriculum, presented in the first two years; and the clinical clerkship curriculum, scheduled in the third and fourth years.

**Preclerkship Curriculum**

Course focus in the first two semesters is on introductory basic sciences: anatomy, biochemistry, genetics, pathophysiology, cell biology, microbiology, immunology, and pharmacology. Courses in the following four semesters are focused on the body systems: neuromusculoskeletal, genitourinary, endocrine, reproductive, gastrointestinal, integumentary, pediatrics, hematopoietic, cardiovascular, respiratory and geriatrics with instructional input provided by basic science, behavioral science and clinical faculty.

Clinical skills developed through osteopathic patient care, preceptor and osteopathic manipulative medicine courses are offered in semesters two through six. In addition, the curriculum offers ethics, professionalism and law.

**Clerkship Curriculum**

The clinical clerkship curriculum includes 84 weeks of clinical training in community hospitals, clinics, and private practice offices affiliated with the college from across the State of Michigan.

The third year curriculum consists of 48 weeks, including ambulatory family medicine, ambulatory internal medicine, ambulatory or in-patient pediatrics, in-patient internal medicine, neurology, psychiatry, obstetrics/gynecology, general surgery, and emergency medicine each in 4-week blocks. In addition, anesthesia and radiology each in 2-week blocks.

The fourth year curriculum consists of 36 weeks. Of those 36 weeks, 16 are required to be completed within our Statewide Campus System hospitals. The remaining 20 weeks are required to be completed within either the Statewide Campus System or any institution approved by the College of Osteopathic Medicine with advanced planning and scheduling on the part of the student. Within the 36 weeks, students will be required to complete 8 weeks in a surgical field and 12 weeks in a medicine related field. A list of possible rotations for each field is available from the College of Osteopathic Medicine.

c. Under the heading **Requirements for Graduation** replace the entire entry with the following:

To graduate from Michigan State University with a Doctor of Osteopathic Medicine (D.O.) degree, a student must satisfactorily complete all required courses, pass COMLEX-USA Level 1, Level 2CE and Level 2PE examinations of the National Board of Osteopathic Medical Examiners.

In addition, each student must complete four years of Responsible Conduct of Research (RCR) training and receive the endorsement of the Committee on Student Evaluation.
(COSE) and an affirmative vote from the faculty of the College. The Policy for Promotion, Retention and Graduation is available to each student online upon admission to the College of Osteopathic Medicine.

Effective Summer 2018.

**COLLEGE OF SOCIAL SCIENCE**

1. Delete the curriculum and degree requirements for the **Disciplinary Teaching Minor** in **History**, available for elementary certification, in the Department of History. The University Committee on Undergraduate Studies (UCUE) provided consultative commentary to the Provost after considering this request. The Teacher Education Council (TEC) provided consultative commentary to the Provost after considering this request. The Provost made the determination to discontinue the program after considering the consultative commentary from the University Committee on Undergraduate Studies and the Teacher Education Council.

No new students are to be admitted to the program effective Summer 2017. No students are to be readmitted to the program effective Summer 2017. Effective Spring 2018, coding for the program will be discontinued and the program will no longer be available in the College of Social Science. Students who have not met the requirements for the Disciplinary Teaching Minor in History through the College of Social Science prior to Spring 2018 will have to change their minor.
PART II - NEW COURSES

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

ECE 489 Independent Senior Design
Fall of every year. Spring of every year. Summer of every year. 4(4-0) P: (((ECE 303 and ECE 313 and ECE 320 and ECE 331 and ECE 366 and (ECE 390 or concurrently)) or approval of department) and completion of Tier I writing requirement) or (CSE 410 or approval of department) and (ECE 390 or concurrently or approval of department)
  Individual design project with software and hardware components.
  Request the use of ET-Extension to postpone grading.
  The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
  Effective Fall 2018

DEPARTMENT OF EPIDEMIOLOGY AND BIOSTATISTICS

EPI 860 Advanced Inference for Biostatistics
Fall of every year. 3(3-0) Interdepartmental with Statistics and Probability. P: STT 861 and STT 862 or approval of department RB: Masters in statistics or biostatistics R: Open to doctoral students in the Department of Epidemiology and Biostatistics or approval of department.
  Statistical inference problems with biomedical applications.
  Effective Spring 2018

DEPARTMENT OF FISHERIES AND WILDLIFE

FW 894 Principles and Perspectives in Fisheries and Wildlife
Fall of every year. 2(2-0) R: Open to graduate students in the Department of Fisheries and Wildlife or approval of department.
  Multidisciplinary investigation, management, exploitation and conservation of fisheries and wildlife species, their habitats, and effects on human society.
  Request the use of the Pass-No Grade (P-N) system.
  Effective Spring 2018

FW 895 Practice of Fisheries and Wildlife Outreach and Engagement
Spring of every year. 2(2-0) R: Open to graduate students in the Department of Fisheries and Wildlife or approval of department.
  Participatory approaches used in managing natural resources. Science communication, outreach, and engagement skills.
  Request the use of the Pass-No Grade (P-N) system.
  Effective Spring 2018

DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES

HDFS 960 Applied Multivariate Data Analysis
Fall of every year. 3(3-0) RB: HDFS 881 R: Open to graduate students in the Department of Human Development and Family Studies.
  Application of quantitative techniques to the analysis of multivariate data.
  Effective Fall 2018

HDFS 961 Applied Structural Equation Modeling
Spring of every year. 3(3-0) RB: HDFS 881
  Application of structural equation models to data analysis.
  Effective Spring 2018
PART II – NEW COURSES

COLLEGE OF HUMAN MEDICINE

HM 895  Clinical Medicine Capstone Experience  
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. P: HM 552 and HM 553 and HM 554 and HM 555 and HM 556 R: Open to students in the College of Human Medicine. 
Preparation and presentation of student’s capstone project. 
Effective Fall 2017

DEPARTMENT OF LINGUISTICS AND GERMANIC, SLAVIC, ASIAN AND AFRICAN LANGUAGES

CHS 410  Chinese Short Stories  
Fall of every year. 3(3-0) P: CHS 302  
Literary and language studies through the genre of short stories in the Chinese language. 
Tea in Chinese. 
Effective Fall 2018

SCHOOL OF JOURNALISM

JRN 206  Video Storytelling with Cell Phones  
Fall of every year. Spring of every year. Summer of every year. 3(2-2)  
Fundamentals of video storytelling using cell phone cameras: basics of shooting and editing video; video aesthetics; natural sound: audio and microphones; interviewing; journalism newsgathering and ethics. 
Effective Fall 2018

JRN 265  International Journalism and Media  
Fall of every year. 3(3-0)  
Survey of journalism processes and media systems around the world. Contemporary issues in international journalism. Press theory and effects on press freedom and media independence. Foreign correspondence reporting. 
Effective Fall 2018

JRN 303  On-Air Announcing, Interviewing and Hosting  
Fall of every year. Spring of every year. 3(2-2)  
Hands-on experience to be comfortable in front of a camera and microphone in a live setting doing interviews or presenting information. Effective host and anchor techniques across various digital platforms for all different styles of programming, including news, sports and entertainment. 
Effective Fall 2018

JRN 317  Sports Journalism  
Fall of every year. Spring of every year. 3(2-2) P: JRN 200  
Introduction to the specialized field of sports journalism. Reporting on high school, college, Olympic, and professional major sports. Interaction with sports journalists from various media; writing and producing sports stories in multi-media formats. Ethical decision-making. 
SA: JRN 417 
Effective Fall 2018

JRN 365  International News and Government Dynamics  
Fall of every year. Summer of every year. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
Explores the importance of journalism in the process of building governments in different countries. Compares features of global media and coverage in international contexts. Regions rotate each year: Latin America and the Caribbean; Africa and the Middle East; Asia and Pacific; and Europe. Historical influences and impact of government-media relations and types of media and technology outlets. 
SA: JRN 335 
Effective Fall 2018
PART II – NEW COURSES

JRN 416  Sports Multimedia Content Management
Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: JRN 300 and JRN 317
Packaging, editing, and making ethical decisions in sports newsrooms. Making strong content choices, from SEO to visual to broadcast to print. Editing, content choice, and coverage on ethical/diversity levels.
Effective Fall 2018

JRN 465  International Reporting
Spring of every year. 3(2-2) P: JRN 265 and JRN 300 or approval of school
Writing and reporting significant and innovative stories on international and global affairs.
Understanding varying degrees of press freedom in different cultures, and reporting with a sensitivity to diversity and cultural contexts.
Effective Fall 2018

DEPARTMENT OF PSYCHIATRY

PSC 611  Addiction Psychiatry Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: HM 556 or PSC 608 R: Open to graduate-professional students in the College of Human Medicine or in the College of Osteopathic Medicine.
Knowledge and skills in psychopathology, psychiatric diagnosis, psychiatric therapies and prevention with addiction patients and their families.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018

PSC 612  Geriatric Psychiatry Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: HM 556 or PSC 608 R: Open to graduate-professional students in the College of Human Medicine or in the College of Osteopathic Medicine.
Knowledge and skills in psychopathology, psychiatric diagnosis, psychiatric therapies and prevention of psychiatric illness with geriatric patients and their families.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018

DEPARTMENT OF PSYCHOLOGY

PSY 874  Methods and Practice of Community Engagement II
Spring of every year. 3(2-2) P: PSY 873 R: Open to master’s students or doctoral students in the Department of Psychology or approval of department.
Issues in executing and completing community engaged research projects. Community engagement issues including ethics, communication, and project closure.
Effective Spring 2018

PSY 956  Child and Adolescent Assessment and Treatment
Fall of every year. 3(3-0) P: PSY 852 and PSY 853 and PSY 954 R: Open to master’s students or doctoral students in the Department of Psychology or approval of department.
Effectiveness of assessment and treatment of child and adolescent psychopathology as well as psychotherapeutic clinical decision-making. Evidenced-based models of assessment and treatment strategies.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Fall 2018
PART III – COURSE CHANGES

DEPARTMENT OF ACCOUNTING AND INFORMATION SYSTEMS

ACC 300  Intermediate Financial Accounting I
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: ACC 201 and ACC 202 R: Open to juniors or seniors in the Department of Accounting and Information Systems or in the Department of Finance or approval of department. R: Open to juniors or seniors in the Department of Accounting and Information Systems or in the Department of Finance or in the Business - Admitted major or approval of department. Not open to students with credit in ACC 305.
U.S. and international concepts and procedures for preparing financial statements. Revenue recognition. Accounting for receivables, inventory, plant assets, intangibles and current liabilities. Applied research methods. Effective Spring 2013 Effective Fall 2018

ACC 301  Intermediate Financial Accounting II
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: (ACC 300) and completion of Tier I writing requirement P: (ACC 300 or ACC 305) and completion of Tier I writing requirement U.S. and international concepts and procedures in accounting for various financial statement elements. Accounting for investments, bonds, leases, pensions, taxes, owners' equity, earnings per share and comprehensive income. Effective Spring 2013 Effective Fall 2018

ACC 305  Intermediate Accounting for Finance Majors
Fall of every year. Spring of every year. 3(3-0) P: ACC 201 and ACC 202 R: Open to juniors or seniors in the Finance Major or in the Human Resource Management Major or in the Marketing Major or in the Supply Chain Management Major. R: Open to juniors or seniors in the Finance Major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Supply Chain Management Major or in the Business - Admitted major. Not open to students with credit in ACC 300.
Major measurement, valuation, and reporting concepts and procedures underlying the assets, liabilities, owners' equity, revenues, and expenses contained in financial statements. Analysis, interpretation, and use of financial statements. Effective Spring 2013 Effective Fall 2018

ACC 308  Governmental and Not-for-Profit Accounting
Fall of every year. Spring of every year. 1(1-0) P: ACC 300 P: ACC 300 or ACC 305 Financial reporting, budgeting and auditing issues in not-for-profit entities. Government-wide and fund financial statements for state and local governments, generally accepted accounting principles for not-for-profit entities, generally accepted government auditing standards, and budgeting. Effective Spring 2013 Effective Fall 2018

ACC 331  Federal Income Tax Accounting
Fall of every year. Summer of every year. 3(3-0) P: (ACC 300) and completion of Tier I writing requirement P: (ACC 300 or ACC 305) and completion of Tier I writing requirement Federal income taxation of businesses and individuals. Gross income, deductions, and tax computations for corporations and individuals. SA: ACC 431 Effective Spring 2013 Effective Fall 2018

ACC 341  Accounting for Management Decision Making
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: ACC 300 and STT 315 and MKT 317 P: (ACC 300 or ACC 305) and (STT 200 or STT 201 or STT 315) Identification of relevant accounting information for management decision making, planning and control. Evaluation of cost accounting system design choices for decision usefulness and effectiveness of performance measurement. Effective Fall 2017 Effective Fall 2018
ACC 411  Auditing
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: ACC 300 and ACC 321 and STT 315 P: (ACC 300 or ACC 305) and ACC 321 and (STT 200 or STT 201 or STT 315) R: Open to seniors or master's students in the Accounting major. R: Open to seniors in the Finance Major or in the Accounting major and open to master's students in the Accounting Major.

The audit process and the role of financial statement audits in organizations and financial markets. Development of the attitude, knowledge, and skills required to meet ethical and auditing standards. Plan and perform audits. Communicate audit results.

**Effective Spring 2013 Effective Fall 2018**

**DEPARTMENT OF AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS**

ABM 130  Farm Management I
Fall of every year. 3(3-0) RB: ABM 100 and ABM 203
General farm management including record keeping, income tax management, farm finance, and operational management of agricultural resources.
SA: AEC 050

**Effective Fall 2014 Effective Fall 2018**

ABM 203  Data Analysis for the Agri-Food System
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Environmental Economics and Policy and Food Industry Management, Interdepartmental with Environmental Economics and Management and Food Industry Management P: (ABM 100 and (EC 201 or concurrently)) and ((STT 200 or concurrently) or (STT 201 or concurrently) or (STT 315 or concurrently)) P: (ABM 100) and (EC 201 or concurrently) R: STT 200 or STT 201 or STT 315 R: Open to undergraduate students in the Agribusiness Management Minor or in the Agribusiness Management Major or in the Environmental Economics Minor or in the Environmental Economics and Management Major or in the Food Industry Management Minor or in the Food Industry Management Major. R: Open to undergraduate students in the Agribusiness Management Major or in the Agribusiness Management Minor or in the Environmental Economics Minor or in the Environmental Economics and Management Major or in the Food Industry Management Minor or in the Food Industry Management Minor.

Introduction to data analysis tools used in the management of food systems.

**Effective Fall 2014 Effective Fall 2018**

ABM 222  Agribusiness and Food Industry Sales (W)
Agribusiness and Food Industry Sales
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Food Industry Management. P: (ABM 100 or ABM 130 or EC 201 or EC 202) and completion of Tier I writing requirement P: ABM 100 or EC 201 or EC 202 R: Open to sophomores or juniors or seniors.

Selling processes and activities within agribusiness and food firms. Principles and techniques of sales. Operation of sales organizations.
SA: FSM 320

**Effective Fall 2014 Effective Fall 2018**

ABM 303  Economics of Decision Making in the Agri-Food System
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Environmental Economics and Policy and Food Industry Management, Interdepartmental with Environmental Economics and Management and Food Industry Management P: MTH 124 and EC 201 and EC 202 and ABM 203 P: (MTH 124 and EC 201 and EC 202 and ABM 203) and (STT 200 or STT 201 or STT 315)
Managerial economics with applications focusing on agriculture, food, and resources issues.

**Effective Fall 2015 Effective Fall 2018**

ABM 400  Public Policy Issues in the Agri-Food System
Spring of every year. 3(3-0) Interdepartmental with Food Industry Management. P: ABM 100 or EC 201 or EC 202 P: EC 201 and EC 202 RB: ABM 303 and ABM 303 RB: (ABM 303) or (ABM 203 and EC 301) R: Open to juniors or seniors.

Objectives, alternatives and consequences of public policy in the agri-food system. Analysis of economic implications for food and agribusiness firms, farmers, consumers and society.
SA: FSM 421

**Effective Fall 2014 Effective Fall 2018**
ABM 422  Vertical Coordination in the Agri-Food System
Fall of every year. 3(3-0) Interdepartmental with Food Industry Management. P: ABM 100 and EC 201 P: ABM 100 and ABM 203 and EC 201 RB: (ABM 303) or (ABM 203 and EC 301) RB: (ABM 303) or EC 301 R: Open to juniors or seniors.
SA: FSM 443
Effective Fall 2015 Effective Fall 2018

ABM 427  Global Agri-Food Industries and Markets
Fall of every year. 3(3-0) Interdepartmental with Food Industry Management. P: (FIM 220 or ABM 225) and (EC 201 and EC 202) P: (FIM 220 or ABM 225) and (EC 201 and EC 202) and ABM 203 RB: (ABM 303) or (ABM 203 and EC 301) RB: (ABM 303) or EC 301 R: Open to juniors or seniors.
Strategic understanding of the international agri-food system. Analysis of global production, marketing, and consumption. Knowledge of changing conditions in international industries and markets. Global trends and opportunities.
Effective Fall 2015 Effective Fall 2018

ABM 430  Farm Management II
Fall of every year. 3(4-0) P: ABM 130 and EC 201 P: (ABM 130 and EC 201) and ABM 203 RB: (ABM 303) or (ABM 203 and EC 301) RB: (ABM 303) or EC 301 R: Open to juniors or seniors.
Advanced management, planning, and control of farm production, marketing, financial activities, economic principles, budgeting and financial statements.
SA: FSM 330
Effective Fall 2015 Effective Fall 2018

ABM 435  Financial Management in the Agri-Food System
Spring of every year. 3(3-0) P: ABM 130 or ACC 201 or ACC 230 P: (ABM 130 or ACC 201 or ACC 230) and (ABM 303 or EC 301 or approval of department) RB: (ABM 303) or (ABM 203 and EC 301) R: Open to juniors or seniors.
SA: FSM 412
Effective Fall 2015 Effective Fall 2018

AFRE 805  Microeconomic Analysis
Fall of every year. Spring of every year. 3(3-0) RB: AFRE 801 or concurrently R: Open to graduate students.
Microeconomic theory with calculus. Production, costs, demand, markets, general equilibrium, and welfare theory.
SA: EC 805, AEC 805 SA: AEC 805, EC 805
Effective Summer 2015 Effective Spring 2018

EEP 255  Ecological Economics
Fall of every year. Spring of every year. 3(3-0) P: EC 201 or concurrently RB: EC 201 RB: ABM 203
Relationship between the economy and the natural environment. Economic organization and sustainability. Economic concepts applied to natural resources and agriculture.
SA: PRM 255 SA: PRM 255, EEP 255 Effective Fall 2014 Effective Summer 2018

EEP 260  World Food, Population and Poverty
Fall of every year. 3(3-0) Interdepartmental with Agribusiness Management and Food Industry Management. P: ABM 100 or EC 201 or EEP 255 P: ABM 100 or EC 201 or EMM 255
Description and analysis of world food, population and poverty problems. Interrelationships between developed and developing countries.
SA: EEP 260
Effective Fall 2015 Effective Summer 2018
**EEP 320**
Environmental Economics
Spring of every year. 3(3-0) P: EEP 255 and EC 201, and (ABM 203 or approval of department) RB: (ABM 303) or (ABM 203 and EC 301) RB: (ABM 303) or (EC 301 or concurrently)
Analytical methods for evaluating economic impacts of environmental policies and understanding the economic causes of environmental problems.
SA: EEP 320
Effective Fall 2015 Effective Summer 2018

**EEP 404**
Public Sector Budgeting and Program Evaluation (W)
Public Sector Budgeting and Program Evaluation
Spring of every year. 3(3-0) P: (EC 201 or EEP 255) and EC 202 and Completion of Tier I Writing Requirement P: (EC 201 or EEM 255) and ABM 203 RB: (ABM 303) or (ABM 203 and EC 301) R: Not open to freshmen or sophomores.
SA: PRM 404 SA: PRM 404, EEP 404
Effective Fall 2015 Effective Summer 2018

**EEP 460**
Natural Resource Economics
Spring of every year. 3(3-0) P: EC 201 and EEP 255 and (EEP 320 or concurrently) P: (EC 201 and EEM 255) and ABM 203 RB: (ABM 303) or (ABM 203 and EC 301) RB: (ABM 303 or (EC 301 or concurrently)) and (EEP 320 or concurrently) R: Open to juniors or seniors.
Economic framework for analyzing natural resource management decisions. Spatial and inter-temporal allocation of renewable and nonrenewable resources. Special emphasis on institutions, externalities, and public interests in resource management.
SA: EEP 460
Effective Fall 2014 Effective Summer 2018

**EEP 490**
Independent and Supervised Study
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 7 credits in all enrollments for this course. P: EEP 255 P: ABM 100 R: Open to undergraduate students in the Environmental Economics and Policy Major. Approval of department; application required. R: Open to undergraduate students in the Environmental Economics and Management major. Approval of department; application required.
In-depth independent study of topics affecting public resource management. Complementary with previous coursework, adapted to career aspirations.
SA: PRM 490 SA: EEP 490, PRM 490
Effective Fall 2014 Effective Summer 2018

**EEP 493**
Professional Internship in Environmental Economics and Policy
Professional Internship in Environmental Economics and Management
Fall of every year. Spring of every year. Summer of every year. 3 to 4 credits, 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: ABM 100 P: EEP 255 R: Open to juniors or seniors in the Environmental Economics and Policy major. Approval of department; application required. R: Open to juniors or seniors in the Environmental Economics and Management major. Approval of department; application required. A student may earn a maximum of 6 credits in all enrollments for any or all of these courses: ABM 493, AEF 493, ANR 493, ANS 493, CMP 493, CSS 493, CSUS 493, EEM 493, FIM 493, FOR 493, FSC 493, FW 493, HRT 493, PDC 493, PKS 493, and PLP 493.
Supervised professional experience in agencies, organizations, or businesses related to environmental economics and policy.
Request the use of ET-Extension to postpone grading. The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
SA: PRM 493 SA: EEP 493, PRM 493
Effective Fall 2014 Effective Summer 2018
FIM 335  Food Marketing Management  
Fall of every year. Spring of every year. 3(3-0) P: (FIM 220 or MKT 300 or MKT 327) and (EC 201 and SCM 303) P: (FIM 220) and (MKT 327 or MKT 300) and ABM 203 RB: ABM 203  
Management decision-making in food industry organizations (processors, wholesalers, retailers). Marketing and sales in response to customer and consumer needs. Distribution and merchandising systems in domestic and international contexts. 
Effective Fall 2015 Effective Fall 2018  

FIM 460  Retail Information Systems  
Fall of every year. Spring of every year. 3(3-0) P: (FIM 220 and MKT 327 and SCM 303 P: (FIM 220) and (MKT 327 or MKT 300) and ABM 203 RB: (ABM 303) or (ABM 203 and EC 301)) and (FIM 335 or concurrently) RB: (ABM 303 or EC 301) and (FIM 335 or concurrently) R: Open to juniors or seniors. 
Information needed to make effective retail decisions. Use of technology in collecting, analyzing, and interpreting retail systems data and in writing and presenting reports. SA: HED 460, RET 460  
Effective Fall 2015 Effective Fall 2018  

DEPARTMENT OF ANIMAL SCIENCE  

ANS 492  Undergraduate Research in Animal Science  
Fall of every year. Spring of every year. Summer of every year. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course. P: (BS 161 or LB 145 or BS 181H) and (CEM 143 or CEM 251) and (ANS 313 or ANS 314 or ANS 315) R: Not open to freshmen or sophomores. Approval of department; application required.  
Faculty supervised research in selected areas of animal science.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Spring 2014 Effective Spring 2018  

COLLEGE OF ARTS AND LETTERS  

GSAH 200  Questions, Issues, and Debates in Global Studies  
Fall of every year. 1 to 3 credits. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. A student may earn a maximum of 8 credits in all enrollments for this course.  
Global Studies issues and debates, addressed through creative, critical, and analytical approaches to understanding values, practices, interactions, and identities throughout history and in the present.  
Effective Fall 2015 Effective Summer 2018  

DEPARTMENT OF BIOSYSTEMS AND AGRICULTURAL ENGINEERING  

AE 102  Electrical Lighting for Residential and Agricultural Facilities  
Fall of every year. Spring of every year. Summer of every year. 2(2-0) R: Not open to students in the Electrical Technology Major. Not open to students with credit in AE 085.  
Introduction to electrical lighting sources, efficacies, productivity enhancement, and basic lighting design practices for residential and agricultural facilities.  
Effective Fall 2014 Effective Spring 2018
PART III – COURSE CHANGES

BE 482  Diffuse-Source Pollution Engineering
Engineering Ecological Treatment Systems
Spring of every year. 3(2-2) P: (BE 350 or ENE 483) and (BE 360 or ENE 487) P: (BE 350 or ENE 483 or CHE 312) and (BE 360 or ENE 487 or CHE 431) R: Open to juniors or seniors in the College of Engineering.
Identification, estimation, and control of diffuse source pollution from agricultural and urban sources. Analysis of diffuse source pollutants in biological systems. Engineering design of practices and structures to prevent, mitigate, and treat diffuse source pollution, including low impact development (LID) strategies. Analysis of pollutants in ecological systems. Engineering design of ecological systems to prevent, mitigate, and treat diffuse and point source pollution, including low impact development (LID) strategies and best management practices (BMPs).
Effective Spring 2016 Effective Fall 2018

TSM 121  Fundamentals of Electricity
Fall of every year. 4(3-2) R: Open to students in the Electrical Technology Major.
SA: AE 071
Effective Fall 2014 Effective Spring 2018

TSM 343  Principles of Precision Agriculture
Fall of every year. 3(2-2) Interdepartmental with Crop and Soil Sciences. P: MTH 103 or MTH 114 or MTH 116 or MTH 124 or MTH 132
Effective Fall 2014 Effective Spring 2018

DEPARTMENT OF COMPUTATIONAL MATHEMATICS, SCIENCE, AND ENGINEERING

CMSE 202  Computational Modeling Tools and Techniques
Fall of every year. Spring of every year. 4(4-0) P: CMSE 201 or CSE 231 P: CMSE 201
Continuation of introduction to computational modeling focusing on standard methods and tools used for modeling and data analysis. Topics may include statistical analysis, symbolic math, linear algebra, simulation techniques, data mining.
SA: NSC 205
Effective Fall 2016 Effective Fall 2018

CMSE 491  Selected Topics in Computational Mathematics, Science, and Engineering
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.
Topics selected to supplement and enrich existing courses and lead to the development of new courses.
Effective Fall 2016 Effective Fall 2018

CMSE 890  Selected Topics in Computational Mathematics, Science, and Engineering
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.
Topics selected to supplement and enrich existing courses.
Effective Summer 2017 Effective Spring 2017
DEPARTMENT OF ECONOMICS

EC 811A  Mathematical Applications in Economics
Fall of every year. 2(2-0) R: Open only to doctoral students in the Economics major or the Department of Agricultural Economics or the Business Administration major or approval of department. C: EC 812A concurrently.

DELETE COURSE
Effective Fall 2018

EC 811B  The Structure of Economic Analysis
Spring of every year. 2(2-0) P: EC 811A C: EC 813B concurrently.
Static and dynamic decision models in economics. Concepts of equilibrium, stability, comparative statics, and duality.
SA: EC 811
DELETE COURSE
Effective Fall 2018

EC 812A  Microeconomics I
Microeconomics I and its Mathematical Foundations
Fall of every year. 3(3-0) 4(3-2) R: Open to doctoral students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Department of Agricultural, Food, and Resource Economics or in the Economics major or approval of department. C: EC 811A concurrently.
Effective Spring 2009 Effective Fall 2018

EC 813B  Macroeconomics II
Macroeconomics II and its Mathematical Foundations
Spring of every year. 3(3-0) 4(3-2) P: EC 813A R: Open to doctoral students in the Department of Economics and open to doctoral students in the Department of Agricultural, Food, and Resource Economics or approval of department. C: EC 811B concurrently.
Effective Summer 2002 Effective Fall 2018

DEPARTMENT OF ENGLISH

ENG 408  Socio-Psycholinguistic Approaches to Reading in the Disciplines
Critical Literacies and Communities
Fall of every year. 4(4-0) P: (ENG 302) and completion of Tier I writing requirement. P: (ENG 302) and completion of Tier I writing requirement R: Open to sophomores or juniors or seniors in the Department of English. R: Open to sophomores or juniors or seniors in the Department of English or in the English Secondary Teaching Major.
Reading as a socio-psycholinguistic process and its function across disciplines. Focus on literature for children and young adults, reading theories, and research in literacy development. Literacies as sociocultural processes and their function in classrooms and communities. Focus on critical literacy theories and research, education justice, ethical solidarity with students and communities, and pedagogical applications for educators.
Effective Spring 2014 Effective Fall 2018
DEPARTMENT OF EPIDEMIOLOGY AND BIOSTATISTICS

EPI 835  Neuroepidemiology
Fall of odd years. Spring of odd years. 3(3-0) Interdepartmental with Neurology and Ophthalmology. P: EPI 810 or approval of department R: Open to graduate students in the Department of Epidemiology and Biostatistics or approval of department.
Epidemiology of neurologic and neuropsychiatric disorders with emphases on neurodegenerative disorders (e.g., Alzheimer’s disease).
Effective Spring 2015 Effective Spring 2018

EPI 977  Social Epidemiology
Fall of even years. Spring of even years. 3(3-0) Interdepartmental with Sociology. P: EPI 810 or approval of department RB: (LCS 829 or EPI 812) or equivalent R: Open to graduate students in the Department of Epidemiology and Biostatistics or approval of department.
Introduction to the field of social epidemiology and the social determinants of health. Contemporary theoretical and methodological issues in social epidemiology.
Effective Fall 2015 Effective Spring 2018

DEPARTMENT OF FINANCE

FI 321  Theory of Investments
Fall of every year. Spring of every year. 3(3-0) P: FI 311 R: Open to students in the Actuarial Science Specialization or in the Actuarial Science major or in the Economics major. R: Open to juniors or seniors in the Actuarial Science Major or in the Actuarial Science Minor or in the Economics Major. Not open to students with credit in FI 312.
Theoretical analysis of common stocks, bonds, options and futures. Tradeoff between risk and return, market efficiency, efficient portfolios and CAPM. Cash flow evaluation and option evaluation.
Effective Fall 2013 Effective Spring 2018

GBL 323  Introduction to Business Law
Fall of every year. Spring of every year. 3(3-0) R: Not open to students in the Accounting major or in the Business - Admitted major or in the Hospitality Business Major or in the Management Major or in the Marketing Major or in the Supply Chain Management Major. R: Open to juniors or seniors in the Accounting major or in the Business - Admitted major or in the Business - Preference major or in the Hospitality Business Major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Supply Chain Management Major or in the Finance Major. Not open to students with credit in GBL 385.
Introduction to the legal system. Basic concepts of constitutional law, torts, contracts, and product liability. Administrative law and government regulations.
Effective Spring 2017 Effective Summer 2018

GBL 385  Business Law and Ethical Leadership
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and not open to students in the School of Hospitality Business and open to students in the Applied Engineering Sciences Major. R: Open to juniors or seniors in the Accounting major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Supply Chain Management Major or in the Finance Major or in the Applied Engineering Sciences Major. Not open to students with credit in GBL 323.
Court systems, jurisdiction, constitutional law, and product liability. Administrative law and government regulation. Ethical leadership, corporate social responsibility, and sustainability
SA: GBL 295, GBL 395
Effective Fall 2018 Effective Spring 2018
GBL 451  Law of Commercial Transactions  
Fall of every year. Spring of every year. 1(1-0)  P: (GBL 295 or concurrently) or (GBL 295H or concurrently)  P: GBL 385 or concurrently  R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management.  
Law of contracts and sales, commercial paper, secured transactions, consumer credit, and debtor-creditor relationships.  
Effective Spring 2015  Effective Fall 2018

GBL 467  Emerging Enterprise Law  
Fall of every year. 3(3-0)  P: GBL 295 or GBL 295H  P: GBL 385 or GBL 323  R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and not open to students in the School of Hospitality Business.  R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and open to students in the Entrepreneurship and Innovation Minor.  C: MGT 352 concurrently or MKT 355 concurrently.  
In-depth analysis of the law for new ventures. Laws one must follow before, during, and after creation of a company.  
Effective Fall 2014  Effective Fall 2018

GBL 480  Environmental Law and Sustainability for Business: From Local to Global  
Fall of every year. 3(3-0)  R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Environmental and Sustainability Studies Minor or in the Applied Engineering Sciences Major.  R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Environmental and Sustainability Studies Minor or in the Applied Engineering Sciences Major.  
Environmental law and sustainability for business from comparative as well as local, national, and international perspectives. Request the use of ET-Extension to postpone grading. The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Fall 2014  Effective Spring 2018

GBL 490  Independent Study  
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: GBL 385  R: Open to graduate students.  
Program of observation and work in selected business firms and government. Supervised independent research on selected legal topics.  
Effective Fall 2018  Effective Spring 2018

GBL 890  Independent Study  
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: GBL 848  R: Open only to graduate students in the Eli Broad College of Business. Approval of department.  R: Open to graduate students in the Eli Broad College of Business and The Eli Broad Graduate School of Management. Approval of department.  
Faculty-supervised independent study.  
Effective Fall 1995  Effective Spring 2018

DEPARTMENT OF FISHERIES AND WILDLIFE

FW 207  Great Lakes: Biology and Management  
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Community Sustainability.  
Living aquatic resources of the Great Lakes, environmental history, and biological resources and their management. Policy issues.  
Effective Fall 2014  Effective Spring 2018
PART III – COURSE CHANGES

FW 211  
**Introduction to Gender and Environmental Issues**
Spring of every year. 3(3-0) Interdepartmental with Criminal Justice and Community Sustainability and Environmental Economics and Policy and Forestry and Women's Studies.

**DELETE COURSE**
Effective Spring 2018

FW 238  
**Introductory Fisheries and Wildlife Field Experience**
*Summer of every year. Summer of odd years.* 3(1-4) RB: Introductory Biology, Botany, Zoology, Forestry, Natural Resources, Plant Biology, Fisheries and Wildlife course R: Approval of department; application required.
- Terrestrial and aquatic field research techniques and their application to current issues.
- Interaction with professionals. Field trips required.

**Effective Fall 2014 Effective Spring 2018**

FW 810  
**Human Dimensions Research in Fisheries and Wildlife**
*Spring of even years. Spring of odd years.* 3(3-0)
- Quantitative and qualitative methods of involving the public in fish and wildlife management. Human dimensions research and current case studies.

**Effective Spring 2010 Effective Fall 2018**

FW 840  
**Landscape Ecology**
*Fall of even years. Spring of odd years.* 3(2-2) RB: Knowledge or course work in the natural sciences, particularly ecological concepts, as well as exposure to GIS and data analysis.
- Ecological patterns and processes. Spatial variation in landscapes at multiple scales as affected by natural causes and human activity. Landscape ecology in natural resource decision-making and management.

**Effective Spring 2010 Effective Fall 2018**

---

**DEPARTMENT OF FOOD SCIENCE AND HUMAN NUTRITION**

FSC 222  
**Professional Development and Career Planning in Food Science**
Fall of every year. 1(1-0) P: FSC 211 or concurrently RB: Introductory course in food science R: Open to students in the Food Science Major.
- Career opportunities in food science; training in oral, written, and visual communication skills for professional development. Offered second half of semester. Career opportunities in food science; training in oral, written, and visual communication skills for professional development.

**Effective Fall 2014 Effective Fall 2018**

FSC 325  
**Food Processing: Unit Operations**
Spring of every year. 3(3-0) P: FSC 211 or ANS 201
- Principles, technologies, and applications in conversion of raw products into high quality foods. Unit operations: thermal processing, irradiation, freezing, membrane fractionation, enzyme technologies, dehydration, and refrigeration. Field trip required. Principles, technologies, and applications in conversion of raw products into high quality foods. Unit operations: thermal processing, irradiation, freezing, membrane fractionation, enzyme technologies, dehydration, and refrigeration.
- SA: FSC 229, FSC 339

**Effective Fall 2014 Effective Fall 2018**

FSC 421  
**Food Laws and Regulations**
*Spring of every year. Spring of odd years. Summer of even years. Summer of even years.* 3(3-0) P: HNF 150 or FSC 211 or ABM 100
- Adoption, interpretation, and enforcement of laws and regulations governing food processing and foodservice systems. Impact of regulation on food production, availability, marketing, and safety.

**Effective Fall 2016 Effective Fall 2018**

---
FSC 422  Advanced Professional Seminar in Food Science  
Fall of every year. Spring of every year. 1(1-0) P: FSC 222 RB: Advanced course work in food science  
R: Open to students in the Food Science Major.  
Preparation for success in food science careers, marketing tools, business communication skills, and contemporary topics in food science. Offered first half of semester.  
Preparation for success in food science careers, marketing tools, business communication skills, and contemporary topics in food science.  
Effective Fall 2014 Effective Fall 2018

FSC 892  Food Science and Animal Science Seminar  
Fall of every year. Spring of every year. 1(1-0) Interdepartmental with Animal Science  
A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to graduate students in the Department of Animal Science or in the Department of Food Science and Human Nutrition. R: Open to graduate students in the Department of Food Science and Human Nutrition.  
Effective Fall 2009 Effective Fall 2018

DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES

HDFS 865  Capstone in Youth Development  
Capstone GPIDEA  
Fall of every year. Spring of every year. 1 to 5 credits. R: Approval of department.  
Independent research for faculty and peer feedback on research projects.  
Effective Spring 2016 Effective Summer 2018

COLLEGE OF HUMAN MEDICINE

HM 609  Laboratory Medicine Clerkship  
Fall of every year. Spring of every year. Summer of every year. 1 to 8 credits, 3 to 6 credits  
Interdepartmental with Osteopathic Medicine. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to graduate-professional students in College of Human Medicine or Osteopathic Medicine. R: Open to graduate-professional students in the College of Human Medicine or in the College of Osteopathic Medicine.  
Laboratory procedures. Correlation of laboratory data with morphologic abnormalities in patients with pathophysiology.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
SA: PTH 609  
Effective Summer 2004 Effective Summer 2018
HM 610  Pathology Clerkship
Fall of every year. Spring of every year. Summer of every year. 1 to 8 credits. 3 to 6 credits.
Interdepartmental with Osteopathic Medicine. A student may earn a maximum of 12 credits in all
enrollments for this course. A student may earn a maximum of 24 credits in all enrollments for this
course. R: Open only to graduate-professional students in College of Human Medicine or
Osteopathic Medicine. R: Open to graduate-professional students in the College of Human
Medicine or in the College of Osteopathic Medicine.
Anatomic and clinical pathology with emphasis on clinical-pathological correlation.
Conducted in pathology departments of affiliated hospitals.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 4
semesters after the end of the semester of enrollment. The work for the course must be
completed and the final grade reported within 2 semesters after the end of the semester of
enrollment.
SA: PTH 608
Effective Summer 2004 Effective Summer 2018

DEPARTMENT OF INTEGRATIVE BIOLOGY

IBIO 851  Statistical Methods for Ecology and Evolution
Fall of every year. 3(2-2) Interdepartmental with Plant Biology. RB: (STT 814) or or an equivalent
course.
Statistical modeling and interpretation of biological data using computationally intensive
methods for estimation and inference. General linear models, mixed and process models,
and estimation strategies applied to students using their own data using the R language.
SA: ZOL 851
DELETE COURSE
Effective Spring 2018

SCHOOL OF JOURNALISM

JRN 200  Writing and Reporting News I
Writing and Reporting News
Fall of every year. Spring of every year. Summer of every year. 3(1-4) P: Completion of Tier I
Writing Requirement R: Approval of school.
Basic reporting and writing skills. Storytelling with news judgment, information gathering,
readability. News styles and structure in alternative delivery methods. Independent
sources and interviewing techniques in a lab setting. Writing news across platforms. AP
style. Basic reporting and writing skills. Storytelling with news judgment, information
gathering, readability and ethics. News styles and structure in alternative delivery
methods. Independent sources and interviewing techniques in a lab setting. Writing news
across platforms. AP style.
Effective Fall 2015 Effective Fall 2018

JRN 300  Writing and Reporting News II (W)
Multimedia Writing and Reporting (W)
Fall of every year. Spring of every year. Summer of every year. 3(1-4) P: (((CAS 110 or
concurrently) and (CAS 111 or concurrently) and (CAS 112 or concurrently)) or (JRN 203 or
concurrently)) and JRN 200 P: (JRN 200 and (JRN 203 or concurrently)) and completion of Tier I
writing requirement
Development of story ideas and cover communities, using a wide variety of digital story-
telling tools that range from traditional to innovative journalism techniques for various
media. Use of tweets, blogs and other social media, as well as text, photos, audio and
video podcasts, information graphics and other multimedia to cover news. Powerful writing
combined with visual communication and social media for multimedia reporting.
Developing story ideas and interview techniques for covering public affairs and
communities. Stories are published online.
Effective Fall 2015 Effective Fall 2018
PART III – COURSE CHANGES

JRN 405  Editing for Print and Digital
Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: JRN 200

Editing for accuracy, brevity and maximum impact to improve one's own writing and that of others for today's media. Editing for accuracy, brevity and maximum impact to improve one's own writing and that of others for today's media and publication.

SA: JRN 305-SA: JRN 405

Effective Summer 2016 Effective Fall 2018

JRN 305  Editing for Print and Digital
Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: JRN 200

Editing for accuracy, brevity and maximum impact to improve one's own writing and that of others for today's media. Editing for accuracy, brevity and maximum impact to improve one's own writing and that of others for today's media and publication.

SA: JRN 305-SA: JRN 405

Effective Summer 2016 Effective Fall 2018

JRN 306  Introduction to Radio and TV News
Introduction to Radio, Podcasting and TV News
Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: JRN 300 or concurrently P: JRN 300 or concurrently or approval of department RB: Basic knowledge of video and audio equipment recommended. RB: Basic knowledge of video shooting and editing recommended

Introduction to shooting, recording and editing for audio and video storytelling for radio, TV and digital media. History of broadcasting, radio and television journalism. Fundamentals of audio and video writing style and scripting, presentation and delivery, reporting and research skills, use of multi-media platforms. Fundamentals of audio storytelling.

Introduction to broadcast style writing; scripting for radio news and podcasting; voice tone and cadence. Exposure to professional cameras for video stories.

Effective Fall 2015 Effective Fall 2016

JRN 310  Photojournalism
Fall of every year. Spring of every year. 3(2-2) P: JRN 203 or CAS 111 or approval of school P: JRN 203 or JRN 483 or approval of school R: Open to students in the School of Journalism.

Storytelling using digital photography by learning the principles of content, framing, and motion, camera operation and software editing. Photography storytelling by learning the principles and ethics of successful visual communication, camera operation and software editing.

Effective Fall 2015 Effective Fall 2018

JRN 425  Journalism History
Fall of every year. 3(3-0)
The development of journalism in the United States from colonial to the present; examination of evolving written, aural, visual and multimedia forms and relevant media technology. Journalism's history has impacted and influenced U.S. history in interesting ways. Development of journalism in the United States from colonial to the present; examination of evolving written, aural, visual and multimedia forms and relevant media technology. Journalism's history has impacted and influenced U.S. history in interesting ways.

SA: JRN 325-SA: JRN 425

Effective Fall 2015 Effective Fall 2018

JRN 325  Journalism History
Fall of every year. 3(3-0)
The development of journalism in the United States from colonial to the present; examination of evolving written, aural, visual and multimedia forms and relevant media technology. Journalism's history has impacted and influenced U.S. history in interesting ways. Development of journalism in the United States from colonial to the present; examination of evolving written, aural, visual and multimedia forms and relevant media technology. Journalism's history has impacted and influenced U.S. history in interesting ways.

SA: JRN 325-SA: JRN 425

Effective Fall 2015 Effective Fall 2018

JRN 336  Designing for Print and Digital Media
Designing for Media
Fall of every year. Spring of every year. 3(2-2) P: JRN 203 or CAS 111 or approval of school P: JRN 203 or approval of school

Theory and practice in typography, visual editing, alternative story forms, hierarchy and use of color in digital and print publications. Creating and composing visual communication design for digital and print publications. Theory and practice in typography, visual editing, alternative story forms, hierarchy and use of color.

Effective Summer 2016 Effective Fall 2018

JRN 338  Visualizing Data with Information Graphics
Information Graphics
Fall of every year. Spring of every year. 3(2-2) P: CAS 111 or JRN 203 or approval of school P: JRN 203 or approval of school

Information graphics, or infographics, are graphic visual representations of information used to make information clearer and more understandable, accessible and engaging. Theory, application and production of print, animated and interactive information graphics using visual tools, like maps, charts, diagrams and illustrations.

Effective Summer 2016 Effective Fall 2018
PART III – COURSE CHANGES

JRN 445
Images and Messages
Spring of every year. 3(3-0)
Analytical, historical, and critical study of visual communication. Role and effects of imagery in news and documentary presentations. Ethics of visual messages. Impact of technology on visual journalism. Aesthetics of imagery and cultural belief systems associated with the medium of photography. Visual communication through analytical, historical, and critical views. Role and effects of imagery in storytelling, news, and documentary presentations. Ethics of visual messages. Impact of technology on visual journalism. Aesthetics of imagery and cultural belief systems associated with the medium of photography.
SA: JRN 445-SA: JRN 445
Effective Fall 2015 Effective Fall 2018

JRN 473
Environmental Journalism Seminar
Environment, Science and Health Journalism Special Topics
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: A student may earn a maximum of 12 credits JRN 372 and JRN 472.
Topics may include storytelling and news coverage of health, science and environmental events and issues. Analyze and understand the context of environment, science and health events and issues for news coverage.
SA: JRN 473
Effective Summer 2016 Effective Fall 2018

JRN 400
Spartan Digital Newsroom
Fall of every year. Spring of every year. Summer of every year. 3(1-4) A student may earn a maximum of 6 credits in all enrollments for this course. P: JRN 300 R: Open to seniors or master's students in the School of Journalism.
Storytelling: writing, reporting, designing, producing and visually communicating news and information through special projects. Students work as newsroom teams. In-depth stories are published on multiple platforms, including mobile devices and websites.
DELETE COURSE
Effective Fall 2018

JRN 402
Public Relations Topics in Journalism
Fall of every year. Spring of every year. 1(1-0) R: Open to students in the Journalism Major or in the Public Relations Minor. R: Open to students in the Journalism Major or in the Public Relations Minor. A student may earn a maximum of 6 credits in any or all enrollments in ADV 402, COM 402, JRN 402.
Current topics related to the practice of public relations. Current and rotating topics related to the practice of public relations.
Effective Fall 2015 Effective Fall 2018

JRN 403
TV News
Fall of every year. Spring of every year. 3(2-2) R: JRN 306 and CAS 201 and CAS 202 P: JRN 306 or approval of department R: Open to students in the School of Journalism.
Effective Fall 2015 Effective Fall 2018
JRN 406  Advanced TV News
Advanced TV News Storytelling and Producing
Fall of every year. Spring of every year. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. P: JRN 403  P: JRN 403 or approval of department
Students host and produce thirty-minute newscasts for TV and online. Advanced video storytelling with reporting, writing, editing, announcing and producing TV and digital news with emphasis on organizing and producing stories in the field and studio. Use of multi-media platforms. Announcing, reporting, and producing newscasts for TV and digital platforms, honing skills in video, audio, broadcast writing, TV news storytelling, interviewing and reporting. Advanced producing techniques, social media strategies for journalism and create a professional portfolio for future employers. Effective Fall 2015 Effective Fall 2018

JRN 410  Photojournalism and Documentary Photography
Advanced Photojournalism: Documentary
Spring of every year. 3(2-2)  P: JRN 310  P: JRN 310 or approval of school

JRN 415  Business Reporting and Public Affairs
Fall of every year. 3(3-0) P: JRN 300
An in-depth examination of important stories in business as they relate to government, public affairs and the economy. Understanding that many everyday stories are business-related and how they can affect individuals and society. SA: JRN 440 DELETE COURSE Effective Summer 2018

JRN 418  Advanced Sports Reporting
Fall of every year. Spring of every year. 3(2-2)  P: JRN 300 and JRN 417  P: JRN 416
Advanced instruction in specialized field of sports journalism; editing and producing stories on high school, college and professional major sports and Olympic sports. Interaction with sports journalists from various media, including coverage of sporting events; editing and producing sports stories in multi-media formats. Upper-level exploration of issues in sports journalism and directed professional work experiences at outlets such as WKAR's Current Sports (radio/TV/web) and FOX Sports. Effective Fall 2015 Effective Fall 2018

JRN 420  Capital News Service
Fall of every year. Spring of every year. 3(0-6) 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: JRN 300  or approval of school  P: Open to juniors or seniors or graduate students in the School of Journalism.
Supervised professional experience in covering Michigan politics and state government as correspondents for selected media. Student work and bylines appear in professional print and online media, preparing them for the industry. Effective Summer 2016 Effective Fall 2018

JRN 432  Magazine and Feature Writing
Magazine, Feature and Freelance Writing
Spring of every year. 3(2-2)  P: JRN 300
In-depth storytelling for long-form narratives for magazines and other media outlets. Delve into the human interest angle when developing stories to educate and/or entertain. Storytelling for long-form narratives for magazines and other media outlets. Delve into the human interest angle when developing stories to educate and/or entertain. Learn how to pitch stories to get published. Effective Summer 2016 Effective Fall 2018
PART III – COURSE CHANGES

JRN 436  
**Designing for the Web and Mobile Devices**  
Design for Web and Mobile Devices  
Fall of every year. Spring of every year. 3(2-2) P: JRN 336  
Theory and practice in designing online publications. Content gathering including text, digital images and multimedia elements. Emphasis on information, interaction and presentation design. Includes coding, HTML and CSS. Theory and practice in designing online publications. Content gathering including text, digital images and multimedia elements. Emphasis on information, interaction and presentation design. Includes coding such as HTML and CSS.  
Effective Summer 2016 Effective Fall 2018

JRN 438  
**Advanced Information Graphics**  
Fall of every year. Spring of every year. 3(2-2) P: JRN 338 P: JRN 338  or approval of school R: Open to undergraduate students or master’s students.  
Exploration and use of print, animated and interactive storytelling with advanced visualization techniques and technologies for communicating online. Creating visual storytelling with advanced techniques and technologies for communicating information online and across media. Using graphics, animation and other methods to represent data simply to various audiences.  
Effective Summer 2016 Effective Fall 2018

JRN 450  
**Creating and Marketing Media for Journalism**  
Media Innovation and Entrepreneurship  
Spring of every year. 3(3-0) P: JRN 200 and JRN 300 R: Open to juniors or seniors or graduate students in the College of Communication Arts and Sciences.  
Developing and marketing journalism innovations that have the potential for commercial enterprise. Developing and marketing innovations in journalism media that have the potential for commercial enterprise. Building blocks of entrepreneurship to know how to test markets, prototype, and develop audiences.  
Effective Summer 2016 Effective Fall 2018

JRN 472  
**Environmental Reporting**  
Environment, Science and Health Reporting  
Fall of every year. Spring of every year. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: JRN 200  or approval of school R: Approval of school. A student may earn a maximum of 12 credits JRN 472 and JRN 372.  
Topics may include investigative environmental and science reporting, environmental writing and video storytelling with a focus on the Great Lakes region of the U.S. and Canada. Investigative reporting on environment, science and health reporting. Text, video, audio stories published on GreatLakesEcho.org and other venues. Analyzing environment, science and health events and issues for news coverage.  
Effective Summer 2016 Effective Fall 2018

JRN 483  
**Photo Communication in Europe**  
Summer of every year. 6(3-6) R: Approval of school.  
Study abroad. Introduction to contemporary photographers including those working in documentary, photojournalism, advertising and art. Visits to historical collections of photography, museums, galleries, and studios. Structured travel to historical and cultural sites. Practical experience in digital photography including shooting, editing, storytelling and packaging.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Fall 2015 Effective Fall 2018

JRN 491  
**Journalism Skills Topics**  
Fall of every year. Spring of every year. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: JRN 200 R: A student may earn a maximum of 12 credits in JRN 491 and JRN 492.  
How to apply traditional to innovative journalism techniques and skills to various forms (text, audio, visual, multimedia) and media.  
SA: JRN 408  
DELETE COURSE  
Effective Summer 2018
JRN 492  Journalism Seminar  
Journalism Special Topics  
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course.  
Various issues, topics or themes involving journalism. Various issues, skills or themes relating to journalism.  
Effective Summer 2016 Effective Fall 2018

MSU COLLEGE OF LAW

LAW 629C  Journal of Animal and Natural Resources Law  
Fall of every year. Spring of every year. Summer of every year. 0 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: (LAW 530D or LAW 530E or LAW 530N) and LAW 530J  P: (LAW 530D or LAW 530E or LAW 530N or LAW 530Q) and LAW 530J  R: Open to Law students or master's of law students or law lifelong students or law non degree students.  
Preparation of publications in animal law and natural resource law.  
Request the use of the Pass-Fail Grade (P-F) system.  
Effective Summer 2012 Effective Spring 2018

LAW 629D  Journal of Business and Securities Law  
Fall of every year. Spring of every year. Summer of every year. 0 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: (LAW 500J or LAW 500V) and LAW 500K  P: (LAW 530N or LAW 530Q or LAW 530D or LAW 530E) and LAW 530J  R: Open to Law students or master's of law students or law lifelong students or law non degree students.  
Provides a wide scope of topics on legal business issues such as corporate litigation, commercial transactions, employment, e-commerce, securities regulation, and any other topic focusing on the intersection of law and business.  
Request the use of the Pass-Fail Grade (P-F) system.  
Effective Spring 2011 Effective Spring 2018

LAW 630R  Immigration Law Clinic I  
Fall of every year. Spring of every year. Summer of every year. 0 to 6 credits. R: (LAW 500J or LAW 500V or LAW 804) and LAW 500K  P: (LAW 530D or LAW 530E or LAW 530N or LAW 530Q or LAW 804) and LAW 530J  R: Open to Law students or master's of law students or law lifelong students or law non degree students.  
Client representation and systemic advocacy for vulnerable populations that are otherwise unable to obtain legal representation.  
Effective Fall 2010 Effective Summer 2018

LAW 630S  Immigration Law Clinic II  
Fall of every year. Spring of every year. Summer of every year. 0 to 6 credits. R: (LAW 500J or LAW 500V) and (LAW 500K and LAW 630R) P: LAW 630R  R: Open to Law students or master's of law students or law lifelong students or law non degree students.  
Client representation and systemic advocacy for vulnerable populations that are otherwise unable to obtain legal representation.  
Effective Fall 2010 Effective Summer 2018

LAW 630T  Great Lakes First Amendment Law Clinic I  
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. R: (LAW 500J or LAW 500V or LAW 804) and LAW 500K  P: (LAW 530D or LAW 530E or LAW 530N or LAW 530Q or LAW 804) and LAW 530J  R: Open to Law students or master's of law students or law lifelong students or law non degree students.  
Provide free legal advice to parties whose free speech rights have been challenged.  
Effective Spring 2011 Effective Spring 2018
PART III – COURSE CHANGES

LAW 630U  Great Lakes First Amendment Law Clinic II
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. P: (LAW 500J or LAW 500V or LAW 804) and LAW 500K and LAW 630T R: LAW 630T R: Open to Law students or master's of law students or law lifelong students or law non degree students. R: Open to Law students or law advanced students or law lifelong students or law non-degree students. Provide free legal advice to parties whose free speech rights have been challenged. Effective Spring 2011 Effective Spring 2018

LAW 630V  Housing Law Clinic I
Fall of every year. Spring of every year. Summer of every year. 0 to 6 credits. P: (LAW 530D or LAW 530E) and LAW 530J P: (LAW 530D or LAW 530E or LAW 530N or LAW 530Q) and LAW 530J R: Open to Law students or master's of law students or law lifelong students or law non degree students. R: Open to Law students or law advanced students or law lifelong students or law non-degree students. Not open to students with credit in LAW 630A. Housing law issues that include landlord-tenant law, foreclosures, fair housing, affordable housing, homeownership, and homelessness. Effective Spring 2011 Effective Spring 2018

LAW 630W  Housing Law Clinic II
Fall of every year. Spring of every year. Summer of every year. 0 to 6 credits. P: LAW 630A or LAW 630V P: LAW 630V R: Open to Law students or master's of law students or law lifelong students or law non degree students. R: Open to Law students or law advanced students or law lifelong students or law non-degree students. Not open to students with credit in LAW 630B. Continued representation conducted in Housing Clinic I, and more sophisticated client representation in landlord-tenant law, foreclosures, fair housing, affordable housing, homeownership, and homelessness. Effective Spring 2011 Effective Spring 2018

DEPARTMENT OF LINGUISTICS AND GERMANIC, SLAVIC, ASIAN AND AFRICAN LANGUAGES

CHS 291  Special Topics in Chinese
Fall of every year. Summer of every year. On Demand. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: CHS 102 Experiential learning opportunities in China that involve interactions with Chinese. Possible experiences include assisting with English classes, assisting Chinese student organizations on campus, co-organizing forums between American and Chinese on topics relevant to each group, and potentially working with a limited number of companies to utilize students' native speaker capabilities in English as translators or editors. Special topics in Chinese studies. Topic may vary. Course may be taught in either English or Chinese. Effective Fall 2014 Effective Fall 2018

CHS 350  Studies in the Chinese Language
Spring of every year. 3(3-0) P: CHS 301 or concurrently P: CHS 202 Grammatical structures of modern Chinese, grammar review, sound system, word formation, sentence and discourse structures, dialects and sociolinguistic variation, the history of writing system, pragmatics. Grammatical structures of modern Chinese, grammar review, sound system, word formation, sentence and discourse structures, dialects and sociolinguistic variation, the history of writing system, pragmatics. Taught in English and Chinese. Effective Spring 2017 Effective Fall 2018

CHS 360  Cinematic Studies of China, Hong Kong and Taiwan
Chinese Film Studies
Fall of every year. Spring of odd years. 3(3-0) P: CHS 202 Survey of Chinese films focusing on individual expressions with cross-cultural significance. Introduction to the underlying critique in cinematic works intertwined with power politics among other issues of global competitions and cultural interaction. Survey of Chinese films focusing on individual expressions with cross-cultural significance. Development of higher-intermediate and advanced language skills. Taught in English and Chinese. Effective Spring 2015 Effective Fall 2018
CHS 366  Chinese Culture: Tradition and Modernity  (W)
Fall of odd years, Fall of every year, 3(3-0) P: (CHS 202) and completion of Tier I writing requirement R: Not open to freshmen.
Critical concepts necessary to analyze Chinese works in cultural studies. Key issues in cultural studies, including indigenous heritage and modern developments with cross-cultural significance, canonizations of major schools of thought and transformations across the social divide, among others. Taught in English and Chinese. Critical concepts necessary to analyze Chinese works from the past three millennia. Key topics include indigenous heritage and modern developments with cross-cultural significance, canonizations of major schools of thought (Confucianism, Daoism, Buddhism), interactions between elite and popular cultures, among others. Taught in English and Chinese.
Effective Spring 2015 Effective Fall 2018

CHS 411  Advanced Spoken Chinese
Spring of even years, Spring of every year, 3(3-0) P: CHS 302 or approval of department P: CHS 402 or concurrently, or approval of department RB: Study abroad experience in China.
Effective Spring 2015 Effective Fall 2018

CHS 466  Modern Chinese Literature and Films  (W)
Fall of odd years, Spring of every year, 3(3-0) P: (CHS 366 or approval of department) and completion of Tier I writing requirement P: ((CHS 366 and CHS 302) or approval of department) and completion of Tier I writing requirement
Critical concepts and tools for the analytical studies in modern Chinese literature and films on the global stage. Rethinking of received notions through focused examinations of major works via cultural mediums from the late 18th century. Taught in English and Chinese. Critical concepts and tools for the analytical study of modern Chinese literature and films on the global stage. Examine major works since the turn of the 20th century. Taught in English and Chinese.
Effective Spring 2015 Effective Fall 2018

CHS 491  Special Topics in Chinese Studies
Fall of every year, On Demand, 3(0-0) 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. A student may earn a maximum of 9 credits in all enrollments for this course. P: CHS 302 or approval of department
Special topics in Chinese studies. Topics vary.
Effective Spring 2015 Effective Fall 2018

DEPARTMENT OF MARKETING

MKT 313  Personal Selling and Buying Processes
Consultative Selling
Fall of every year. Spring of every year. Summer of every year, 3(3-0) R: Open to juniors or seniors or sophomores in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the College of Communication Arts and Sciences or in the Applied Engineering Sciences major. R: Open to sophomores or juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the College of Communication Arts and Sciences or in the Applied Engineering Sciences Major.
Role of the sales organization and nature of customer and channel relationships. Buying behavior and sales processes. Fundamentals of personal selling. Experiential project that challenges students to assimilate and apply key concepts.
SA: MSC 313
Effective Spring 2013 Effective Fall 2018
MKT 319  Marketing Research
Customer and Market Insights
Fall of every year. Spring of every year. 3(3-0) R: (MKT 300 or MKT 327) and MKT 317 P: (MKT 300 or MKT 327) and (MKT 317 or concurrently) R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management. Research methods designed to obtain information for marketing decisions. Research design, data collection, and interpretation of information to aid in making managerial decisions. SA: MSC 319  
Effective Fall 2015 Effective Fall 2018

MKT 412  Marketing Technology and Analytics
Digital Marketing
Spring of every year. 3(3-0) Interdepartmental with Information Technology Management. R: (MKT 300 or MKT 327) and MKT 317 and ITM 209 P: MKT 300 or MKT 327 R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and open to master's students in the Marketing Research major. R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management. Collection and analysis of information from the web, including web-based surveys, web analytics, online communities, blog scraping, and web spiders. Theoretical foundation of digital marketing. Recent tactics, applications, and trends in the online marketplace. Basics of online marketing communications, search engine marketing, social media marketing, and web analytics. SA: MSC 412  
Effective Spring 2017 Effective Fall 2018

MKT 829  Marketing Technology and Analytics
Digital Marketing
Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. P: MBA 820 or MKT 805 R: Open to graduate students in the Eli Broad College of Business and The Eli Broad Graduate School of Management. Not open to students with credit in MKT 412. The collection and analysis of information from the web using contemporary web-based research techniques. Fundamentals of online marketplace. Analysis of online consumer behavior and corporate digital marketing strategy, including online advertisement, search engine marketing, and social media strategy. Introduction to web analytic tools, online advertising platforms and social media analysis tools.  
Effective Fall 2017 Effective Fall 2018

DEPARTMENT OF MEDIA AND INFORMATION

MI 341  Filmmaking II
Fall of every year. Spring of every year. Summer of every year. 3(2-2) R: (MI 241) or (CAS 112 and CAS 201 and CAS 202) P: MI 241 R: Open to students in the Department of Media and Information or in the Documentary Production Minor or in the Fiction Filmmaking Minor. Film style planning, techniques, and aesthetic principles for cinema and television production. SA: TC 341  
Effective Fall 2016 Effective Fall 2018

COLLEGE OF MUSIC

MUS 850C  Harp
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. Private instruction in harp. DELETE COURSE  
Effective Spring 2018
DEPARTMENT OF PHYSICS AND ASTRONOMY

AST 301  Junior Research Seminar
Fall of every year. Spring of every year. 1(1-0) P: Completion of Tier I writing requirement.
Preparation and presentation of a review paper on a current topic in astronomy or astrophysics.
DELETE COURSE
Effective Spring 2018

AST 308  Galaxies and Cosmology
Fall of odd years. Spring of odd years. 3(3-0) P: AST 208 and ((PHY 215 or concurrently) or PHY 215B) and (PHY 321 or concurrently) P: (AST 208) and ((PHY 215 or concurrently) or PHY 215B) and (PHY 321 or concurrently)
SA: AST 402
Effective Fall 2013 Effective Fall 2018

PHY 431  Optics I
Fall of every year. Spring of every year. 3(2-3) P: {((PHY 184 or PHY 184B or PHY 294H) and PHY 192) or LB 274} and (((MTH 235 or concurrently) or (MTH 340 or concurrently) or (MTH 347H or concurrently)) and completion of Tier I writing requirement)
Lenses, aberrations, apertures, and stops. Diffraction, interferometry, spectroscopy, fiber optics.
Effective Spring 2017 Effective Fall 2018

PHY 831  Statistical Mechanics
Fall of every year. Spring of every year. 3(3-0) Equilibrium statistical mechanics and thermodynamics. Boltzmann transport equations and hydrodynamics. Brownian and Langevin motion.
Effective Fall 1992 Effective Fall 2018

PHY 861  Beam Physics
Fall of every year. Spring of odd years. Spring of every year. Summer of every year. 3(3-0) RB: PHY 820 and PHY 841
Particle accelerator theory and design.
Effective Spring 1995 Effective Summer 2018

PHY 950  Data Analysis Methods for High-Energy and Nuclear Physics
Fall of every year. Fall of even years. 2(2-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of Physics and Astronomy or approval of department.
Tools and methods used for analyzing data in large experiments.
Effective Fall 2014 Effective Fall 2018

PHY 973  Special Topics in Condensed Matter Physics
Fall of every year. Spring of every year. On Demand. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. RB: PHY 971 and PHY 972
Topics vary and may include quantum optics, scattering methods and Green's functions.
Effective Fall 2003 Effective Spring 2018
DEPARTMENT OF PSYCHOLOGY

PSY 873 Community Interventions
Methods and Practice of Community Engagement I
Fall of every year. Spring of every year. 3(2-2) P: (PSY 815 or concurrently) and (PSY 871 or concurrently) R: PSY 815 and PSY 870 and PSY 871. Open only to graduate students in the Department of Psychology. R: Open to master’s students or doctoral students in the Department of Psychology or approval of department.
Entry and operational issues in community interventions and research. Group dynamics, community politics, intervention integrity. Entry and operational issues in community interventions and engaged research. Group dynamics, models of practice, and community engagement issues.
Effective Fall 1995 Effective Spring 2018

DEPARTMENT OF RADIOLOGY

ANTR 211 Human Tissues and Cells for Medical Illustrators
Spring of every year. 3(2-2) P: BS 161 or BS 181H R: Not open to students in the College of Natural Science. Approval of department. R: Approval of department. Not open to students with credit in IBIO 408.
Elementary structure and function of human tissues, cells, and representative biomolecular classes. Virtual histology laboratory.
Effective Summer 2018 Effective Spring 2018