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

MICHIGAN STATE UNIVERSITY
October 10, 2017

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

1. Change the requirements for the Bachelor of Science degree in Agriculture, Food and Natural Resources Education in the Department of Community Sustainability. The Teacher Education Council (TEC) approved this request at its September 11, 2017 meeting.

   a. Under the heading Requirements for the Bachelor of Science Degree in Agriculture, Food and Natural Resources Education make the following changes:

      (1) In item 1., replace paragraph two with the following:

          The University’s Tier II writing requirement for the Agriculture, Food and Natural Resources major is met by completing Community Sustainability 300, 301, and 343. Those courses are referenced in item 3., below.

      (2) In item 3. a., make the following changes:

          (a) Change the total credits from ‘53’ to ‘56’.

          (b) Delete the following course:

               CSUS 322 Leadership for Community Sustainability 3

               Add the following courses:

               CSUS 222A Seminar in Instructional Theory I – Agriculture, Food and Natural Resources Education 1
               CSUS 222B Seminar in Instructional Theory II – Agriculture, Food and Natural Resources Education 1
               CSUS 222C Seminar in Instructional Theory III – Agriculture, Food and Natural Resources Education 1
               CSUS 223A Seminar in Leadership Theory I – Agriculture, Food and Natural Resources Education 1
               CSUS 223B Seminar in Leadership Theory II – Agriculture, Food and Natural Resources Education 1
               CSUS 223C Seminar in Leadership Theory III – Agriculture, Food and Natural Resources Education 1

      (3) Delete item 3. d.

      (4) Reletter items 3. e., f., and g. to items 3. d., e., and f. respectively.

      (5) Replace item 3. f. with the following:
All of the following courses for students not pursuing secondary teacher education certification (15 credits):
CSUS 330 Organizational Management for Community Sustainability 3
Or
CSUS 433 Grant Writing and Fund Development 3
CSUS 493 Professional Internship in Community Sustainability 3
An additional 9 credits of electives approved by the student’s academic advisor.

Effective Spring 2018.

2. Change the requirements for the Bachelor of Science degree in Nutritional Sciences in the Department of Food Science and Human Nutrition.

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

(1) In item 3. a. (1) delete the following courses:

HNF 250 Contemporary Issues in Human Nutrition 2
HNF 450 Nutrition in the Prevention and Treatment of Disease 4

Add the following courses:

HNF 250 Contemporary Issues in Human Nutrition 3
HNF 450 Nutrition in the Prevention and Treatment of Disease 3

(2) In item 3. b. under the Biomedical and Molecular Nutrition concentration, make the following changes:

(a) In item (5) (a) change the credits of ‘LB 172’ from ‘4’ to ‘3’.

(3) In item 3. b. under the Global Nutrition and Health concentration, make the following changes:

(a) In item (1) change the credits from ‘20’ to ‘23’ and add the following course:
HNF 415 Global Nutrition 3
(b) In item (7) change the requirement from Two of the following’ to ‘One of the following’ and change the credits from ‘6’ to ‘3’.

(4) In item 3. b. under the Public Health Nutrition concentration, make the following changes:

(a) In item (5) delete the following course:
SOC 461 Basic Demographic Techniques and Applications 3

Effective Fall 2018.
Establish a **Minor in Turfgrass Management** in the Department of Plant, Soil and Microbial Sciences. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its April 13, 2017 meeting.

### Background Information:

The Department of Plant, Soil, and Microbial Sciences (PSM) currently offers an undergraduate concentration in Turfgrass Management leading to a Bachelor of Science Degree in Crop and Soil Sciences. Students in horticulture, landscape architecture, sustainable parks, recreation and tourism, and kinesiology may want to supplement their curriculum with a Minor in Turfgrass Management. The minor is beneficial to students not majoring in crop and soil sciences, concentrating in turfgrass management, and plan to work in the landscape industry, the recreational industry, and/or the sports management industry. Students will gain an understanding of the requirements of maintaining a turfgrass playing surface or the turfgrass within a lawn or landscape.

Students will be able to determine basic soil physical, chemical, and biological properties and interpret how they influence the management of turf. They also will be able to identify common turfgrass species, determine best plant establishment techniques, and know best management practices for healthy and beneficial turf. Students will be introduced to professionals that work in the Turfgrass Industries to show potential job opportunities and make connections to the industry.

### Academic Programs Catalog Text:

The Minor in Turfgrass Management, administered by the Department of Plant, Soil and Microbial Sciences, is designed to serve students that plan to work in the landscape, recreational, or the sports management industry. Students will gain an understanding of the fundamentals of maintaining a turfgrass-playing surface or the turfgrass within a lawn or landscape.

The minor is available as an elective to students who are enrolled in bachelor's degree programs 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.

Students who plan to complete the requirements of the minor should consult the undergraduate adviser in the Department of Plant, Soil and Microbial Sciences to have their program of study approved in advance.

#### Requirements for the Minor in Turfgrass Management

Complete a minimum of 15 credits from the following:

1. **Management of Turfgrass Cultural Practices**
   - CSS 210 Fundamentals of Soil Science 3
   - CSS 232 Turfgrass Management 4
   - CSS 262 Turfgrass Management Seminar 1
2. **Management of Turfgrass Pests**
   - CSS 178 Turfgrass Irrigation 3
   - CSS 267 Performance Turf Design and Construction 2
   - CSS 272 Turfgrass Soil Fertility 2
   - CSS 282 Turfgrass Physiology 2
   - CSS 181 Pesticide and Fertilizer Application Technology 3
   - CSS 288 Principles of Weed Management 3
   - ENT 364 Turfgrass Entomology 3
   - PLP 266 Turf Pathology 3
GENERAL TURFGRASS MANAGEMENT

**CSS 171 Operations Budgeting for Golf Course Managers**

**CSS 202 World of Turf**

**HRT 214 Landscape and Turfgrass Business Operations**

Effective Spring 2018.

RESIDENTIAL COLLEGE IN THE ARTS AND HUMANITIES

1. Establish in the **Residential College in the Arts and Humanities**, in collaboration with the MSU College of Law, a 3 + 3 Option for selected Residential College in the Arts and Humanities students to earn a baccalaureate degree. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its February 9, 2017 meeting. The University Committee on Graduate Studies recommended approval of this request at its February 6, 2017 meeting.

   a. **Background Information:**

   The Residential College in the Arts and Humanities, in collaboration with the MSU College of Law, offers an opportunity for selected Residential College in the Arts and Humanities students to earn a baccalaureate degree after satisfactory completion of a minimum of 91 credits at Michigan State University, and a minimum of 29 credits through subsequent enrollment at the Michigan State University College of Law. Students interested in this option should consult with their college academic advisor during their first year in the college.

   Admission to the MSU College of Law component of this program is limited to a small number of students who complete the specified university and college requirements and who earn a grade-point average and LSAT score that is acceptable for admission to the Michigan State University College of Law.

   b. **Academic Programs Catalog Text:**

   The Residential College in the Arts and Humanities, in collaboration with the MSU College of Law, offers an opportunity for selected Residential College in the Arts and Humanities students to earn a baccalaureate degree after satisfactory completion of a minimum of 91 credits at Michigan State University, and a minimum of 29 credits through subsequent enrollment at the Michigan State University College of Law. Students interested in this option should consult with their college academic advisor during their first year in the college.

   Admission to the MSU College of Law component of this program is limited to a small number of students who complete the specified university and college requirements and who earn a grade-point average and LSAT score that is acceptable for admission to the Michigan State University College of Law.

   All students in this program will complete a minimum of 91 credits at Michigan State University with at least 52 of those credits in the Residential College in the Arts and Humanities. The requirements for the program are as follows:

   1. Completion of all the university-level graduation requirements, including integrative studies, writing, and mathematics.
   2. Completion of the Residential College in the Arts and Humanities required courses, language proficiency, and elective pathway.
   3. Completion of a minimum of 29 credits at the Michigan State University College of Law
Upon satisfactory completion of the specified 120 credits, students in this program will be eligible for the baccalaureate degree and may apply for conferral of their degree.

Effective Spring 2018.

**COLLEGE OF ARTS AND LETTERS**

1. Change the requirements for the Bachelor of Arts degree in Humanities-Prelaw in the College of Arts and Letters.
   a. Under the heading Requirements for the Bachelor of Arts Degree in Humanities-Prelaw replace the entire entry with the following:

   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 Humanities—Prelaw.

   The University's Tier II writing requirement for the Humanities—Prelaw major is met by completing AL 492B referenced in item 3. a. (2) below.

   The requirements of the College of Arts and Letters for the Bachelor of Arts degree, with the exception of the College's cognate requirement.

   The following requirements for the major:

   a. The following courses that are related to Humanities—Prelaw (50 to 64 credits):

      (1) All of the following 3 emphasis areas; both the areas and the related courses must be approved by the student's academic advisor (45 credits):

      (a) At least 15 credits in a discipline within the College of Arts and Letters.¹, ²

      (b) At least 15 additional credits in a discipline within or outside the College of Arts and Letters.¹, ²

      (c) At least 15 additional credits selected from the following:

         AAAS  100 Race and Community in Local to Global Perspective  3

         CJ   110 Introduction to Criminal Justice          3

         CJ   220 Criminology                               3

         CJ   275 Criminal Procedure                        3

         GBL  323 Introduction to Business Law              3

         ENG  473B Law and Literature                       3

         GSAH 230 Values, Experience, and Difference in Global Contexts  3

         GSAH 310 Conflict and Justice in a Global Setting  3

         HST  318A United States Constitutional History to 1890 3

         HST  318B United States Constitutional History from 1877  3

         PHL  130 Logic and Reasoning                        3

         PHL  330 Formal Reasoning                          4

         PHL  340 Ethics                                    3

         PHL  342 Environmental Ethics                      3

         PHL  344 Ethical Issues in Health Care              4

         PHL  345 Business Ethics                           4

         PHL  350 Introduction to Social and Political Philosophy  3

         PHL  351 African Philosophy                         3

         PHL  353 Core Themes in Peace and Justice Studies   3

         PHL  354 Philosophy of Law                          3

         PHL  355 Philosophy of Technology (W)                3

         PHL  356 Philosophical Aspects of Feminism          4

         PHL  450 Liberal Theory and its Critics             3

         PHL  451 Philosophy and the Black Experience        3
### PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 454</td>
<td>Topics in Philosophy of Law</td>
<td>3</td>
</tr>
<tr>
<td>PHL 456</td>
<td>Topics in Feminist Philosophy</td>
<td>4</td>
</tr>
<tr>
<td>PLS 320</td>
<td>Judicial Politics</td>
<td>3</td>
</tr>
<tr>
<td>PLS 321</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>PLS 322</td>
<td>Comparative Legal Systems</td>
<td>3</td>
</tr>
<tr>
<td>PLS 324</td>
<td>Congress</td>
<td>3</td>
</tr>
<tr>
<td>PLS 325</td>
<td>The Presidency</td>
<td>3</td>
</tr>
<tr>
<td>PLS 377</td>
<td>American Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>REL 185</td>
<td>Nonprofits and Religion</td>
<td>3</td>
</tr>
<tr>
<td>REL 210</td>
<td>Religion and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>REL 385</td>
<td>Religion, Health, and Health Care</td>
<td>3</td>
</tr>
<tr>
<td>REL 485</td>
<td>Religion and Nonprofit Leadership (W)</td>
<td>3</td>
</tr>
<tr>
<td>SOC 331</td>
<td>Political Sociology</td>
<td>3</td>
</tr>
<tr>
<td>WS 201</td>
<td>Introduction to Women’s and Gender Studies</td>
<td>3</td>
</tr>
<tr>
<td>WS 301</td>
<td>Sexual Violence Against Women and Children: Theory and Response</td>
<td>3</td>
</tr>
<tr>
<td>WS 304</td>
<td>Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ) and Sexuality Studies</td>
<td>3</td>
</tr>
<tr>
<td>WS 404</td>
<td>Women and the Law in the United States</td>
<td>3</td>
</tr>
</tbody>
</table>

(2) Completion of AL 492B, a capstone experience. With the permission of the college, a student may substitute a capstone seminar course in one of the department majors that is associated with one of the emphasis areas within the College of Arts and Letters that the student selects to satisfy the Requirements for the Bachelor of Arts degree in Humanities-Prelaw.

(3) Additional credits in courses related to Humanities—Prelaw as needed to meet the requirement of at least 50, but not more than 64, credits in courses in the major (2 to 16 credits).

(4) At least 20 credits in 300–400 level courses in the student's three emphasis areas.

b. At least 3 credits in courses that involve quantitative reasoning skills selected from areas such as the following: mathematics, computer science, economics, statistics and probability, management, business, and research or creative methodology. Both the area and the related courses must be approved by the student’s academic advisor.

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1. A discipline is associated with a departmental major or minor. Courses used to satisfy the University mathematics requirement may not be used to fulfill this requirement.

2. If the student selects a foreign language as a discipline, the courses must be at the 300–400 level or above.

Effective Spring 2018.
2. Establish a **Graduate Certificate** in **Global Studies in the Arts and Humanities** in the College of Arts and Letters. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its April 10, 2017 meeting.

   a. **Background Information:**

   Global Studies in the Arts and Humanities offers a successful interdisciplinary bachelor's degree program and an undergraduate minor. In order to encourage interdisciplinary learning and experience among MSU's graduate students, the program proposes to offer certification for students who wish to enhance their graduate programs with an interdisciplinary global perspective. Most global studies programs emphasize the social sciences and communication studies aspect. The proposed program is rare in prioritizing arts and humanities perspectives on global events and trends.

   The Global Studies in the Arts and Humanities offers interdisciplinary studies that are not tied to one world area or region. Expanding existing disciplinary graduate studies will enhance MSU's world grant mission. The certificate will leverage and extend the work already undertaken in the undergraduate curriculum and across departments using literature, film, history, visual arts, drama ethical debates and other media to understand diverse values, ethics and perspectives. It will train graduate students to enhance their creative, critical and analytical thinking, intercultural understanding, international experiences, language proficiency and global awareness and concern.

   b. **Academic Programs Catalog Text:**

   The Graduate Certificate in Global Studies in the Arts and Humanities, which is administered by the College of Arts and Letters, engages students in course work and experiential learning that makes an important intervention into conceptualizations of 'the global’ conceptualizations that often focus solely on economic and political conditions.

   Recognizing the complexities of cultural interaction and exchange, global studies in the arts and humanities foregrounds the role of the arts and humanities in recognizing and understanding how global conditions and concerns affect our experiential and intellectual existence. The certificate enhances a master's or doctoral program in a specific field of study through interdisciplinary learning, language proficiency and experiential opportunities.

   The certificate is available as an elective to students who are enrolled in master's and doctoral programs at Michigan State University. Students must meet the requirements of the certificate specified below, in addition to the requirements for the student's primary degree program.

   The students program of study must be approved the Director of Global Studies in the Arts and Humanities program.

   **Requirements for the Graduate Certificate in Global Studies in the Arts and Humanities**

   Students must complete 9 credits from the following:

<table>
<thead>
<tr>
<th>CREDITS</th>
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<tbody>
<tr>
<td>1. The following course:</td>
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<tr>
<td>GSAH 850 Seminar on Global Theories and Concepts in the Arts and Humanities 3</td>
</tr>
<tr>
<td>2. One 3 credit graduate-level course offered outside of the student's home program that addresses global issues or themes. The course is chosen in consultation with their primary advisor and approved by the Director of the Global Studies in the Arts and Humanities program.</td>
</tr>
<tr>
<td>3. Completion of an international experience through participation in a study abroad program, an approved internship with a global dimension, or research experience. The experience is chosen by the student in consultation with their primary advisor and approved by the Director of the Global Studies in the Arts and Humanities program.</td>
</tr>
</tbody>
</table>
4. Demonstration of oral proficiency in a language beyond one that is required by the student’s degree program. Demonstrating oral proficiency in a language that only reading proficiency is required by the student’s degree program can also meet this requirement. Students can meet this requirement by:

a. Successful completion of an appropriate language course at the 400-level or above, or
b. Completion of an oral proficiency exam conducted by the Center for Language Teaching Advancement (CeLTA).

Effective Spring 2018.

3. Change the requirements for the Disciplinary Teaching Minor in French that is available for elementary and secondary teacher certification in the Department of Romance and Classical Studies. The Teacher Education Council (TEC) approved this request at its September 11, 2017 meeting.

a. Under the heading French make the following changes:

(1) Add the following course:

LLT 307 Methods of Second and Foreign Language Teaching 3

(2) Change the total credits from ‘21’ to ‘24’.

Effective Spring 2018.

4. Change the requirements for the Master of Arts degree in Critical Studies in Literacy and Pedagogy in the Department of Writing, Rhetoric and American Cultures. The University Committee on Graduate Studies (UCGS) approved this request at its September 11, 2017 meeting.

a. Under the heading Requirements for Both Plan A and Plan B make the following changes in the Rhetoric and Writing Concentration:

(1) In item 2., delete the following course:

WRA 870 Research Methodologies in Rhetoric and Composition 3

Add the following course:

WRA 870 Research Methodologies in Rhetoric and Writing 3

(2) In item 3., delete the following courses:

WRA 848 American Cultural Rhetorics: Theory and Methodology 3
WRA 860 Visual Rhetoric Theory for Professional Writers 3
WRA 992 Seminar in Language, Literacy, and Pedagogy 3

Add the following courses:

WRA 848 Cultural Rhetorics: Theory and Methodology 3
WRA 860 Multimodal Composing Theory and Practice 3
WRA 992 Seminar in Literacy Studies 3
b. Under the heading **Requirements for Both Plan A and Plan B** make the following changes in the **Community Teaching and Literacy Concentration**:

(1) In item 2., delete the following course:

WRA 870 Research Methodologies in Rhetoric and Composition 3

Add the following course:

WRA 870 Research Methodologies in Rhetoric and Writing 3

(2) In item 3., delete the following courses:

WRA 860 Visual Rhetoric Theory for Professional Writers 3
WRA 992 Seminar in Language, Literacy, and Pedagogy 3

Add the following courses:

WRA 860 Multimodal Composing Theory and Practice 3
WRA 889 Writing Center Theory and Administration 3
WRA 992 Seminar in Literacy Studies 3

Effective Fall 2018.

5. Change the requirements for the **Doctor of Philosophy** degree in **Rhetoric and Writing** in the Department of Writing, Rhetoric and American Cultures. The University Committee on Graduate Studies (UCGS) approved this request at its September 11, 2017 meeting.

a. Under the heading **Requirements for the Doctor of Philosophy Degree in Rhetoric and Writing** make the following changes:

(1) In item 2. delete the following course:

WRA 870 Research Methodologies in Rhetoric and Composition 3

Add the following course:

WRA 870 Research Methodologies in Rhetoric and Writing 3

Effective Fall 2018.
COLLEGE OF EDUCATION

1. Change the requirements for the Bachelor of Science degree in Kinesiology in the Department of Kinesiology.

   a. Under the heading Requirements for the Bachelor of Science Degree in Kinesiology make the following change:

      (1) In item 2. f. delete the following note:

      Kinesiology 492 is designed for seniors who have completed one of the following cognates: Adapted Physical Activity, Administration, Biomechanics, Communication, Growth and Motor Development, Orthotics and Prosthetics, or Psychological Aspects.

      Kinesiology 493 is designed for seniors who have completed one of the following cognates: Cardiac Rehabilitation, Exercise Physiology, Fitness Leadership, Nutrition, or Pre-professional.

      Effective Spring 2018.

JAMES MADISON COLLEGE

1. Change the requirements for the Bachelor of Arts degree in James Madison College.

   a. Under the heading Requirements for the Bachelor of Arts Degree in James Madison College make the following changes:

      (1) In item 1., paragraph three, under Social Relations and Policy delete James Madison College 347.

      (2) In item 2. f. change ‘MC 241’ to ‘MC 341’.

      (3) In item 2. f., replace the note with the following:

      Students may substitute Accounting 201 and 202 for Accounting 230.

      Effective Spring 2018.

2. Change the requirements for the Bachelor of Arts degree in James Madison College [Comparative Cultures and Politics]. The Teacher Education Council (TEC) approved this request at its September 11, 2017 meeting.

   a. Under the heading Requirements for the Bachelor of Arts Degree in James Madison College make the following changes:

      (1) Under the heading Comparative Cultures and Politics make the following changes:

      (a) In item 1. b. add the following course:

          MC 333 Performance, Politics, and Nation 4

      Effective Spring 2018.
3. Change the requirements for the Bachelor of Arts degree in James Madison College [International Relations]. The Teacher Education Council (TEC) approved this request at its September 11, 2017 meeting.

   a. Under the heading Requirements for the Bachelor of Arts Degree in James Madison College make the following changes:

       (1) Under the heading International Relations make the following changes:

           (a) In item 1. c. (3) add the following course:
               MC 335 Israeli Politics, Cultures and Society 4

           (b) In item 1. e. (1) delete the following courses:
               HST 205A The Ancient Mediterranean from 3000 BCE to 400 CE 4
               HST 205B Europe in the Middle Ages from 400 to 1500 4

               Add the following course:
               HST 205 The Ancient Mediterranean and the Medieval World 4

   Effective Spring 2018.

4. Change the requirements for the Bachelor of Arts degree in James Madison College [Political Theory and Constitutional Democracy]. The Teacher Education Council (TEC) approved this request at its September 11, 2017 meeting.

   a. Under the heading Requirements for the Bachelor of Arts Degree in James Madison College make the following changes:

       (1) Under the heading Political Theory and Constitutional Democracy make the following changes:

           (a) In item 1. c. add the following course:
               MC 368 The Civil Rights Movement and its Legacies 4

   Effective Spring 2018.
5. Change the requirements for the **Bachelor of Arts degree in James Madison College [Social Relations and Policy]**. The Teacher Education Council (TEC) approved this request at its September 11, 2017 meeting.

   a. Under the heading **Requirements for the Bachelor of Arts Degree in James Madison College** make the following changes:

      (1) Under the heading **Social Relations and Policy** make the following changes:

         (a) In item 1. c. delete the following courses:

            MC 347 Urban and Regional Development 4

            Add the following course:

            MC 368 The Civil Rights Movement and its Legacies 4

   Effective Spring 2018.

**COLLEGE OF NATURAL SCIENCE**

1. Establish a **Dual Major in Molecular Plant Sciences** in the College of Natural Science. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its April 10, 2017 meeting.

   a. **Background Information:**

      Technological advances in areas such as genomics, metabolomics, phenomics, and computational biology make it necessary to provide an integrative and technologically adaptive curriculum to train the next generation of molecular plant scientists. While plant molecular and omics biology is carried out in many laboratories in several departments and programs in two colleges, the College of Natural Science and the College of Agriculture and Natural Resources, there is a not a unified program that brings these groups together and promotes the synergies in discipline and scientific approach needed to face many critical global challenges of the future. These challenges include increased and sustainable food production, development of sources of renewable energy, plant resistance to environmental challenges, discovery of new pharmaceuticals, water conservation, and biodiversity. Furthermore, while Michigan State University has one of the highest concentrations of plant scientists in the world and ranks among the leading institutions in all areas of plant science research and education, the strength of MSU’s community of plant molecular and computational scientists is not effectively reflected in our current graduate programs and curricula.

      To address these issues, a cross-campus exploratory committee composed of members from six different departments and units has worked with faculty in plant biology; biochemistry and molecular biology; plant, soil and microbial sciences; horticulture; cell and molecular biology; and genetics to propose this dual major graduate program with a curriculum that emphasizes the application of molecular, genetic, biochemical, cell biological and omics-based approaches to understand fundamental plant biological processes.

      The proposed Molecular Plant Sciences dual major will bring together the molecular and computational plant faculty housed in multiple departments and two colleges at MSU including Biochemistry and Molecular Biology, Cell and Molecular Biology, Genetics, Horticulture, Plant Biology, and Plant, Soil and Microbial Sciences, Microbiology and Molecular Genetics, Forestry, and Entomology. The dual major will enable plant science students at MSU to receive a common, essential knowledge-base and enhance awareness of and increase access to the full diversity of expertise across campus. Faculty and students will participate through a core curriculum, electives, and seminar courses, graduate student advising, and programmatic activities such as recruiting, symposia, and retreats.
Anticipated benefits of a new dual major include heightened MSU stature and visibility at the national and global levels. Prospective students interested in plant molecular/omics biology are confronted with numerous program options, none of which is clearly dedicated to graduate education in this area.

Furthermore, there is no single web portal that highlights the breadth and quality of plant molecular and computational faculty and research at MSU. Currently, when prospective students search for plant molecular biology graduate programs on the web, MSU does not appear in the top results of an internet search. A dedicated program website and application process will make it easier for prospective students and the broader scientific community with interests in molecular plant sciences-related research to find and access the strengths of MSU and provides MSU the ability to attract the top graduate students. The web portal will also help incoming and current students by facilitating identification of prospective rotation labs and thesis committee members. Interactions among faculty and students will also allow for synergies with an array of programs and university-level initiatives relevant to molecular plant sciences, including the Global Impact Initiatives in Plants/Food/Environment, Plant Resilience, and Quantitative and Computational Plant Sciences, and the Great Lakes Bioenergy Research Center, the Center for Advanced Plant and Algal Phenotyping, and the NIH Graduate Training Grant on Plant Biotechnology for Health and Sustainability. The combination of a single web interface for applications, modernized core curriculum, better access to information about plant molecular and omics biology at MSU, opportunities for interactions with a broad range of MPS faculty through program activities, and enhanced opportunities for peer networking will enrich the graduate student experience and success during and after their degrees. This will in turn enhance our future ability to recruit the best graduate students and further strengthen MSU’s already outstanding reputation in the plant sciences.

Development of a learning community in molecular plant sciences provides a broad impact across multiple academic units. Many graduate-level plant molecular and omics biology courses at MSU have been developed over the past 20+ years in an ad hoc way such that essential concepts are spread over many offerings and in some cases are repeated in multiple courses or entirely lacking. The molecular plant sciences exploratory committee has engaged the broad molecular plant sciences faculty over the past year to develop a set of core courses and topics, based around existing courses that provide the essential knowledge required of all plant molecular biology students and properly sequences the key concepts in the first year. While only one new course is proposed (Molecular Plant Physiology), the core courses and one elective will be revised to provide uniform and cohesive training. The instructors have already coordinated and agreed on the revised sequencing and topics in these courses. Collectively, this set of core courses will develop the background necessary for students to successfully pass preliminary examinations, provide a common foundation for students to successfully choose from a wide range of electives in their second year, and ultimately allow students to be more successful, in a shorter timeframe, in their graduate careers at MSU. A common, sequential set of core courses will also facilitate development of a cohesive peer group. Additional course requirements, if needed, will be determined in collaboration with each dual major program.

First-year molecular plant sciences students will also perform research rotations in molecular plant sciences laboratories. These experiences will lead to peer interactions and collaborations that will strengthen their research and career development. Because the rotation laboratories will be in a wide range of academic units and the students will also be taking required courses for their second major, molecular plant sciences students will broadly impact other disciplines including agricultural, bioenergy, ecological, and evolutionary research and applications.

b. Academic Programs Catalog Text:

**Dual Major**

The interdepartmental dual major in molecular plant sciences is administered by the College of Natural Science. The dual major is available only to those students who plan to complete a Ph.D. degree program that involves plant molecular biology and who have a graduate major at Michigan State University. The student does not have the option of completing a dual major in plant molecular biology alone.
The educational objectives of the interdepartmental program are to prepare students to:

1. function as independent scientists able to develop new knowledge and understanding about the molecular processes driving plant energy status, metabolism, growth, development, gene regulation, evolution, plant stress tolerance, and environmental interactions;
2. devise and test informative hypotheses and apply key molecular and omics approaches to problems in these areas, and;
3. engage in planning, performing, and management of independent and collaborative research and teaching.

In addition to meeting the requirements of the University and of the College of Natural Science, students must meet the requirements specified below.

**Admission**

In order to enroll in the dual major in plant molecular biology a student must also have been admitted to a major at Michigan State University. A minimum undergraduate grade-point average of 3.0 and a sufficient background in biology, chemistry, physics, mathematics, and/or computer science is required for admission to the dual major. In special cases, an applicant who has deficiencies in background courses may be admitted to the dual major on a provisional basis.

The Molecular Plant Sciences Graduate Admissions Committee composed of members of the molecular plant sciences faculty and the primary department/program admissions committee reviews applications for admission and recommends acceptance of applicants for admission. The application process is composed of two parts: a standard MSU application to the primary department/program of the student's choice and a one-page description of the student's interest in the molecular plant sciences program. Applicants suitable will be forwarded to the Plant Science Recruitment director for onsite interviews. Offer letters will be co-signed by the molecular plant sciences program and the student's primary department.

**Guidance Committee**

During the first year of enrollment in the dual major, the student and a member of the molecular plant sciences faculty who will serve as the student's major professor will constitute a guidance committee that will assist in planning the student's program of study. At least two members of the molecular plant sciences faculty shall be members of the committee along with two faculty members from the student's primary department. The student's program of study will involve molecular plant sciences and a major in the student's department. The program shall be planned in accordance with the statement on Dual Major Doctoral Degrees in the Graduate Education section of this catalog.

Students in the dual major in molecular plant sciences are expected to do research rotations in three laboratories, attend seminars and engage in other programmatic activities.

**Requirements for the Dual Major in Molecular Plant Sciences**

1. The course requirements will be specified in a graduate handbook in consultation with the student’s major professor and guidance committee.
2. Three graduate seminar courses in subjects relevant to molecular plant sciences.
3. Twenty-four credits in Doctoral Dissertation Research (course number 999) from the student's departmental major.
4. Pass a comprehensive examination that will be defined by the requirements of the student's major department and that will include a written examination in which the student demonstrates a knowledge of molecular plant sciences as determined by the guidance committee.
5. Submit and defend a dissertation that, in the judgment of the student's guidance committee, shows original treatment of an important scientific question.

Effective Spring 2018.
2. Change the requirements for the **Bachelor of Science** degree in **Human Biology** in the College of Natural Science.

   a. Under the heading **Requirements for the Bachelor of Science Degree in Human Biology** make the following changes:

   (1) In item 3. f. (2) change the credits of ‘MTH 153H’ from ‘3’ to ‘4’.

   (2) In item 3. g. renumber (5) to (4) and add the following new item (4):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 241 Physics for Cellular and Molecular Biologists I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 242 Physics for Cellular and Molecular Biologists II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 251 Introductory Physics Laboratory I</td>
<td>1</td>
</tr>
<tr>
<td>PHY 252 Introductory Physics Laboratory II</td>
<td>1</td>
</tr>
</tbody>
</table>

   (3) In item 3. i. delete the following course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBIO 402 Neurobiology</td>
<td>3</td>
</tr>
</tbody>
</table>

   Add the following course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEU 300 Neurobiology</td>
<td>3</td>
</tr>
</tbody>
</table>

   Effective Spring 2018.

3. Change the requirements for the **Bachelor of Science** degree in **Zoology** in the Department of Integrative Biology.

   *The concentrations in the Bachelor of Science degree in Zoology are 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 Zoology** make the following changes in the **Zoo and Aquarium Science** concentration:

   (1) In item (1) delete the following course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBIO 320 Developmental Biology</td>
<td>4</td>
</tr>
</tbody>
</table>

   Add the following course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBIO 368 Animal Biology and Conservation</td>
<td>3</td>
</tr>
</tbody>
</table>

   (2) Change the total credits of item (1) from ‘31’ to ‘30’.

   Effective Summer 2018.
COLLEGE OF NURSING

1. Change the requirements for the Master of Science in Nursing degree in Nursing. The University Committee on Graduate Studies (UCGS) approved this request at its September 11, 2017 meeting.

The concentrations in the Master of Science in Nursing degree in Nursing are noted on the student’s academic record when the requirements for the degree have been completed.

NOTE: The concentrations in Nurse Practitioner, Adult-Gerontology Clinical Nurse Specialist with Education, and Nurse Anesthesia will no longer be available. No new students are to be admitted to any of these concentrations effective Fall 2018. No students are to be readmitted to any of these concentrations effective Fall 2018. Effective Fall 2023, coding for these concentrations will be discontinued and the concentrations will no longer be available. Students who have not met the requirements for the concentration prior to Fall 2023 will no longer have the option for the concentration to be noted on the transcript.

a. Under the heading Admission make the following changes:

   (1) In item 3., delete ‘and Nurse Anesthesia’.

   (2) Delete items 5., 6., 11., and 12.

   (3) Renumber items 7. through 10. to items 5. through 8. respectively.

   (4) In new item 6. remove the reference to ‘with education, or nurse anesthetist’.

   (5) Add the following new item 9.:

       If the applicant’s native language is not English, the applicant must complete the Test of English as a Foreign Language (TOEFL) with a minimum average score of 550, no subscore below 52 on the paper-based test (PBT). If the applicant completes the Internet-based test (iBT), no subscore below 19 for reading, listening, and speaking; no writing subscore below 22 and a minimum average score of 80. Applicants should have all test scores sent from the testing agency directly to Michigan State University Office of Admissions.

b. Under the heading Requirements for the Master of Science in Nursing Degree in Nursing replace the entire entry with the following:

   A total of 45 to 48 credits is required for the degree under Plan B (without thesis) depending on the student’s area of concentration. Students must meet the requirements specified below:

   CREDITS

   1. All of the following courses (15 credits):

      NUR 902 Scientific Foundations for the Advanced Practice Nurse 3
      NUR 905 Patient Safety, Quality Improvement and Quality Management in Healthcare 3
      NUR 907 Advanced Pathophysiology for Advanced Practiced Registered Nurses 3
      NUR 908 Advanced Physical Assessment for Advanced Practiced Registered Nurses 3
      NUR 909 Advanced Pharmacology for Advanced Practiced Registered Nurses 3

   2. Complete one of the following three concentrations:

      Nurse Practitioner-Family (30 credits):
      EPI 840 Clinical Epidemiology for Healthcare Practice 3
      NUR 912 Health Promotion - Family 3
      NUR 915 Clinical Diagnosis and Management I - Family 6
      NUR 916 Clinical Diagnosis and Management II - Family 6
      NUR 917 Clinical Diagnosis and Management III - Family 6
      NUR 918 Clinical Diagnosis and Management IV - Family 6

      Nurse Practitioner-Adult-Gerontological Primary Care (30 credits):
      EPI 840 Clinical Epidemiology for Healthcare Practice 3
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

NUR 913 Health Promotion – Adult-Gerontology 3
NUR 925 Clinical Diagnosis and Management I – Adult-Gerontology 6
NUR 926 Clinical Diagnosis and Management II – Adult-Gerontology 6
NUR 927 Clinical Diagnosis and Management III – Adult-Gerontology 6
NUR 928 Clinical Diagnosis and Management IV – Adult-Gerontology 6

Adult-Gerontology Clinical Nurse Specialist (33 credits):
NUR 904 Health Policy and Advocacy 3
NUR 906 Leadership in Complex Health Systems 3
NUR 931 Wellness Promotion for Diverse Populations 3
NUR 932 Clinical Decision Making and Management of Acute Chronic Complex Conditions 6
NUR 933 Clinical Nurse Specialist Advanced Practice Role Development I 6
NUR 934 Clinical Nurse Specialist Advanced Practice Role Development II 6
NUR 935 Clinical Nurse Specialist Advanced Practice Role Development III 6

3. Successful completion of a scholarly project.

Part–time Students
Although many nursing students pursue the master’s degree on a part-time basis, all degree candidates will be expected to maintain minimum degree progress standards established by the College and published in the College of Nursing Graduate Student Handbook. Students are also expected to complete at least one course per semester until the degree is earned.

Academic Standards
A cumulative grade-point average of 3.0 and a grade of 3.0 in each nursing course is required.

Transfer Credits
Up to 25% of graduate course work may be transferred into the Master of Science in Nursing program from other accredited programs upon approval of the College of Nursing, i.e., Commission on Collegiate Nursing Education (CCNE), National League for Nursing Commission for Nursing Education Accreditation (NLN CNEA), and/or Accreditation Commission for Education in Nursing (ACEN).

Time Limit
The time limit for completing the degree is six years from the beginning of the first semester in which credit toward the degree was earned.

Effective Fall 2018.

2. Change the requirements for the Doctor of Nursing Practice degree in Nursing Practice. The University Committee on Graduate Studies (UCGS) approved this request at its September 11, 2017 meeting.

The concentrations in the Doctor of Nursing Practice degree in Nursing Practice will be noted on the student’s academic record when the requirements for the degree have been completed.

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

To be considered for admission to the Doctor of Nursing Practice, post B.S.N. entry program, an applicant must:
1. Submit a university application for admission and a curriculum vita.
2. Complete a Bachelor of Nursing degree from an accredited college or university.
3. Possess a current unrestricted license to practice nursing as a registered nurse in the applicant’s state or country. For those applicants practicing in Michigan, a current registered nurse Michigan license is required. Applicants who hold registered nurse licensure from other states or countries and who are in the Nurse Practitioner and Nurse Anesthesia concentration may be admitted provisionally with the requirement that a United States and Michigan registered nurse license must be obtained prior to progression to clinical courses.
4. A minimum grade-point average of 3.0 (4.0 scale) for total credits completed during the second-half of the four-year baccalaureate nursing program.
5. One year of current full-time clinical experience or equivalent as a registered nurse in an intensive care unit is required for the Nurse Anesthesia concentration.

6. Complete a 3 credit undergraduate or graduate statistics course with a grade of 3.0 (4.0 scale) or better within the last five years.

7. Submit a written essay that addresses the applicant’s career goals and motivations for graduate study in the selected area of specialty nursing practice: nurse practitioner, adult-gerontology clinical nurse specialist, or nurse anesthetist.

8. Submit three letters of recommendation. The reference letters must be from a source that has direct knowledge of the applicant’s work and educational experience specifying the applicant’s ability to do graduate work.

9. Complete an admission interview with the College of Nursing faculty. Recommendations for admission are made by the faculty committee to the Dean of the College based on the requirements for admission and the personal interview.

10. If the applicant’s native language is not English, the applicant must complete the Test of English as a Foreign Language (TOEFL) with a minimum average score of 550, no subscore below 52 on the paper-based test (PBT). If the applicant completes the Internet-based test (iBT), no subscore below 19 for reading, listening, and speaking; no writing subscore below 22 and a minimum average score of 80. Applicants should have all test scores sent from the testing agency directly to Michigan State University Office of Admissions.

b. Under the heading **Requirements for the Doctor of Nursing Practice Degree in Nursing Practice** replace the entire entry with the following:

1. All of the following courses: (28 credits)
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 902</td>
<td>Scientific Foundations for the Advanced Practice Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 903</td>
<td>Healthcare Informatics</td>
<td>3</td>
</tr>
<tr>
<td>EPI 840</td>
<td>Clinical Epidemiology for Healthcare Practice</td>
<td>3</td>
</tr>
<tr>
<td>NUR 904</td>
<td>Health Policy and Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>NUR 905</td>
<td>Patient Safety, Quality Improvement and Quality Management in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>NUR 906</td>
<td>Leadership in Complex Health Systems</td>
<td>3</td>
</tr>
<tr>
<td>NUR 995</td>
<td>Doctor of Nursing Practice Project I</td>
<td>4</td>
</tr>
<tr>
<td>NUR 996</td>
<td>Doctor of Nursing Practice Project II</td>
<td>3</td>
</tr>
<tr>
<td>NUR 997</td>
<td>Doctor of Nursing Practice Project III</td>
<td>3</td>
</tr>
</tbody>
</table>

2. Complete one of the following concentrations:

   **Nurse Practitioner-Family** (42 credits)
   
   All of the following courses (9 credits):
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 907</td>
<td>Advanced Pathophysiology for the Advanced Practice Registered Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 908</td>
<td>Advanced Physical Assessment for the Advanced Practice Registered Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 909</td>
<td>Advanced Pharmacology for the Advanced Practice Registered Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 912</td>
<td>Health Promotion – Family</td>
<td>3</td>
</tr>
<tr>
<td>NUR 915</td>
<td>Clinical Diagnosis and Management I - Family</td>
<td>6</td>
</tr>
<tr>
<td>NUR 916</td>
<td>Clinical Diagnosis and Management II - Family</td>
<td>6</td>
</tr>
<tr>
<td>NUR 917</td>
<td>Clinical Diagnosis and Management III - Family</td>
<td>6</td>
</tr>
<tr>
<td>NUR 918</td>
<td>Clinical Diagnosis and Management IV – Family</td>
<td>6</td>
</tr>
<tr>
<td>NUR 919</td>
<td>Clinical Diagnosis and Management V – Clinical Immersion - Family</td>
<td>6</td>
</tr>
</tbody>
</table>

   **Nurse Practitioner-Adult-Gerontological Primary Care** (42 credits)
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 907</td>
<td>Advanced Pathophysiology for the Advanced Practice Registered Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 908</td>
<td>Advanced Physical Assessment for the Advanced Practice Registered Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 909</td>
<td>Advanced Pharmacology for the Advanced Practice Registered Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 913</td>
<td>Health Promotion – Adult-Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>NUR 925</td>
<td>Clinical Diagnosis and Management I - Adult-Gerontology</td>
<td>6</td>
</tr>
<tr>
<td>NUR 926</td>
<td>Clinical Diagnosis and Management II - Adult-Gerontology</td>
<td>6</td>
</tr>
</tbody>
</table>
### Adult-Gerontology Clinical Nurse Specialist (CNS) (42 credits)

All of the following courses:
- NUR 907 Advanced Pathophysiology for the Advanced Practice Registered Nurse
- NUR 908 Advanced Physical Assessment for the Advanced Practice Registered Nurse
- NUR 909 Advanced Pharmacology for the Advanced Practice Registered Nurse
- NUR 931 Wellness Promotion for Diverse Populations
- NUR 932 Clinical Decision Making and Management of Acute Chronic Complex Conditions
- NUR 933 Clinical Nurse Specialist Advanced Practice Role Development I
- NUR 934 Clinical Nurse Specialist Advanced Practice Role Development II
- NUR 935 Clinical Nurse Specialist Advanced Practice Role Development III
- NUR 936 Clinical Nurse Specialist Specialty Role Immersion I
- NUR 937 Clinical Nurse Specialist Specialty Role Immersion II

### Nurse Anesthesia (64 credits)

All of the following courses:
- ANTR 541 Gross Anatomy for Nurse Anesthetists
- NUR 908 Advanced Physical Assessment for the Advanced Practice Registered Nurse
- NUR 909 Advanced Pharmacology for the Advanced Practice Registered Nurse
- NUR 966 Applied Chemical and Physical Principles of Anesthesia Practice
- NUR 967 Basic Principles of Anesthesia
- NUR 968 Advanced Physiology and Pathophysiology for Anesthesia Practice I
- NUR 969 Advanced Physiology and Pathophysiology for Anesthesia Practice II
- NUR 970 Pharmacology for Nurse Anesthesia I
- NUR 971 Pharmacology for Nurse Anesthesia II
- NUR 972 Advanced Principles of Anesthesia I
- NUR 973 Advanced Principles of Anesthesia II
- NUR 974 Introduction to Clinical Practicum
- NUR 975 Clinical Anesthesia Practicum I
- NUR 976 Clinical Anesthesia Practicum II
- NUR 977 Clinical Anesthesia Practicum III
- NUR 978 Clinical Anesthesia Practicum IV
- NUR 979 Clinical Anesthesia Practicum V
- NUR 980 Clinical Anesthesia Practicum VI
- NUR 981 Anesthesia Seminar I
- NUR 982 Anesthesia Seminar II

### Admission with a Post-Master's Degree

Admission to the Post-Master’s Doctor of Nursing Practice degree program is limited to: (1) master's prepared registered nurses graduated from an accredited master's program in nursing or; (2) those who hold a B.S.N. from an accredited nursing program and a master's degree that qualified them to sit for national certification as a Certified Registered Nurse Anesthetist (CRNA). Each applicant’s transcripts will be reviewed to determine gap between D.N.P. outcomes and their prior education. All candidates will complete a project, practicum, identified courses, and a minimum of 23 credits. Students will have an option to complete an additional APRN specialty if requested, and be admitted to a concentration.
In addition to meeting the requirements of the College of Nursing, and the admission requirements for the Doctor of Nursing Practice Degree in Nursing Practice, students must meet the requirements specified below.

1. All of the following courses (23 to 30 credits):
   - NUR 995 Doctor of Nursing Practice Project I 4
   - NUR 996 Doctor of Nursing Practice Project II 3
   - NUR 997 Doctor of Nursing Practice Project III 3
   - Elective – or core courses as determined by review of previous APRN education 13 to 20

2. Completion of a minimum of 1000 supervised clinical hours between the master’s degree program and the Doctor of Nursing Practice degree program. Students will enroll in NUR 990 Special Problems to complete an individualized clinical learning plan that will achieve the remaining required hours.

Effective Fall 2018.

**COLLEGE OF SOCIAL SCIENCE**

1. Transcript the concentrations for the Bachelor of Arts degree in Global and International Studies in Social Science in the College of Social Science.

   The concentrations in the Bachelor of Arts degree in Global and International Studies in Social Science will be noted on the student's academic record when the requirements for the degree have been completed.

Requirements for the Bachelor of Arts Degree in Global and International Studies in Social Science

1. The graduation requirements of the University 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 Global and International Studies in Social Science.

   The University’s Tier II writing requirement for the Global and International Studies in Social Science major is met by completing Social Science 499. That course is referenced in item 3. below.

2. The requirements of the College of Social Science for the Bachelor of Arts degree.

3. The following requirements for the major:
   a. Three of the following foundational courses. No more than one course can be from a single discipline (9 to 12 credits):
      - ANP 201 Introduction to Cultural Anthropology 3
      - EC 201 Introduction to Microeconomics 3
      - EC 202 Introduction to Macroeconomics 3
      - GEO 151 Introduction to Human Geography 3
      - GEO 204 World Regional Geography 3
      - HST 140 World History to 1500 4
      - HST 150 World History since 1500 4
      - PLS 140 Introduction to Comparative Politics 3
      - PLS 160 Introduction to International Relations 3
      - PSY 101 Introductory Psychology 4
      - SOC 161 International Development and Change 3
      - UP 100 The City 3
      
      With advisor approval, qualified students may substitute Economics 251H for Economics 201.
   
   b. The following courses (4 credits):
      - SSC 299 Integration of Social Science Perspectives 1
      - SSC 499 Capstone in Interdisciplinary Studies in Social Science (W) 3
   
   c. Complete a minimum of 15 credits in one of the following concentrations with no more than two courses form a single discipline. At least 9 credits must be from the College of Social Science.
### African Studies

**College of Social Science courses:**
- ANP 416 Anthropology of Southern Africa 3
- EC 414 Economic Analysis of Sub-Saharan Africa (W) 3
- GEO 338 Geography of Africa 3
- HST 208 Introduction to African History, Culture and Society 4
- HST 360 African History to 1800 3
- HST 361 African History since 1800 3
- HST 364 South Africa: From Shaka Zulu to Mandela 3
- HST 421 Women and Gender in Africa 3
- HST 450 Special Topics in African History 3
- HST 484 Seminar in African History (W) 3
- PLS 351 African Politics 3
- SOC 161 International Development and Change 3

**Courses outside of the College of Social Science:**
- ENG 317 Readings in African and Caribbean Literatures 3
- ENG 350 Readings in African, African-American, or African Diaspora Literature 3
- HA 271 African Art 3
- HA 471 Selected Topics in African Art 4
- JRN 375 International Journalism and Media 3
- JRN 475 International News and Government Dynamics 3
- MC 441 Islam and World Politics 4
- PHL 351 African Philosophy 3
- RCAH 203 Transcultural Relations through the Ages 4
- REL 360 African Religion 3

### Asian Studies

**College of Social Science courses:**
- ANP 414 Anthropology of South Asia 3
- ANP 415 China: Culture and Society 3
- EC 413 Economic Analysis of Asia (W) 3
- GEO 337 Geography of Asia-Pacific 3
- HST 209 Traditional East Asia 4
- HST 210 Modern East Asia 4
- HST 261 The First Imperial Age, 1600-1750 3
- HST 365 The Vietnam War 3
- HST 366 Southeast Asia in the Age of Empire 3
- HST 367 Imperial China 3
- HST 368 China since 1900 3
- HST 369 Japan to 1800 3
- HST 370 Japan since 1800 3
- HST 451 Special Topics in Asian History 3
- HST 485 Seminar in Asian History (W) 3
- PLS 354 Politics of Asia 3

**Courses outside of the College of Social Science:**
- CHS 360 Cinematic Studies of China, Hong Kong, and Taiwan 3
- ENG 352 Readings in Asian or Asian American Literature 3
- HA 260 Asian Art 3
- HA 261 Modern Asia Art 3
- JRN 475 International News and Government Dynamics 3
- LL 250B Topics in National Cinemas: East Asian Cinema 3
- MC 319 Asian American History 4
- MC 324D Regional Politics, Cooperation, and Conflict in Asia 4
- REL 335 East Asian Religions 3
- REL 355 Southeast Asian Religions 3

### Canadian Studies

**College of Social Science courses:**
- ANP 411 North American Indian Ethnography 3
- ANP 432 American Indian Women 3
- CJ 439 Homeland Security 3
- GEO 113 Introduction to Economic Geography 3
- GEO 330 Geography of the United States and Canada 3
- HST 301 Colonial America: Three Worlds Meet 3
- SOC 310 Global Migration 3
### Courses outside of the College of Social Science:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 204</td>
<td>Topics in North American Literatures</td>
<td>3</td>
</tr>
<tr>
<td>FW 207</td>
<td>Great Lakes: Biology and Management</td>
<td>3</td>
</tr>
<tr>
<td>REL 306</td>
<td>Native American Religions</td>
<td>3</td>
</tr>
</tbody>
</table>

The content in FW 207 must be approved by the student's academic advisor.

### European Studies

#### College of Social Science courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANP 416</td>
<td>Anthropology of Southern Africa</td>
<td>3</td>
</tr>
<tr>
<td>GEO 336</td>
<td>Environmental Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>HST 335</td>
<td>Europe in the Age of Revolution, 1700-1870</td>
<td>3</td>
</tr>
<tr>
<td>HST 336</td>
<td>Contemporary Europe, 1870 to Present</td>
<td>3</td>
</tr>
<tr>
<td>HST 337</td>
<td>European Power, Culture, and Thought: Renaissance to the Enlightenment</td>
<td>3</td>
</tr>
<tr>
<td>HST 338</td>
<td>European Power, Culture and Thought: The Modern Era</td>
<td>3</td>
</tr>
<tr>
<td>HST 341</td>
<td>Modern Britain since 1688</td>
<td>3</td>
</tr>
<tr>
<td>HST 347</td>
<td>Modern France</td>
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</tr>
<tr>
<td>HST 348</td>
<td>Modern Germany</td>
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</tr>
<tr>
<td>HST 392</td>
<td>History of the Holocaust</td>
<td>3</td>
</tr>
<tr>
<td>HST 412</td>
<td>Women in Modern European History</td>
<td>3</td>
</tr>
<tr>
<td>HST 414</td>
<td>World War II: Causes, Conduct and Consequences</td>
<td>3</td>
</tr>
<tr>
<td>HST 415</td>
<td>The First World War</td>
<td>3</td>
</tr>
<tr>
<td>HST 452</td>
<td>Special Topics in European History</td>
<td>3</td>
</tr>
<tr>
<td>HST 483</td>
<td>Seminar in Modern European History (W)</td>
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</tr>
<tr>
<td>PLS 356</td>
<td>Politics of Europe and the European Union</td>
<td>3</td>
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<tr>
<td>PLS 357</td>
<td>Politics of English-Speaking Democracies</td>
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### Gender and Global Change

Both of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>WS 201</td>
<td>Introduction to Women's and Gender Studies</td>
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<tr>
<td>WS 202</td>
<td>Introduction to Contemporary Feminisms and Gender Theories</td>
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### College of Social Science courses:

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<tbody>
<tr>
<td>ANP 220</td>
<td>Gender Relations in Comparative Perspective</td>
<td>3</td>
</tr>
<tr>
<td>ANP 270</td>
<td>Women and Health: Anthropological and International Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>ANP 432</td>
<td>American Indian Women</td>
<td>3</td>
</tr>
<tr>
<td>CJ 425</td>
<td>Women and Criminal Justice</td>
<td>3</td>
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<tr>
<td>HST 312</td>
<td>African American Women</td>
<td>3</td>
</tr>
<tr>
<td>HST 313</td>
<td>Women in the U.S. to 1869</td>
<td>3</td>
</tr>
<tr>
<td>HST 314</td>
<td>Women in the U.S. since 1869</td>
<td>3</td>
</tr>
<tr>
<td>HST 412</td>
<td>Women in Modern European History</td>
<td>3</td>
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<tr>
<td>HST 420</td>
<td>History of Sexuality since the 18th Century</td>
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<tr>
<td>HST 421</td>
<td>Women and Gender in Africa</td>
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<tr>
<td>PSY 339</td>
<td>Psychology of Women</td>
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<tr>
<td>SOC 216</td>
<td>Sex and Gender</td>
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### International Development

#### College of Social Science courses:

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<tr>
<td>ANP 201</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>EC 310</td>
<td>Economics of Developing Countries</td>
<td>3</td>
</tr>
<tr>
<td>EC 410</td>
<td>Issues in Economics of Developing Countries (W)</td>
<td>3</td>
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<tr>
<td>HST 260</td>
<td>Navigations and Encounters in an Age of Discovery</td>
<td>3</td>
</tr>
<tr>
<td>HST 261</td>
<td>The First Imperial Age, 1600 – 1750</td>
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## PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

<table>
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<tr>
<td>HST 390</td>
<td>History of International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PLS 342</td>
<td>Comparative Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>PLS 344</td>
<td>Politics of Developing Areas</td>
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<td>PLS 363</td>
<td>International and Domestic Political Conflict</td>
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### Courses outside of the College of Social Science:

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<tbody>
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<td>ANR 250</td>
<td>Global Issues in Agriculture and Natural Resources</td>
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<td>EEP 260</td>
<td>World Food, Population and Poverty</td>
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<td>GSAH 220</td>
<td>Global Interactions and Identities</td>
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<td>PHL 358</td>
<td>Philosophy, Gender and Global Development</td>
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<td>PHL 452</td>
<td>Ethics and Development</td>
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<tr>
<td>WS 403</td>
<td>Women and Change in Developing Countries</td>
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### Latin American and Caribbean Studies

#### College of Social Science courses:

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<td>Anthropology of Latin America</td>
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<td>EC 412</td>
<td>Economic Analysis of Latin America (W)</td>
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<td>GEO 335</td>
<td>Geography of Latin America</td>
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<tr>
<td>HST 211</td>
<td>Colonial Latin America</td>
<td>4</td>
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<tr>
<td>HST 212</td>
<td>National Latin America</td>
<td>4</td>
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<tr>
<td>HST 382</td>
<td>Modern Brazil</td>
<td>3</td>
</tr>
<tr>
<td>HST 383</td>
<td>The Caribbean</td>
<td>3</td>
</tr>
<tr>
<td>HST 384</td>
<td>Modern Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HST 453</td>
<td>Special Topics in Latin American History</td>
<td>3</td>
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<tr>
<td>HST 486</td>
<td>Seminar in Latin American History (W)</td>
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<td>PLS 352</td>
<td>Latin American Politics</td>
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#### Courses outside of the College of Social Science:

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<tbody>
<tr>
<td>ENG 351</td>
<td>Readings in Chicano and Latino Literatures</td>
<td>3</td>
</tr>
<tr>
<td>JRN 475</td>
<td>International News and Government Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>MC 324C</td>
<td>Regional Politics, Cooperation, and Conflict in Latin America and the Caribbean</td>
<td>4</td>
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</tbody>
</table>

### Middle Eastern Studies

#### College of Social Science courses:

<table>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANP 419</td>
<td>Anthropology of the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>GEO 339</td>
<td>Geography of the Middle East and North Africa</td>
<td>3</td>
</tr>
<tr>
<td>HST 205</td>
<td>The Ancient Mediterranean and the Medieval World</td>
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<tr>
<td>HST 372</td>
<td>The Middle East: Islam and Empires</td>
<td>3</td>
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<tr>
<td>HST 373</td>
<td>The Modern Middle East: From Empires to Nation States</td>
<td>3</td>
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<tr>
<td>HST 487</td>
<td>Seminar in Comparative History (W)</td>
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The content in HST 487 must be approved by the student’s academic advisor.

#### Courses outside of the College of Social Science:

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<tbody>
<tr>
<td>JRN 375</td>
<td>International Journalism and Media</td>
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<tr>
<td>MC 324A</td>
<td>Regional Politics, Cooperation, and Conflict in the Middle East</td>
<td>4</td>
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<tr>
<td>MC 335</td>
<td>Israeli Politics, Cultures and Society</td>
<td>4</td>
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<tr>
<td>MC 441</td>
<td>Islam and World Politics</td>
<td>4</td>
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<tr>
<td>REL 310</td>
<td>Judaism</td>
<td>3</td>
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<tr>
<td>REL 330</td>
<td>Islam</td>
<td>3</td>
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</table>

### Russian and Eurasian Studies

#### College of Social Science courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EC 406</td>
<td>Economic Analysis of Russia and the Commonwealth of Independent States (W)</td>
<td>3</td>
</tr>
<tr>
<td>HA 271</td>
<td>African Art</td>
<td>3</td>
</tr>
<tr>
<td>HST 326</td>
<td>United States Foreign Relations since 1914</td>
<td>3</td>
</tr>
<tr>
<td>HST 342</td>
<td>Modern Eastern Europe</td>
<td>3</td>
</tr>
<tr>
<td>HST 343</td>
<td>Russian from Peter the Great to Lenin</td>
<td>3</td>
</tr>
<tr>
<td>HST 344</td>
<td>Russia in the Twentieth Century</td>
<td>3</td>
</tr>
<tr>
<td>HST 414</td>
<td>World War II: Causes, Conduct and Consequences</td>
<td>3</td>
</tr>
<tr>
<td>HST 415</td>
<td>The First World War</td>
<td>3</td>
</tr>
<tr>
<td>MC 441</td>
<td>Islam and World Politics</td>
<td>4</td>
</tr>
<tr>
<td>PLS 358</td>
<td>Politics of the U.S.S.R. and Its Successor States</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Courses outside of the College of Social Science:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LL 250D</td>
<td>Topics in National Cinemas: Russian and Soviet Cinema</td>
<td>3</td>
</tr>
<tr>
<td>MC 321</td>
<td>The Cold War: Culture, Politics and Foreign Policy</td>
<td>4</td>
</tr>
</tbody>
</table>
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

MC 324E Regional Politics, Cooperation and Conflict in Europe 4
MC 328 Russian Foreign Policy 4
MC 329 European Security: Challenges and Strategies 4
MC 331 Encounters with Post-Communism 4
MC 387 Jews and Anti-Semitism 4
RUS 231 19th-Century Russian Literature in Translation 3
RUS 232 20th-Century Russian Literature in Translation 3
d. One of the following research methodology courses (3 or 4 credits):
ANP 429 Ethnographic Field Methods 4
ANP 461 Method and Theory in Historical Archaeology 3
ANP 464 Field Methods in Archaeology 2 to 6
CJ 292 Methods of Criminal Justice Research 3
EC 420 Introduction to Econometric Methods 3
GEO 221 Introduction to Geographic Information 3
GEO 324 Remote Sensing of the Environment 4
GEO 363 Introduction to Quantitative Methods for Geographers 3
HST 201 Historical Methods and Skills 3
PLS 201 Introduction to Methods of Political Analysis 4
PSY 295 Data Analysis in Psychological Research 3
SOC 281 Methods of Social Research I 4
WS 203 Introduction to Methods for Women’s and Gender Studies Research 3
e. Foreign Language Competency

Students must demonstrate competency in a language relevant to the region of study. This is achieved through the completion of the second year of study or equivalent language placement scores. Students are strongly encouraged to complete language minors or other relevant minors.

This requirement may be satisfied by placing into a 300-level foreign language course based on a Michigan State University placement test. Students who come from other countries or cultures where a language other than English is spoken, should contact their academic advisor to discuss placement.

The following languages are pre-approved for each concentration. Students who wish to use a language other than those listed must receive approval from their academic advisor. Second-year proficiency is demonstrated through the completion of one course from any of the following languages:

African Studies
AFR 202A Second-Year Swahili II 4
AFR 202B Second-Year African Language II 4
AFR 252 Intermediate Individualized African Language II 4
ARB 202 Second-Year Arabic II 5
Asian Studies
ARB 202 Second-Year Arabic II 5
CHS 202 Second-Year Chinese II 5
JPN 202 Second-Year Japanese II 5
LL 252 Second-Year Less Commonly Taught Language II 4
RUS 202 Second-Year Russian II 4

Students who choose LL 252 must have a language in Tamil, Hindi, Korean, Vietnamese, Thai, Malay, Persian, Turkish, Uzbek, Tagalog/Filipino, Nepali, Bahasa/Indonesia, Telegu, Bengali, or Khmer.

Canadian Studies
FRN 202 Second-Year French II 4
LL 252 Second-Year Less Commonly Taught Language II 4
Students who choose LL 252 must have the language Ojibwe.

European Studies
FRN 202 Second-Year French II 4
GRM 202 Second-Year German II 4
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

ITL 202 Second-Year Italian II 4
LL 252 Second-Year Less Commonly Taught Language II 4
PRT 202 Second-Year Portuguese II 4
PRT 250 Portuguese for Speakers of Other Romance Languages II 4
RUS 202 Second-Year Russian II 4
SPN 202 Second-Year Spanish II 4
Students who choose LL 252 must have a language in Polish, Turkish, or Dutch.

Gender and Global Change
Second year proficiency in any language other than English.

International Development
Second year proficiency in any language other than English.

Latin American and Caribbean Studies
FRN 202 Second-Year French II 4
PRT 202 Second-Year Portuguese II 4
PRT 250 Portuguese for Speakers of Other Romance Languages II 4
SPN 202 Second-Year Spanish II 4

Middle Eastern Studies
ARB 202 Second-Year Arabic II 4
HEB 202 Second-Year Hebrew II 4
LL 252 Second-Year Less Commonly Taught Language II 4
Students who choose LL 252 must have a language in Persian/Farsi, or Turkish.

Russian and Eurasian Studies
LL 252 Second-Year Less Commonly Taught Language II 4
RUS 202 Second-Year Russian II 4
Students who choose LL 252 must have a language in Turkish, Azerbaijani, Uzbek, Polish, Tajik, Kazak, Kyrgyz, Persian/Farsi.

Effective Fall 2017.

2. Transcript the concentrations for the Bachelor of Arts and Bachelor of Science degree in Interdisciplinary Studies in Social Science in the College of Social Science.

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

Students must select one of three concentrations:

Community Governance and Advocacy. Explores issues and problems related to community organizations, political or social advocacy, governance, private-public sector partnerships, philanthropy, and other local, state, or regional matters. Course offerings deal with physical development, social interaction, race and ethnicity, family, gender, economics, and politics as they relate to challenges of community life.

Health and Society. Examines the social, behavioral, and economic determinants of health. Students will gain the knowledge and skills to improve population health. Students may select from courses in health psychology, anthropology of alternative medicine, or the sociology of health care systems.

Liberal Studies. Students will create an individual sequence of course work designed to accomplish study in interdisciplinary studies in social science.

Requirements for the Bachelor of Arts or Bachelor of Science Degree in Interdisciplinary Studies in Social Science

1. The graduation requirements of the University as described in the Undergraduate Education section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts or Bachelor of Science degree in Interdisciplinary Studies in Social Science.
The University's Tier II writing requirement for the Interdisciplinary Studies in Social Science major is met by completing Social Science 499. That course is referenced in item 5. below.

2. The graduation requirements of the College of Social Science for the Bachelor of Arts or Bachelor of Science degree.

3. **Foundation Courses** (9 to 12 credits):
   
   Three of the following courses:
   
   - ANP 201 Introduction to Cultural Anthropology 3
   - EC 201 Introduction to Microeconomics 3
   - GEO 204 World Regional Geography 3
   - HST 110 Historical Approaches to Contemporary Issues 3
   - PLS 200 Introduction to Political Science 4
   - PSY 101 Introductory Psychology 4
   - SOC 100 Introduction to Sociology 4
   
   One foundation course must match the discipline in the selected cognate, as listed in item 7. below. Qualified students may substitute Economics 251H for Economics 201.

4. The following course (1 credit):
   
   - SSC 299 Integration of Social Science Perspectives 1

5. **Capstone Course** (3 credits):
   
   The following course:
   
   - SSC 499 Capstone in Interdisciplinary Studies in Social Science (W) 3

6. Complete a minimum of 15 to 27 credits in one of the following concentrations with no more than two courses from a single discipline. Courses in the cognate discipline may not be used to satisfy the course requirements of the concentration.

   Students pursuing the Liberal Studies concentration should refer to the section below on Liberal Studies.

**Community Governance and Advocacy**

**Anthropology**

- ANP 321 Anthropology of Social Movements 3
- ANP 330 Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity 3
- ANP 426 Urban Anthropology 3
- ANP 430 Culture, Resources, and Power 3
- ANP 439 Human Rights: Anthropological Perspectives 3

**Criminal Justice**

- CJ 110 Introduction to Criminal Justice 3
- CJ 355 Juvenile Justice 3
- CJ 474 Law and Criminal Justice Policy 3

**Economics**

- EC 335 Taxes, Government Spending, and Public Policy 3
- EC 380 Labor Relations and Labor Market Policy 3
- EC 425 Law and Economics (W) 3

**Human Development and Family Studies**

- HDFS 442 Ethnic Families in America 3

**Geography**

- GEO 413 Urban Geography 3
- GEO 418 The Ghetto 3

**History**

- HST 306 Modern United States 3
- HST 413 Families in Historical Perspective 3

**Political Science**

- PLS 301 American State Government 3
- PLS 302 Urban Politics 3
- PLS 313 American Public Policy 3
- PLS 320 Judicial Politics 3
- PLS 331 Political Parties and Interest Groups 3
- PLS 333 Public Opinion and Political Behavior 3

**Psychology**

- PSY 270 Community Psychology 3

**Sociology**

- SOC 215 Race and Ethnicity 3
<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<td>SOC</td>
<td>Social Stratification</td>
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<tr>
<td>SOC</td>
<td>Political Sociology</td>
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<td>SOC</td>
<td>Contemporary Communities</td>
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<td>SOC</td>
<td>Rural Sociology</td>
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<td>SOC</td>
<td>Urban Sociology</td>
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<td>SOC</td>
<td>Organizations and Society</td>
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<td>SOC</td>
<td>Social Movements and Collective Identities</td>
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<td>SSC</td>
<td>Social Science Internship</td>
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<td>SW</td>
<td>School Violence: Causes and Interventions</td>
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<td>Land Use Planning</td>
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<td>Health and Society</td>
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<td>Anthropology</td>
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<tr>
<td>ANP</td>
<td>Introduction to Medical Anthropology</td>
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<td>Introduction Physical Anthropology</td>
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<td>ANP</td>
<td>Women and Health: Anthropological and International Perspectives</td>
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<td>ANP</td>
<td>Culture, Health and Illness</td>
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<td>Disease in Society: Introduction to Epidemiology and Public Health</td>
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<td>HST</td>
<td>American and European Health Care since 1800</td>
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<td>Human Development and Family Studies</td>
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<td>Lifespan Human Development in the Family</td>
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<td>Human Sexuality</td>
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<td>Neuroscience</td>
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<td>NEU</td>
<td>Psychology and Biology of Human Sexuality</td>
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<td>Psychology</td>
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<td>PSY</td>
<td>Brain and Behavior</td>
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<td>PSY</td>
<td>Abnormal Psychology</td>
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<td>PSY</td>
<td>Health Psychology</td>
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<td>PSY</td>
<td>Psychobiology of Behavioral Development (W)</td>
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<td>Sociology</td>
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<td>SOC</td>
<td>Race and Ethnicity</td>
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<td>SOC</td>
<td>Sex and Gender</td>
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<td>SOC</td>
<td>Science, Technology and Society</td>
<td>3</td>
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<tr>
<td>SOC</td>
<td>Organizations and Society</td>
<td>3</td>
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<tr>
<td>SOC</td>
<td>Environmental Toxicology and Society</td>
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<td>SOC</td>
<td>Dynamics of Population</td>
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<tr>
<td>SOC</td>
<td>Environment and Society</td>
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<tr>
<td>SOC</td>
<td>Health and Society</td>
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<td>SSC</td>
<td>Social Science Internship</td>
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<td>Social Work</td>
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<tr>
<td>SW</td>
<td>Social Work in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>SW</td>
<td>Substance Abuse and the Human Services</td>
<td>3</td>
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</tbody>
</table>
Liberal Studies
Students interested in completing a Liberal Studies concentration must complete 27 credits of course work in the College of Social Science, of which at least 3 credits must be a course on social research methods offered by any unit in the college. Liberal Studies students are limited to no more than five courses in a single discipline, and are not required to complete a disciplinary cognate as listed in item 7. below. Liberal Studies students may only count College of Social Science courses toward their major requirements, but are strongly encouraged to select appropriate electives, or minors to accomplish the student's academic goals. To pursue this concentration, a student must develop a proposal in coordination with the interdisciplinary studies in social science advisor that includes the following:

a. a proposed outline of the course work to be taken with a rationale for each course.

b. a statement of purpose for the proposed course work.

c. a set of specific learning outcomes that will be achieved through the course work that is not available in other majors at the university, or in the college.

The proposed course of study must be approved by the interdisciplinary studies in social science advisor, two tenure-stream faculty members in the College of Social Science, with final approval from the Center for Integrative Studies in Social Science advisory committee.

7. Disciplinary Cognate
Complete a minimum of 12 credits in courses in one of the following disciplines: anthropology, economics, geography, history, political science, psychology, or sociology. Courses in the disciplinary cognate may not be used to satisfy the course requirements of the concentration. Students pursuing the Liberal Studies concentration above are not required to complete a disciplinary cognate.

Anthropology Cognate. In addition to the ANP 201 foundation course listed in item 3. above, complete the following:

a. The following course:
   ANP 206 Introduction to Physical Anthropology 3

b. One of the following courses:
   ANP 320 Social and Cultural Theory 3
   ANP 429 Ethnographic Field Methods 4
   ANP 461 Method and Theory in Historical Archaeology 3
   ANP 463 Laboratory Methods in Archaeology 3
   ANP 464 Field Methods in Archaeology 3

c. One of the following courses:
   ANP 321 Anthropology of Social Movements 3
   ANP 330 Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity 3
   ANP 363 Rise of Civilization 3
   ANP 370 Culture, Health, and Illness 3
   ANP 420 Language and Culture 3
   ANP 422 Religion and Culture 3
   ANP 423 Psychological Anthropology 3
   ANP 426 Urban Anthropology 3
   ANP 430 Culture, Resources and Power 3
   ANP 431 Gender, Environment and Development 3
   ANP 436 Globalization and Justice: Issues in Political and Legal Anthropology 3
   ANP 440 Hominid Fossils 3
   ANP 441 Osteology and Forensic Anthropology 4
   ANP 462 Frontiers and Colonization in Historical Archaeology 3

d. One of the following courses:
   ANP 410 Anthropology of Latin America 3
   ANP 411 North American Indian Ethnography 3
   ANP 414 Anthropology of South Asia 3
   ANP 415 China: Culture and Society 3
   ANP 451 European Archaeology 3
   ANP 452 North American Archaeology 3

Economics Cognate. In addition to the EC 201 foundation course listed in item 3. above, complete the following:
a. The following course:
   EC 202 Introduction to Macroeconomics 3
   Economics 252H may be substituted for Economics 202.
b. Three courses in Economics at the 300-400 level 9

**Geography Cognate.** In addition to the GEO 204 foundation course listed in item 3. above, complete the following:
a. One of the following courses:
   GEO 113 Introduction to Economic Geography 3
   GEO 151 Introduction to Human Geography 3
   GEO 206 Physical Geography 3
b. One of the following courses:
   GEO 221 Introduction to Geographic Information 3
   GEO 324 Remote Sensing of the Environment 4
   GEO 363 Introduction to Quantitative Methods for Geographers 3
c. Complete one Geography course at the 300-level. 3
d. Complete one Geography course at the 400-level. 3

**History Cognate.** In addition to the HST 110 foundation course listed in item 3. above, complete the following:
a. The following course:
   HST 201 Historical Methods and Skills 3
b. Complete 9 credits from one of the following areas with a minimum of 6 credits in 300-400 level courses:

   **Women, Gender and Family**
   - HST 312 African American Women 3
   - HST 313 Women in the United States to 1869 3
   - HST 314 Women in the United States since 1869 3
   - HST 324 History of Sport in America 3
   - HST 412 Women in Modern European History 3
   - HST 413 Families in Historical Perspective 3
   - HST 420 History of Sexuality since the 18th Century 3
   - HST 421 Women and Gender in Africa 3
   - HST 450 Special Topics in African History 3
   - HST 451 Special Topics in Asian History 3
   - HST 452 Special Topics in European History 3
   - HST 453 Special Topics in Latin American History 3
   - HST 454 Special Topics in American History 3
   - HST 455 Special Topics in Modern History 3
   - HST 480 Seminar in American History (W) 3
   - HST 483 Seminar in Modern European History (W) 3
   - HST 484 Seminar in African History (W) 3
   - HST 485 Seminar in Asian History (W) 3
   - HST 486 Seminar in Latin American History (W) 3
   - HST 487 Seminar in Comparative History (W) 3

   History 450, 451, 452, 453, 454, 455, 480, 483, 484, 485, 486 and 487 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of History.

   **U.S. Racial, Ethnic and Cultural History**
   - HST 310 African American History to 1876 3
   - HST 311 African American History since 1876 3
   - HST 312 African American Women 3
   - HST 317 American Jewish History 3
   - HST 319 Asian American History 3
   - HST 324 History of Sport in America 3
   - HST 327 History of Mexican Americans in the United States 3
   - HST 375 Native Americans in North American History to 1830 3
   - HST 379 Native Americans in North American History from 1830 3
   - HST 454 Special Topics in American History 3
   - HST 455 Special Topics in Modern History 3
   - HST 480 Seminar in American History (W) 3
   - HST 487 Seminar in Comparative History (W) 3
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

History 454, 455, 480, and 487 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of History.

Political, Constitutional and Legal History

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HST 302</td>
<td>Revolutionary America</td>
<td>3</td>
</tr>
<tr>
<td>HST 305</td>
<td>The Making of the Modern United States</td>
<td>3</td>
</tr>
<tr>
<td>HST 306</td>
<td>Modern United States</td>
<td>3</td>
</tr>
<tr>
<td>HST 318A</td>
<td>United States Constitutional History to 1890</td>
<td>3</td>
</tr>
<tr>
<td>HST 318B</td>
<td>United States Constitutional History from 1877</td>
<td>3</td>
</tr>
<tr>
<td>HST 351</td>
<td>Constitutional and Legal History of England since 1400</td>
<td>3</td>
</tr>
<tr>
<td>HST 452</td>
<td>Special Topics in European History</td>
<td>3</td>
</tr>
<tr>
<td>HST 454</td>
<td>Special Topics in American History</td>
<td>3</td>
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<tr>
<td>HST 455</td>
<td>Special Topics in Modern History</td>
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<tr>
<td>HST 480</td>
<td>Seminar in American History (W)</td>
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<tr>
<td>HST 483</td>
<td>Seminar in Modern European History (W)</td>
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<td>HST 487</td>
<td>Seminar in Comparative History (W)</td>
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History 452, 454, 455, 480, 483, and 487 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of History.

Diplomacy and War

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>HST 304</td>
<td>The American Civil War</td>
<td>3</td>
</tr>
<tr>
<td>HST 325</td>
<td>United States Foreign Relations to 1914</td>
<td>3</td>
</tr>
<tr>
<td>HST 326</td>
<td>United States Foreign Relations since 1914</td>
<td>3</td>
</tr>
<tr>
<td>HST 390</td>
<td>History of International Relations</td>
<td>3</td>
</tr>
<tr>
<td>HST 392</td>
<td>History of the Holocaust</td>
<td>3</td>
</tr>
<tr>
<td>HST 414</td>
<td>World War II: Causes, Conduct and Consequences</td>
<td>3</td>
</tr>
<tr>
<td>HST 450</td>
<td>Special Topics in African History</td>
<td>3</td>
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<tr>
<td>HST 451</td>
<td>Special Topics in Asian History</td>
<td>3</td>
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<tr>
<td>HST 452</td>
<td>Special Topics in European History</td>
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<tr>
<td>HST 453</td>
<td>Special Topics in Latin American History</td>
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<td>HST 455</td>
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<td>HST 480</td>
<td>Seminar in American History (W)</td>
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<td>HST 481</td>
<td>Seminar in Ancient History (W)</td>
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<td>HST 487</td>
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<tr>
<td>HST 488</td>
<td>Seminar in International Relations (W)</td>
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</table>

History 450, 451, 452, 453, 454, 455, 480, 481, 482, 483, 484, 485, 486 and 487 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of History.

The History of a Specific Area of the World - Africa

<table>
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<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>HST 360</td>
<td>African History to 1800</td>
<td>3</td>
</tr>
<tr>
<td>HST 361</td>
<td>African History since 1800</td>
<td>3</td>
</tr>
<tr>
<td>HST 364</td>
<td>South Africa: From Shaka Zulu to Mandela</td>
<td>3</td>
</tr>
<tr>
<td>HST 421</td>
<td>Women and Gender in Africa</td>
<td>3</td>
</tr>
<tr>
<td>HST 450</td>
<td>Special Topics in African History</td>
<td>3</td>
</tr>
<tr>
<td>HST 484</td>
<td>Seminar in African History (W)</td>
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</table>

The History of a Specific Area of the World - Asia

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<td>HST 209</td>
<td>Traditional East Asia</td>
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<tr>
<td>HST 210</td>
<td>Modern East Asia</td>
<td>4</td>
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<tr>
<td>HST 366</td>
<td>Southeast Asia in the Age of Empire</td>
<td>3</td>
</tr>
<tr>
<td>HST 367</td>
<td>Imperial China</td>
<td>3</td>
</tr>
<tr>
<td>HST 368</td>
<td>China since 1900</td>
<td>3</td>
</tr>
<tr>
<td>HST 369</td>
<td>Japan to 1800</td>
<td>3</td>
</tr>
<tr>
<td>HST 370</td>
<td>Japan since 1800</td>
<td>3</td>
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<td>HST 451</td>
<td>Special Topics in Asian History</td>
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<td>Course Code</td>
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<td>HST 485</td>
<td>Seminar in Asian History (W)</td>
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<td><em>The History of a Specific Area of the World - Modern Europe</em></td>
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<td>HST 335</td>
<td>Europe in the Age of Revolution, 1700-1870</td>
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<tr>
<td>HST 336</td>
<td>Contemporary Europe, 1870 to Present</td>
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<td>HST 337</td>
<td>European Power, Culture, and Thought: Renaissance to Enlightenment</td>
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<td>HST 338</td>
<td>European Power, Culture, and Thought: The Modern Era</td>
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<td>HST 341</td>
<td>Modern Britain since 1688</td>
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<td>HST 342</td>
<td>Modern Eastern Europe</td>
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<td>HST 344</td>
<td>Russia in the Twentieth Century</td>
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<td>HST 347</td>
<td>Modern France</td>
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<td>HST 348</td>
<td>Modern Germany</td>
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<td>HST 392</td>
<td>History of the Holocaust</td>
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</tr>
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<td>HST 412</td>
<td>Women in Modern European History</td>
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<td>HST 452</td>
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<tr>
<td>HST 483</td>
<td>Seminar in Modern European History (W)</td>
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<td>History 452 and 483 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of History.</td>
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<tr>
<td></td>
<td><em>The History of a Specific Area of the World - Latin America</em></td>
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<td>HST 382</td>
<td>Modern Brazil</td>
<td>3</td>
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<tr>
<td>HST 383</td>
<td>The Caribbean</td>
<td>3</td>
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<tr>
<td>HST 384</td>
<td>Modern Mexico</td>
<td>3</td>
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<td>HST 453</td>
<td>Special Topics in Latin American History</td>
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<td>HST 486</td>
<td>Seminar in Latin American History (W)</td>
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<tr>
<td>Political Science Cognate: In addition to the PLS 200 foundation course listed in item 3. above, complete the requirements from one of the areas below:</td>
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<tr>
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<td><em>Political Philosophy</em></td>
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<tr>
<td></td>
<td>a. Both of the following courses:</td>
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<tr>
<td></td>
<td>PLS 170 Introduction to Political Philosophy</td>
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<td></td>
<td>PLS 201 Introduction to Methods of Political Analysis</td>
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<td>b. Two of the following courses:</td>
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<td></td>
<td>PLS 371 Classical Political Philosophy</td>
<td>3</td>
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<tr>
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<td>PLS 372 Modern Political Philosophy</td>
<td>3</td>
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<tr>
<td></td>
<td>PLS 377 American Political Thought</td>
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<td></td>
<td>PLS 422 Seminar in Political Science(W)</td>
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<tr>
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<td>Political Science 422 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of Political Science.</td>
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<tr>
<td></td>
<td><em>American Political Institutions</em></td>
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<td>a. Both of the following courses:</td>
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<tr>
<td></td>
<td>PLS 100 Introduction to American Politics</td>
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<td>PLS 201 Introduction to Methods of Political Analysis</td>
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<td>b. Two of the following courses:</td>
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<tr>
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<td>PLS 301 American State Government</td>
<td>3</td>
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<td>PLS 302 Urban Politics</td>
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<td>PLS 310 Public Administration and Policy Making</td>
<td>3</td>
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<td>PLS 320 Judicial Politics</td>
<td>3</td>
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<td>PLS 321 Constitutional Law</td>
<td>3</td>
</tr>
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<td></td>
<td>PLS 324 Congress</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PLS 325 The Presidency</td>
<td>3</td>
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<tr>
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<td>PLS 331 Political Parties and Interest Groups</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PLS 334 Campaigns and Elections</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PLS 422 Seminar in Political Science (W)</td>
<td>4</td>
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<tr>
<td></td>
<td>Political Science 422 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of Political Science.</td>
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</tr>
<tr>
<td></td>
<td><em>Global Issues in Politics</em></td>
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<tr>
<td></td>
<td>a. The following course:</td>
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</tr>
<tr>
<td></td>
<td>PLS 201 Introduction to Methods of Political Analysis</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>b. One of the following courses:</td>
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<tr>
<td></td>
<td>PLS 140 Introduction to Comparative Politics</td>
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</tbody>
</table>
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

PLS  160  Introduction to International Relations    3
c.  Two of the following courses:
    PLS  322  Comparative Legal Systems     3
    PLS  342  Comparative Political Economy     3
    PLS  344  Politics of Developing Areas     3
    PLS  351  African Politics       3
    PLS  352  Latin American Politics     3
    PLS  354  Politics of Asia     3
    PLS  356  Politics of Europe and the European Union     3
    PLS  357  Politics of English Speaking Democracies     3
    PLS  358  Politics of the U.S.S.R. and its Successor States     3
    PLS  422  Seminar in Political Science (W)     4
    PLS  441  Islam and World Politics     4

Political Science 422 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of Political Science.

Psychology Cognate. In addition to the PSY 101 foundation course listed in item 3. above, complete the following:

a.  The following course:
    PSY  295  Data Analysis in Psychological Research    3
    Students who have completed Statistics and Probability 315 should consult an academic advisor before completing this course.

b.  Two of the following courses:
    PSY  200  Cognitive Psychology     3
    PSY  209  Brain and Behavior     3
    PSY  235  Social Psychology     3
    PSY  236  Personality     3
    PSY  244  Developmental Psychology: Infancy Through Childhood     3
    PSY  255  Industrial and Organizational Psychology     3
    PSY  270  Community Psychology     3
    PSY  280  Abnormal Psychology     3

c.  One Psychology course at the 300-400 level.     3

Sociology Cognate. In addition to the SOC 100 foundation course listed in item 3. above, complete the following:

a.  Both of the following courses:
    SOC  281  Methods of Social Research I     4
    SOC  282  Methods of Social Research II     4

b.  One of the following courses:
    SOC  215  Race and Ethnicity     3
    SOC  216  Sex and Gender     3
    SOC  330  Social Stratification     3

c.  One Sociology course at the 300-400 level.     3

Business Emphasis
The Business Emphasis is available as an elective to students who are pursuing a Bachelor of Arts or a Bachelor of Science degree with a major in interdisciplinary studies in social science. To enroll in the business emphasis, students must meet with an interdisciplinary studies in social science advisor.

Requirements for the Business Emphasis (12 credits)
Complete four of the following courses:

ACC  230  Survey of Accounting Concepts     3
FI  320  Introduction to Finance     3
GBL  323  Introduction to Business Law     3
MGT  325  Management Skills and Processes     3
MKT  327  Introduction to Marketing     3

Accounting 230 is not open to students with credit in Accounting 202.

Effective Fall 2017.
3. Change the requirements for the **Minor in Geography** in the Department of Geography, Environment, and Spatial Sciences.

   a. Under the heading **Requirements for the Minor in Geography** make the following changes:

      (1) In item 1. reflect that GEO 206 and GEO 206L must be taken together.

      (2) Replace item 2. with the following:

      A minimum of 3 credits from the following:
      GEO 204 World Regional Geography 3
      or
      Any 300-level GEO course

   Effective Spring 2018.

4. Change the requirements for the **Bachelor of Arts degree in Political Science (General)** in the Department of Political Science.

   a. Under the heading **Requirements for the Bachelor of Arts Degree in Political Science (General)** make the following changes:

      (1) In item 1., change paragraph two to the following:

      The University’s Tier II writing requirement for the Political Science (General) major is met by completing the following course: Political Science 422. That course is referenced in item 3. a. (4) below.

      (2) In item 3. a. change the total credits from ‘37’ to ‘34’.

      (3) In item 3. a. (3) change the requirement from ‘five’ to ‘four’ courses and ‘15’ to ‘12’ credits.

      (4) In item 3. a. (4) delete the following course:

      PLS 421 Moot Court and Legal Research in Federal Law (W) 4

   Effective Spring 2018.

5. Change the requirements for the **Bachelor of Arts degree in Political Science-Prelaw** in the Department of Political Science.

   a. Under the heading **Requirements for the Bachelor of Arts Degree in Political Science-Prelaw** make the following changes:

      (1) In item item 1., change paragraph two to the following:

      The University’s Tier II writing requirement for the Political Science (General) major is met by completing the following course: Political Science 422. That course is referenced in item 3. a. (5) below.

      (2) In item 3. a. change the total credits from ‘37’ to ‘34’.

      (3) In item 3. a. (4) change the requirement from ‘four’ to ‘three’ courses and ‘12’ to ‘9’ credits.

      (4) In item 3. a. (5) delete the following course:
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

PLS 421 Moot Court and Legal Research in Federal Law (W) 4

Effective Spring 2018.

6. Change the requirements for the Bachelor of Arts degree in Public Policy in the Department of Political Science.

   a. Under the heading Requirements for the Bachelor of Arts Degree in Public Policy make the following changes:

      (1) In item 3. a. change the total credits from ‘37’ to ‘34’.
      (2) Delete item 3. a. (4).
      (3) Renumber item 3. a. (5) to 3. a. (4).

   Effective Spring 2018.

7. Change the requirements for the Bachelor of Arts degree in World Politics in the Department of Political Science.

   a. Under the heading Requirements for the Bachelor of Arts Degree in World Politics make the following changes:

      (1) In item 3. a. change the total credits from ‘37’ to ‘34’.
      (2) In item 3. a. (2) change ‘Five’ to ‘Four’ courses and ‘15’ to ‘12’ credits.

   Effective Spring 2018.
PART II - NEW COURSES

COLLEGE OF ARTS AND LETTERS

AL 492B  Capstone Seminar in Humanities and Law (W)  Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement R: Open to seniors in the Humanities-Prelaw Major or approval of college.  Capstone experience drawing together various approaches in arts, humanities, and social science related to law. Integration of students' diverse courses of study.  Effective Spring 2017

GSAH 850  Seminar on Global Theories and Concepts in the Arts and Humanities  Fall of every year. 3(3-0)  Advanced concepts and broad theoretical debates in global studies. Models and systems that theorize global relationships, formations, and interactions in the Arts and Humanities.  Effective Fall 2017

DEPARTMENT OF COMMUNICATION

COM 310  Intercultural Communication  Fall of every year. Spring 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 College of Communication Arts and Sciences or in the College of Education.  How two or more people from different cultures or ethnic and racial groups use psychological, communicative, relational, nonverbal, contextual, and discourse strategies to conduct their relationships focusing on how miscommunication occurs and how people learn to be interculturally competent.  Effective Fall 2017

COM 320  Diversity and Communication  Fall of every year. Spring of every year. 3(3-0) P: COM 300 R: Open to juniors or seniors in the College of Education or in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the College of Communication Arts and Sciences.  Explore the interplay between communication processes and diverse identities such as race, ethnicity, class, sexual orientation, and gender.  Effective Fall 2017

COM 330  Health Communication  Spring of every year. 3(3-0) P: COM 300 R: Open to undergraduate students in the College of Communication Arts and Sciences.  Survey of health communication theory and research. Provides a substantive foundation of relevant theories, research, practices, and current issues related to health communication across interpersonal, group, organizational, and mediated communication.  Effective Fall 2017

COM 401  Advanced Topics in Communication (W)  Spring of every year. 4(4-0) P: (COM 300) and completion of Tier I writing requirement R: Open to juniors or seniors or graduate students in the Department of Communication.  Exploring vital social, health, and political issues through communication research design.  Effective Fall 2017

DEPARTMENT OF COUNSELING, EDUCATIONAL PSYCHOLOGY, AND SPECIAL EDUCATION

CEP 804B  Advanced Diagnosis and Remediation for Students with Literacy Disabilities  Fall of every year. 3(3-0) A student may earn a maximum of 3 credits in all enrollments for this course. R: Open to master's students in the Special Education Major.  Diagnosis and remediation of reading disabilities, differentiated instruction; literacy assessment and intervention practices for struggling K-12 readers and writers.  Effective Fall 2017
DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES

GLG 863  Mineral-Water Interactions
Fall of even years. 4(3-2) Interdepartmental with Crop and Soil Sciences. R: Open only to graduate students in the Department of Crop and Soil Sciences or Department of Geological Sciences or Department of Geography.
REINSTATEMENT Mineralogy, petrology and geochemistry of fluid-rock reactions in geologic, sedimentary and geochemical cycles. Rock and mineral weathering, soil formation, genesis and burial diagenesis of sediments and sedimentary rocks, and metamorphism. Effective Fall 2017

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

ECE 932  Advanced Topics in Analog Circuits
Spring of odd years. 3(3-0)
REINSTATEMENT Variable topics in advanced circuit analysis. Effective Spring 2018

DEPARTMENT OF FOOD SCIENCE AND HUMAN NUTRITION

HNF 415  Global Nutrition
Spring of every year. 3(3-0) P: HNF 350
Burdens, causes, and consequences of undernutrition globally. Interaction of nutrition with illness, obesity, and reproductive health. Approaches, policies, and programs to prevent undernutrition. Effective Fall 2017

HNF 832  Advanced Clinical Nutrition
Spring of every year. 3(3-0) P: HNF 823 RB: Undergraduate course(s) in Medical Nutrition Therapy
Advanced topics in clinical nutrition. Effective Spring 2018

JAMES MADISON COLLEGE

MC 389  Religious Politics in U.S. Society: Left, Right, and Other
Spring of odd years. 4(3-0) P: ((MC 280 or SOC 100 or SOC 488) or approval of college) and completion of Tier I writing requirement
REINSTATEMENT Role of religion in politics and society, especially the role religion plays in political mobilization, and the nature of political diversity within U.S. religious traditions. Effective Fall 2017

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

LL 261  Advanced Less Commonly Taught Language I
Fall of every year. 4(4-0) A student may earn a maximum of 8 credits in all enrollments for this course. RB: Oral proficiency in the language learned in the home or in a bilingual school environment. R: Approval of department.
REINSTATEMENT Advanced-level language class specifically for the heritage language speaker who acquired oral proficiency in the language at home or in a bilingual school environment. Development of advanced level oral and aural skills, as well as academic competence in the written language and acquisition of the writing system. Effective Fall 2017
LL 262  Advanced Less Commonly Taught Language II  
Spring of every year. 4(4-0) A student may earn a maximum of 8 credits in all enrollments for this course. RB: Oral proficiency in the language learned in the home or in a bilingual school environment R: Approval of department.

REINSTATEMENT  Further advanced-level language study specifically for the heritage language speaker who acquired oral proficiency in the language at home or in a bilingual school environment. Development of near-native oral and aural skills, as well as native-like mastery of the written language and writing system. Effective Fall 2017

COLLEGE OF MUSIC

MUS 152E  Harp  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music. 
Private instruction in harp. Effective Spring 2018

MUS 352E  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. P: MUS 152E R: Open to students in the College of Music. 
Private instruction in harp. Effective Spring 2018

MUS 852E  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. Effective Spring 2018

PROGRAM IN NEUROSCIENCE

NEU 415  Neuroinformatics and Quantitative Reasoning  
Fall of every year. 3(3-0) P: ((NEU 301 and (NEU 302 or concurrently)) and completion of Tier I writing requirement) and (MTH 124 or MTH 132 or MTH 152H or LB 118) and (STT 201 or STT 231 or STT 421 or PSY 295) R: Open to undergraduate students in the Neuroscience Major or in the Lyman Briggs Neuroscience Coordinate Major. 
Quantitative reasoning and statistical methods for querying internet databases and understanding basic neuroscience models. Effective Fall 2017

COLLEGE OF NURSING

NUR 902  Scientific Foundations for the Advanced Practice Nurse  
Fall of every year. 3(3-0) R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major. 
Analysis and translation of knowledge gained from the natural and social sciences to inform practice and provide a foundation for the Advanced Practice Nurse role. Effective Fall 2018

NUR 903  Healthcare Informatics  
Fall of every year. 3(3-0) P: NUR 902 or concurrently R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major. 
Health information systems and technologies in relationship to the delivery of efficient, high quality healthcare. Effective Fall 2018
NUR 904  Health Policy and Advocacy  
Fall of every year. 3(3-0) P: NUR 902 or concurrently R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major. 
Interactions between economics, ethical principles, social policies, legislative and regulatory processes that influence access, delivery and organization of healthcare. 
Effective Fall 2018

NUR 905  Patient Safety, Quality Improvement and Quality Management in Healthcare  
Fall of every year. Spring of every year. 3(3-0) P: NUR 902 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major. 
Application and evaluation of quality improvement initiatives through the use of theories, models and outcome measurements. 
Effective Fall 2018

NUR 906  Leadership in Complex Health Systems  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: NUR 902 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major. 
Knowledge, skills and attributes required to assume leadership as an Advanced Practice Registered Nurse in complex health systems. 
Effective Fall 2018

NUR 907  Advanced Pathophysiology for the Advanced Practice Registered Nurse  
Fall of every year. 3(3-0) R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major. 
Advanced physiological and pathophysiological mechanisms of the body system to provide the Advanced Practice Registered Nurse a foundation for patient assessment, clinical decision making, and management. 
Effective Fall 2018

NUR 908  Advanced Physical Assessment for the Advanced Practice Registered Nurse  
Spring of every year. 3(2-3) R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major. 
Comprehensive assessment including history, physical and psychological assessment of signs and symptoms, pathophysiologic changes, and psychosocial variations of the patient. Specific assessment related to Nurse Anesthetist, Clinical Nurse Specialist and Nurse Practitioner practice will be a focus in the practical experience of students. 
Effective Fall 2018

NUR 909  Advanced Pharmacology for the Advanced Practice Registered Nurse  
Spring of every year. Summer of every year. 3(3-0) R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major. 
Application of pharmacotherapeutics for disease conditions including knowledge of pharmacokinetics, pharmacodynamics, pharmacogenetics, pharmacy and toxicology used to guide selection of interventions. 
Effective Fall 2018

NUR 912  Health Promotion – Family  
Spring of every year. Summer of every year. 3(3-0) P: NUR 907 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major. 
Integration of concepts, theories and principles of population health, health promotion and disease prevention at the advanced practice level across the lifespan. 
Effective Fall 2018

NUR 913  Health Promotion – Adult-Gerontology  
Spring of every year. Summer of every year. 3(3-0) P: NUR 907 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major. 
Integration of concepts, theories and principles of population health, health promotion and disease prevention at the advanced practice level for adults and older adults. 
Effective Fall 2018
NUR 915  Clinical Diagnosis and Management I - Family
Fall of every year. 6(3-9) P: NUR 912 and NUR 907 and NUR 908 and NUR 909 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Integration of health assessment and diagnostic testing to formulate differential diagnoses for common health conditions/problems across the lifespan.
Effective Fall 2018

NUR 916  Clinical Diagnosis and Management II – Family
Spring of every year. 6(3-9) P: NUR 915 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Integration of assessment and intervention strategies for health promotion and common problems in the clinical setting across the lifespan.
Effective Fall 2018

NUR 917  Clinical Diagnosis and Management III – Family
Summer of every year. 6(3-9) P: NUR 916 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Principles and management strategies used to construct personalized care plans for individuals including diverse and at risk populations across the lifespan.
Effective Fall 2018

NUR 918  Clinical Diagnosis and Management IV – Family
Fall of every year. 6(2-12) P: NUR 917 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Integrates evidence-based strategies to deliver collaborative primary care practice across the wellness/illness continuum with patients across the lifespan.
Effective Fall 2018

NUR 919  Clinical Diagnosis and Management V- Clinical Immersion – Family
Spring of every year. 6(2-12) P: NUR 918 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Evidence-based management of chronic stable and complex problems within collaborative practice in complex health systems across the lifespan.
Effective Fall 2018

NUR 925  Clinical Diagnosis and Management I – Adult-Gerontology
Fall of every year. 6(3-9) P: NUR 908 and NUR 909 and NUR 913 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Integration of health assessment and diagnostic testing to formulate differential diagnoses for common health conditions/problems in adults and older adults
Effective Fall 2018

NUR 926  Clinical Diagnosis and Management II – Adult-Gerontology
Spring of every year. 6(3-9) P: NUR 925 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Integration of assessment and intervention strategies for health promotion and common problems in the clinical setting for adults and older adults.
Effective Fall 2018

NUR 927  Clinical Diagnosis and Management III – Adult-Gerontology
Summer of every year. 6(3-9) P: NUR 926 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Principles and management strategies used to construct personalized care plans for individuals including diverse and at risk populations with adults and older adults
Effective Fall 2018

NUR 928  Clinical Diagnosis and Management IV – Adult-Gerontology
Fall of every year. 6(2-12) P: NUR 927 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Integrates evidence-based strategies to deliver collaborative primary care practice across the wellness/illness continuum for adults and older adults.
Effective Fall 2018
PART II – NEW COURSES

NUR 929  Clinical Diagnosis and Management V - Clinical Immersion – Adult-Gerontology
Spring of every year. 6(2-12) P: NUR 928 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
   Evidence-based management of chronic stable and complex problems within collaborative practice in complex health systems with adults and older adults
   Effective Fall 2018

NUR 931  Wellness Promotion for Diverse Populations
Spring of every year. 3(3-0) P: NUR 907 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
   Introduction to the Clinical Nurse Specialist's role and responsibilities with emphasis on population health, promotion of wellness, and disease prevention.
   Effective Fall 2018

NUR 932  Clinical Decision Making and Management of Acute Chronic Complex Conditions
Summer of every year. 6(3-9) P: NUR 902 and NUR 908 and NUR 931 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
   Clinical Nurse Specialist role in direct care incorporating a patient centered holistic approach in evidence-based management of healthcare.
   Effective Fall 2018

NUR 933  Clinical Nurse Specialist Advanced Practice Role Development I
Fall of every year. 6(3-9) P: NUR 909 and NUR 932 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
   Role development of the Clinical Nurse Specialist as an applied nurse scientist, expert in nursing practice and professional leader.
   Effective Fall 2018

NUR 934  Clinical Nurse Specialist Advanced Practice Role Development II
Spring of every year. 6(3-9) P: NUR 905 and NUR 933 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
   Role development of the Clinical Nurse Specialist expert in nursing practice, staff development, and quality improvement.
   Effective Fall 2018

NUR 935  Clinical Nurse Specialist Advanced Practice Role Development III
Summer of every year. 6(3-9) P: NUR 934 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
   Developing, leading and participating in the elements of process/quality improvement using principles of improvement science.
   Effective Fall 2018

NUR 936  Clinical Nurse Specialist Specialty Role Immersion I
Fall of every year. 3(0-9) P: NUR 935 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
   Clinical application of the essential knowledge, skills, and values associated with the student-selected specialized practice role of the Clinical Nurse Specialist.
   Effective Fall 2018

NUR 937  Clinical Nurse Specialist Specialty Role Immersion II
Spring of every year. 3(0-9) P: NUR 936 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
   Continuation of NUR 936. Capstone.
   Effective Fall 2018

NUR 966  Applied Chemical and Physical Principles of Anesthesia Practice
Fall of every year. 3(3-0) R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
   Combined coverage of chemical and physical principles and their applied relationship to nurse anesthesia practice.
   Effective Fall 2018
PART II – NEW COURSES

NUR 967  Basic Principles of Anesthesia
        Summer of every year. 4(4-0) R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
        Fundamental anesthesia principles that underpin the development and implementation of a safe anesthetic plan.
        Effective Fall 2018

NUR 968  Advanced Physiology and Pathophysiology for Anesthesia Practice I
        Spring of every year. 4(4-0) R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
        Physiological basis of cellular and tissue functions and the consequences of their dysregulation on essential homeostatic processes in cells, compartments and primary organ systems.
        Effective Fall 2018

NUR 969  Advanced Physiology and Pathophysiology for Anesthesia Practice II
        Summer of every year. 4(4-0) P: NUR 968 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
        In-depth study of human physiology and pathophysiology using a systems approach.
        Emphasis is placed on those physiologic and pathophysiologic alterations that affect homeostasis in humans across the life span.
        Effective Fall 2018

NUR 970  Pharmacology for Nurse Anesthesia I
        Summer of every year. 3(3-0) P: NUR 909 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
        Basic science of pharmacology used in anesthesia practice.
        Effective Fall 2018

NUR 971  Pharmacology for Nurse Anesthesia II
        Fall of every year. 3(3-0) P: NUR 970 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
        Advanced principles of anesthesia and pharmacology and the synthesis of these concepts into a safe, cost-effective, patient-specific delivery plan.
        Effective Fall 2018

NUR 972  Advanced Principles of Anesthesia I
        Fall of every year. 3(3-0) P: NUR 967 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
        Anesthetic delivery to patients with increasing co-morbidities and complex anesthesia needs. Advanced airway management, regional anesthesia and chronic pain management.
        Effective Fall 2018

NUR 973  Advanced Principles of Anesthesia II
        Spring of every year. 3(3-0) P: NUR 972 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
        Advanced concepts related to nurse anesthesia practice including management of pediatric, obstetric, neurologic, trauma, vascular and cardiothoracic procedures
        Effective Fall 2018

NUR 974  Introduction to Clinical Practicum
        Summer of every year. 1(0-8) R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major. C: NUR 967 concurrently.
        Application of basic anesthesia cognitive, affective and psychomotor skills in a simulated environment
        Request the use of the Pass-No Grade (P-N) system.
        Effective Fall 2018
NUR 975  Clinical Anesthesia Practicum I  
Fall of every year. 2(0-16) P: NUR 974 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Integration of theory with practice in a clinical and simulated setting with emphasis on basic principles of anesthesia and professional standards of practice for the certified registered nurse anesthetist.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

NUR 976  Clinical Anesthesia Practicum II  
Spring of every year. 3(0-24) P: NUR 975 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Supervised instruction in the clinical management of patients receiving all types of anesthesia in a variety of clinical settings.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

NUR 977  Clinical Anesthesia Practicum III  
Summer of every year. 3(0-24) P: NUR 976 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Supervised instruction in the clinical management of medically complex patients undergoing surgical and diagnostic procedures.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

NUR 978  Clinical Anesthesia Practicum IV  
Fall of every year. 4(0-32) P: NUR 977 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Supervised instruction in the perioperative clinical site. Development of advance skills with an emphasis on specialty areas such as cardiovascular, neurosurgical, trauma, obstetrics and pediatrics.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

NUR 979  Clinical Anesthesia Practicum V  
Spring of every year. 4(0-32) P: NUR 978 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Supervised clinical practicum for patients undergoing complex surgical procedures using the entire spectrum of anesthesia practice.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

NUR 980  Clinical Anesthesia Practicum VI  
Summer of every year. 4(0-32) P: NUR 979 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Supervised clinical practicum on professional aspects of nurse anesthesia and team leadership
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

NUR 981  Anesthesia Seminar I  
Spring of every year. 3(3-0) P: NUR 979 or concurrently R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Professional aspects related nurse anesthesia practice. Focus on historical perspectives, professional role, anesthesia business practices and professional wellness.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018
NUR 982  Anesthesia Seminar II  
Summer of every year. 3(3-0) P: NUR 981 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
A comprehensive review and synthesis of anatomy, chemistry, physics, pharmacology, physiology and pathophysiology and principles of anesthesia in preparation for the national certification exam.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

NUR 995  Doctor of Nursing Practice Project I  
Summer of every year. 4(2-4) P: (NUR 902 and NUR 903 and NUR 905 and EPI 810) and (NUR 916 or NUR 926 or NUR 934 or NUR 976) R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Introduction of the scholarly practice project for the advanced practice nurse.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

NUR 996  Doctor of Nursing Practice Project II  
Fall of every year. 3(0-6) P: NUR 904 and NUR 906 and NUR 995 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Implementation of the scholarly practice project for the advanced practice nurse.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

NUR 997  Doctor of Nursing Practice Project III  
Spring of every year. 3(0-6) P: NUR 996 R: Open to graduate students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Evaluation and dissemination of the scholarly practice project for the advanced practice nurse.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

**SCHOOL OF PLANNING, DESIGN AND CONSTRUCTION**

CMP 828  Advanced Virtual Design and Construction  
Fall of every year. 3(2-2) RB: Computer application background in architecture, civil and construction engineering R: Open to graduate students in the School of Planning, Design and Construction or approval of department.
Advanced mechanisms, applications, and practices of virtual design and construction (VDC) in the construction management using Building Information Modeling (BIM) technology.
Effective Summer 2017

**DEPARTMENT OF PLANT BIOLOGY**

PLB 815  Molecular Plant Sciences Seminar  
Fall of every year. Spring of every year. 1(1-0) A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.
Critical analysis of current literature based on student presentations.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018

PLB 866  Molecular Plant Physiology  
Spring of every year. 3(3-0) Interdepartmental with Biochemistry and Molecular Biology. RB: Enrolled in a graduate program in plant molecular science. An advanced undergraduate course in biochemistry or plant physiology.
Molecular basis of the physiology of plants including photosynthesis, respiration, primary metabolism, water relations, and nutrition. Quantitative and systems approaches are emphasized.
Effective Fall 2017
DEPARTMENT OF ROMANCE AND CLASSICAL STUDIES

ITL 400  Reading Italian
Summer of odd years. 3(3-0) R: Open to graduate students or approval of department.
REINSTATEMENT Intensive study of Italian for students in need of reading knowledge of the language for
their disciplines.
Effective Fall 2017

DEPARTMENT OF SUPPLY CHAIN MANAGEMENT

SCM 860  Procurement Contracting
Fall of every year. Spring of every year. 1(1-0) P: SCM 825 or concurrently R: Open to graduate
students in the Department of Supply Chain Management or approval of department.
Workshop in procurement contracting including terms and conditions, legal terms and
conditions, and contracting negotiation
Effective Fall 2017

SCM 861  Customs, Compliance and Security
Fall of every year. Spring of every year. 1(1-0) R: Open to graduate students in the Department of
Supply Chain Management or approval of department.
Workshop in customs including the role of customs and border protection, supply security
programs, export programs and tariffs, brokers, and trusted traders.
Effective Fall 2017

SCM 910  Supply Chain Theory
Fall of odd years. 3(3-0) R: Open to doctoral students in the Department of Supply Chain
Management or approval of department.
Seminar in supply chain theory, history and development.
Effective Fall 2017

DEPARTMENT OF WRITING, RHETORIC AND AMERICAN CULTURES

WRA 889  Writing Center Theory and Administration
Spring of odd years. 3(3-0) A student may earn a maximum of 3 credits in all enrollments for this
course. R: Approval of department.
Examination of theoretical and practical components of writing center work. Theories of
writing, culture, education, and administration shaping writing center theory, practice, and
administration.
Effective Fall 2018
PART III – COURSE CHANGES

DEPARTMENT OF ACCOUNTING AND INFORMATION SYSTEMS

ITM 912  Information Technology  Transactional Perspectives
Spring of even years. 3(3-0) Interdepartmental with Telecommunication, Interdepartmental with Media and Information
RB: Graduate level microeconomics course R: Open to doctoral students.
Multiple perspectives on relationships between organizations and information technology. Information processing, communications and management strategy approaches. Economic perspectives. Effective Summer 2008 Effective Summer 2017

DEPARTMENT OF AGRICULTURAL, FOOD AND RESOURCE ECONOMICS

EEP 405
EEM 405  Corporate Environmental Management (W)
Spring of every year. 3(3-0) Interdepartmental with Agribusiness Management and Food Industry Management. P: (EEP 255 and EC 201) and ((MGT 315 or MGT 325) and completion of Tier I writing requirement) P: EEM 255 and (ACC 201 or ACC 230 or ABM 130) and ABM 203 and (ABM 303 or EC 301) or approval of department and completion of Tier I writing requirement) R: Open to juniors or seniors.
Integration of environmental protection and pollution prevention with business management. Economic and strategic analysis of environmental protection. Effective Fall 2015 Effective Fall 2016

DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

BMB 864  Plant Biochemistry
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Plant Biology. P: BMB 461 or BMB 462 or (PLB 866 or concurrently) RB: (BMB 401 or BMB 462) and prior undergraduate course in plant physiology. RB: Enrolled in a graduate program related to plant molecular sciences. Biochemistry unique to photosynthetic organisms. Photosynthetic and respiratory electron transport, nitrogen fixation, carbon dioxide fixation, lipid metabolism, carbon partitioning, cell walls, sulfur and nitrogen metabolism and specialized metabolism including isoprenoids, phenylpropanoids and alkaloids. Specialized metabolism unique to photosynthetic organisms including aspects of nitrogen and sulfate assimilation and essential amino acid synthesis relevant to specialized metabolism. Vitamin synthesis, mono-, di-, tri- and tetra-terpenoid synthesis, synthesis of phenylpropanoids and other aromatic compounds and synthesis of various alkaloids.
SA: BCH 864 Effective Fall 2013 Effective Summer 2018

DEPARTMENT OF BIOMEDICAL ENGINEERING

BME 899  Master's Thesis Research
Fall of every year. Spring of every year. Summer of every year. 1 to 8 credits. A student may earn a maximum of 24 credits in all enrollments for this course. Master's thesis research. Effective Fall 2016 Effective Summer 2017

BME 999  Doctoral Dissertation Research
Fall of every year. Spring of every year. Summer of every year. 1 to 36 credits. A student may earn a maximum of 36 credits in all enrollments for this course. Doctoral dissertation research. Request the use of the Pass-No Grade (P-N) system. Effective Fall 2016 Effective Summer 2017
THE ELI BROAD COLLEGE OF BUSINESS

BUS 101  Freshman Seminar for College of Business Students
Fall of every year. 1(1-0) R: Open to freshmen in the Eli Broad College of Business and The Eli Broad Graduate School of Management. Approval of college. R: Open to freshmen in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of college.

Exploration of students’ interests. Interaction with business and academic professionals. Laying the foundation of skills and knowledge for success in business.

Effective Spring 2013 Effective Fall 2018

CMBA 850 Special Topics in Accounting and Information Systems
Spring of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. P: (CMBA 803 or concurrently) and (CMBA 810 or concurrently) R: Open to students in the Master of Business Administration in Corporate MBA Program.

Current and emerging issues in accounting, auditing, accounting control systems, and other accounting areas to supplement and enrich existing courses. Current and emerging issues in information systems and information technologies.

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.

DELETE COURSE
Effective Spring 2018

CMBA 851 Special Topics in Finance
Spring of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the Master of Business Administration in Corporate MBA Program.

Current and emerging issues in corporate finance, investments, and financial modelling to supplement and enrich existing courses.

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.

DELETE COURSE
Effective Spring 2018

CMBA 852 Special Topics in Management
Fall of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the Master of Business Administration in Corporate MBA Program.

In depth analysis of topics in management including organizational behavior, organizational theory, human resources, and strategic management that may not otherwise be covered in the curriculum.

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.

DELETE COURSE
Effective Spring 2018

CMBA 853 Special Topics in Marketing
Spring of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the Master of Business Administration in Corporate MBA Program.

Current and emerging issues in marketing, market development, and brand strategies to enrich and supplement existing courses

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.

DELETE COURSE
Effective Spring 2018
CMBA 854  Special Topics in Supply Chain Management  
Spring of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the Master of Business Administration in Corporate MBA Program.  
Current and emerging issues in supply chain management, including new technologies relevant to logistics, procurement, and operations. 
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.  
DELETE COURSE  
Effective Spring 2018

DEPARTMENT OF COMMUNICATION

COM 391  Topics in Verbal, Intercultural, or Gender Communication  
Fall of every year. Spring of every year. 4(4-0) A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to undergraduate students 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 College of Education.  
Verbal interaction, cultural diversity or gender communication.  
DELETE COURSE  
Effective Summer 2017

COM 399  Special Topics in Communication  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: COM 300 R: Open to 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 College of Education.  
Contemporary issues in communication.  
Effective Fall 2015  
Effective Summer 2018

COM 493  Internship  
Fall of every year. Spring of every year. Summer of every year. 1 to 7 credits. 1 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: (COM 240) and (COM 225 or COM 275) R: Open to sophomores or juniors or seniors in the Communication Major.  Approval of department; application required.  
Supervised practical experience in a professional environment.  
Request the use of the Pass-No Grade (P-N) system.  
Effective Fall 2015  
Effective Summer 2018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CSE 845  Multi-disciplinary Research Methods for the Study of Evolution  
Spring of every year. 3(3-0) Interdepartmental with Microbiology and Molecular Genetics and Zoology. Interdepartmental with Integrative Biology and Microbiology and Molecular Genetics. Techniques for engaging in multi-disciplinary research collaborations, including biology, computer science, and engineering. Students engage in group projects to answer fundamental questions about the dynamics of actively evolving systems including both natural and computational. Multi-disciplinary teams will learn to overcome discipline-specific language and conceptual issues. Experimental design, statistical analysis, data visualization, and paper and grant writing for multi-disciplinary audiences.  
Effective Fall 2012  
Effective Summer 2018
DEPARTMENT OF ENGLISH

ENG 302  Introduction to English Language Studies
Fall of every year. Spring of every year. 3(4-0) P: Completion of Tier I Writing Requirement. P: Completion of Tier I Writing Requirement. R: Open to students in the Department of English or in the English Major. R: Open to undergraduate students in the English Major or in the English Secondary Teaching Major or in English Disciplinary Teaching Minor or in Language Arts Elementary Teaching Major.
Acquisition of oral and written English. English dialects and styles. Minority dialects and Standard English. Reading and writing English.
Effective Spring 2014 Effective Fall 2017

ENG 352  Readings in Asian or Asian American Literature
Readings in Asian/Asian American/Asian Diaspora Literature and Visual Culture
Spring of every year. 3(3-0) Interdepartmental with Asian Languages. A student may earn a maximum of 6 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement. P: Completion of Tier I Writing Requirement. RB: 3 credits of literature. R: Not open to freshmen.
Extensive reading in writings by Americans of Asian descent or by Asians in English or English translation. Attention to artistic, historical, and cultural contexts. Extensive reading of texts by Americans of Asian descent or by Asians in English or English translation. Attention to artistic, historical, and cultural contexts.
SA: ENG 361
Effective Spring 2014 Effective Summer 2018

DEPARTMENT OF EPIDEMIOLOGY AND BIOSTATISTICS

EPI 816  Perinatal Epidemiology
Fall of every year. Spring of even years. 3(3-0) RB: EPI 810 R: Open to graduate students in the Department of Epidemiology and Biostatistics or approval of department.
Epidemiology of adverse health states in pregnancy and the puerperium. Impact of these health states on subsequent child development.
SA: HM 816
Effective Fall 2014 Effective Spring 2018

EPI 819  Spatial Epidemiology and Medical Geography
Spring of every year. 3(3-0) Interdepartmental with Geography. P: EPI 810 or GEO 435 P: EPI 810 or GEO 865 R: Open to graduate students in the Department of Epidemiology and Biostatistics or in the Department of Geography or approval of department.
Concepts, techniques, and utilization of spatio-epidemiologic analyses for human health.
SA: HM 819
Effective Fall 2014 Effective Spring 2018

EPI 836  Practicum in Epidemiological Methods
Fall of every year. 3(3-0) P: EPI 812 and (EPI 826 or concurrently) P: (EPI 812 or concurrently) and (EPI 826 or concurrently) R: Open to graduate students in the Department of Epidemiology and Biostatistics or approval of department.
Data management, analysis, interpretation and presentations using public data sets.
Effective Fall 2015 Effective Spring 2018

DEPARTMENT OF FINANCE

FI 444  Entrepreneurial Finance
Spring of every year. 3(3-0) P: FI 311 and (MGT 362 or MKT 355) P: FI 311 or FI 320 R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management. R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and open to juniors or seniors in the Entrepreneurship and Innovation Minor. Approval of department; application required.
Effective Spring 2014 Effective Spring 2018
FI 455  Computer Applications in Financial Modeling
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: (FI 312 or FI 321) and (MKT 317 or STT 422 or STT 442) P: FI 311 and (FI 312 or concurrently) R: Open to students in the Finance major.
Development of computer spreadsheet-based models to analyze corporate financial strategies and valuation issues.
Effective Spring 2013 Effective Fall 2018

DEPARTMENT OF FOOD SCIENCE AND HUMAN NUTRITION

FSC 342  Food Safety and Hazard Analysis Critical Control Point Program
Fall of every year. 3(3-0) RB: ((FSC 211 or concurrently) or (HNF 150 or concurrently) or (HNF 260 or concurrently)) or a prior or concurrent basic course in microbiology, chemistry or biological sciences. RB: ((FSC 211 or concurrently) or (HNF 150 or concurrently)) or a prior or concurrent basic course in microbiology, chemistry or biological sciences.
Sources of microbiological, chemical and physical hazards; minimizing microbial growth and survival; good manufacturing, cleaning and sanitation practices; Hazard Analysis Critical Control Point Programs in food processing and food service.
SA: FSC 442
Effective Fall 2014 Effective Fall 2017

FSC 430  Food Processing: Fruits and Vegetables
Fall of every year. 3(2-3) P: FSC 325 P: (FSC 211) and (FSC 325 or BE 350) R: Not open to freshmen or sophomores.
Fruit and vegetable composition and quality indices. Harvest technology, post-harvest physiology, and preparatory systems. Principles and applications of thermal processing, freezing, and specialized techniques.
SA: FSC 330
Effective Fall 2017 Effective Fall 2018

FSC 431  Food Processing: Cereals
Spring of every year. 3(2-3) P: FSC 325 P: (FSC 211) and (FSC 325 or BE 350) R: Not open to freshmen or sophomores.
SA: FSC 331
Effective Fall 2017 Effective Fall 2018

FSC 432  Food Processing: Dairy Foods
Fall of every year. 3(2-3) P: FSC 325 P: (FSC 211) and (FSC 325 or BE 350) R: Not open to freshmen or sophomores.
Principles for production and processing of safe and wholesome dairy foods. Practical experience in safety and quality assurance systems and in the processing of fluid milk, cultured products, cheese, and frozen desserts.
SA: FSC 332
Effective Fall 2017 Effective Fall 2018

FSC 433  Food Processing: Muscle Foods
Spring of every year. 3(2-3) Interdepartmental with Animal Science. P: FSC 325 P: (FSC 211) and (FSC 325 or BE 350) R: Not open to freshmen or sophomores.
Manufacturing practices and principles of fresh, frozen, and cured meats and fish. Processed products from muscle foods. Product formulation and quality control.
SA: FSC 333
Effective Fall 2017 Effective Fall 2018

FSC 440  Food Microbiology
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Microbiology and Molecular Genetics. P: (MMG 201 or MMG 301) and completion of Tier I writing requirement. R: Not open to freshmen.
Major groups of microorganisms of importance to the food industry. Ecological, physiological, and public health aspects.
Effective Fall 2014 Effective Fall 2017
FSC 442  Hazard Analysis Critical Control Point Training and Certification
Fall of every year. 1(1-0) P: (FSC 325) and (FSC 440 or concurrently) P: (FSC 325) and (MMG 301 or concurrently) RB: Advanced course work in food science RB: FSC 440 R: Open to juniors or seniors.
Design and implementation of Hazard Analysis Critical Control Point (HACCP) programs for the food industry. Offered second half of semester.
Effective Fall 2017 Effective Fall 2018

FSC 470  Integrated Approaches to Food Product Development
Spring of every year. 3(2-3) P: (FSC 401 and FSC 410) and (FSC 440 or concurrently) P: FSC 310 and FSC 401 and FSC 440 RB: FSC 325 R: Open to seniors or graduate students.
Food product development including obtaining, screening, and selecting ideas. Integration of food processing, chemistry, analysis, and microbiology for the design, production, and evaluation of a food product.
Effective Fall 2014 Effective Spring 2018

HNF 250  Contemporary Issues in Human Nutrition
Fall of every year. 2(1-2) 3(2-2) P: (HNF 150) and completion of Tier I writing requirement R: Open to students in the Nutritional Sciences Major or in the Lyman Briggs Nutritional Sciences Coordinate Major.
Effective Fall 2016 Effective Fall 2018

HNF 320  Professional Practice of Dietetics and Nutrition
Spring of every year. 3(4-0) P: HNF 150 or HNF 260 P: HNF 150 R: Open to sophomores or juniors or seniors in the Dietetics Major.
Scope of the profession of dietetics. Foundation knowledge and skills for dietetics. Food patterns for health and disease management.
SA: HNF 220
Effective Fall 2014 Effective Fall 2017

HNF 375  Community Nutrition
Fall of every year. Summer of every year. 3(3-0) P: HNF 150 or HNF 260 P: HNF 150 R: Open to sophomores or juniors or seniors.
Guidelines for dietary and anthropometric components of nutritional status, including health surveys. Agencies and programs that address food and nutritional needs of target populations throughout the life cycle.
Effective Fall 2014 Effective Fall 2017

HNF 406  Global Foods and Culture
Spring of every year. 3(3-0) P: (HNF 150 or concurrently) or (HNF 260 or concurrently) P: HNF 150 or concurrently RB: ISS course or concurrently. R: Open to juniors or seniors.
Effective Fall 2014 Effective Fall 2017

HNF 440  Foodservice Operations
Fall of every year. 3(3-0) P: (HNF 150 or HNF 260) and (FSC 342 or concurrently) P: HNF 150 R: Open to juniors or seniors in the Dietetics Major.
Principles, processes and control strategies in foodservice operations. Menu planning, procurement, and on-premise storage and issuance. Purchasing, ethics, production, safety and sanitation.
Effective Fall 2014 Effective Fall 2017

HNF 450  Nutrition in the Prevention and Treatment of Disease
Spring of every year. 4(4-0) 3(4-0) P: (HNF 250 and HNF 350) and completion of Tier I writing requirement
Nutrition and its relationship to health and disease using a basic research approach.
SA: HNF 464
Effective Spring 2017 Effective Spring 2019
HNF 456  Eating Disorders
Summer of every year, On Demand. 3(3-0)  P: HNF 150 or HNF 260  P: HNF 150
Treatment and prevention of anorexia nervosa, bulimia nervosa, and other eating
disorders.
Effective Fall 2014  Effective Fall 2017

HNF 457  Sports and Cardiovascular Nutrition
Spring of every year. 3(3-0)  Interdepartmental with Kinesiology.  P: (HNF 150 or HNF 260) and
(PSL 250 or PSL 310 or PSL 431) and (BMB 200 or BMB 401 or BMB 461 or KIN 310)  P: (HNF
150) and (PSL 250 or PSL 310 or PSL 431) and (BMB 200 or BMB 401 or BMB 461 or KIN 310)
Nutrition for optimizing sport training, recovery, and performance; power, intermittent, and
endurance sports.  Role of nutrition, physical activity and exercise on cardiovascular and
overall health.
Effective Fall 2014  Effective Fall 2017

HNF 491  Topics in Human Nutrition
Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. A student may earn a
maximum of 10 credits in all enrollments for this course.  P: HNF 150 or HNF 260  P: HNF 150
Selected topics of current interest in human nutrition.
Effective Spring 2012  Effective Fall 2017

HNF 824  Nutrition Policies and Programs
Fall of every year. Fall of even years. 1(2-0)  P: HNF 150 or HNF 260  or approval of department
RB: prior course work in nutrition
Overview of U.S. nutrition policies and programs, including case studies, development and
methods of evaluation.
Effective Fall 2013  Effective Fall 2017

COLLEGE OF HUMAN MEDICINE

HM 804  Public Health Administration
Public Health Policy and Administration
Spring of every year. 3(3-0)  RB: Academic or professional background in public health or public
health-related discipline, undergraduate level math or statistics course work.  P: Open to master's
students in the Public Health major or in the Public Health Specialization.  R: Open to master's
students in the Public Health Major.
Planning, organization, administration, management, evaluation and policy analysis of
public health. Legal and ethical considerations of public health. Structural, operational,
leadership and components of health policy and public health administration. Community
health assessment, advocacy and evaluation within public health agencies and programs.
Major business systems used for administration of public health agencies and programs.
Effective Spring 2009  Effective Summer 2018

HM 811  Public Health in the Middle East and North Africa
Summer of every year. 3(3-0)  RB: Academic or professional background in public health and/or
public health related discipline, experience with databases  R: Open to students in the Public Health
major or approval of college.
Introduction to public health in Middle East and North Africa; demography, disease
patterns, food security, water, climate change. Effects of social justice and governance
issues on public health such as health disparities, women/maternal and child health,
aging, natural disasters and geopolitical conflicts.
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.
DELETE COURSE
Effective Fall 2017
HM 821  Corporate Social Responsibility and Public Health: India
Fall of odd years. 3(3-0) RB: Academic or professional background in public health and/or public health related discipline, undergraduate level health-related discipline R: Open to juniors or seniors or graduate students. Approval of college.
Overview of the public health, healthcare systems and their connection to business in India. How business is impacted by public health and how public health is impacted by business. Based in Mumbai. Classroom learning and field experiences with key stakeholders from the political, business and health related fields.
DELETE COURSE
Effective Fall 2017

HM 867  Demography, Population Dynamics and Public Health
Spring of even years. 3(3-0) RB: Academic or professional background in public health or public health related discipline, experience with databases RB: Academic or professional background in public health or public health related discipline R: Open to students in the Public Health Major or approval of college.
Methods and concepts in the study of population change. Analytical approaches for analyzing and interpreting population changes. Applications in planning, policy making and administration. Methods and concepts in the study of population change. Approaches for analyzing and interpreting population changes. Applications for public health planning, policy, programs, administration and evaluation.
Effective Spring 2013 Effective Spring 2018

CENTER FOR INTEGRATIVE STUDIES IN ARTS AND HUMANITIES

IAH 211A  Area Studies and Multicultural Civilizations: Africa (I)
Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)
Arts and humanities of Africa: literature, art, music, religion and philosophy presented in historical context. Selected regions, cultures, and themes. Variable by term.
Effective Fall 2016 Effective Fall 2017

IAH 211B  Area Studies and Multicultural Civilizations: Asia (I)
Fall of every year. Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)
Arts and humanities of Asia: literature, visual arts, music, religion and philosophy presented in historical context. Selected regions, cultures, and themes. Variable by term.
Effective Fall 2016 Effective Fall 2017

IAH 211C  Area Studies and Multicultural Civilizations: The Americas (D)
Fall of every year. Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)
Arts and humanities of the Americas: literature, visual arts, music, religion and philosophy presented in historical context. Selected regions, cultures, and themes. Variable by term.
Effective Fall 2016 Effective Fall 2017
IAH 211D  Area Studies and Multicultural Civilizations: The Middle East (I)
Fall of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)
Arts and humanities of the Middle East: literature, visual arts, music, religion and philosophy presented in historical context. Themes variable by term.
Effective Fall 2015 Effective Fall 2017

IAH 221A  Great Ages: The Ancient World (I)
Fall of every year. Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)
Arts and humanities of the ancient world examined through the frame of urban and intellectual life. Literature, visual arts, music, religion and philosophy presented in historical context. Selected regions and themes. Variable by term.
Effective Fall 2015 Effective Fall 2017

IAH 221B  Great Ages: The Medieval and Early Modern Worlds (I)
Fall of odd years. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)
Arts and humanities of the medieval and early modern worlds: literature, visual arts, music, religion and philosophy presented in historical context. Selected themes. Variable by term.
Effective Fall 2015 Effective Fall 2017

IAH 221C  Great Ages: The Modern World (I)
Fall of every year. Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)
Arts and humanities of the modern world, examined through the frame of urban and intellectual life. Literature, visual arts, music, religion and philosophy presented in historical context. Selected regions and themes. Variable by term.
Effective Fall 2015 Effective Fall 2017

IAH 231A  Themes and Issues: Human Values and the Arts and Humanities (D)
Fall of every year. Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)
Values of individualism, responsibility, love, community, and rationality. Students are introduced to diverse methods and materials from the arts and humanities.
Effective Fall 2015 Effective Fall 2017

IAH 231B  Themes and Issues: Moral Issues and the Arts and Humanities (D)
Fall of every year. Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)
Human conflict and moral dilemmas, addressed through diverse methods and materials from the arts and humanities.
Effective Fall 2015 Effective Fall 2017
IAH 231C  Themes and Issues: Roles of Language in Society (D)  
Fall of every year. Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)  
Language as the medium of culture in various societies. Power and social identity as manifested through language. Students are introduced to diverse methods and materials from the arts and humanities.  
Effective Fall 2015 Effective Fall 2017

IAH 241A  Creative Arts and Humanities: Music and Society in the Modern World (D)  
Fall of even years. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)  
The arts and humanities of the modern world through the prism of music. Music traditions and methodologies in their historic context. Relationship of music creativity to societies in which it has been produced.  
Effective Fall 2015 Effective Fall 2017

IAH 241B  Creative Arts and Humanities: Philosophy in Literature (D)  
Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)  
Philosophy and literature, relationships to each other and to societies in which they were produced. Themes such as the meaning of life, God and the problem of evil, and the nature of knowledge. Authors such as Voltaire, Dostoevsky, Wright, and Atwood examined from a variety of perspectives.  
Effective Fall 2015 Effective Fall 2017

IAH 241C  Creative Arts and Humanities: Cultural and Artistic Traditions of Europe (I)  
Fall of every year. Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)  
European artistic and cultural movements and styles, introduced through works of art, music, literature, philosophy, and religion. Presented in historical context. Specific eras and works variable by term.  
Effective Fall 2015 Effective Fall 2017

IAH 241D  Creative Arts and Humanities: Theater and Society in the West (I)  
Spring of every year. 4(4-0) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)  
Artistic creativity seen through the prism of theater, presented in historical context. Influences from art, literature, music, and religion. Focus on translation of social visions into dramatic art. Plays and themes variable by term.  
Effective Fall 2015 Effective Fall 2017
IAH 241E  Creative Arts and Humanities: The Creative Process (D)  
Spring of even years. 4(4-0) R: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)  
Philosophical, religious and historical foundations for understanding the process of creation in visual arts, theatre, music, and literature. Variations across eras and societies.  
**Effective Fall 2015**  
**Effective Fall 2017**

IAH 241F  Creative Arts and Humanities: Traditions in World Art (I)  
Fall of every year. 4(4-0) R: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)  
Aesthetic qualities of painting, sculpture, and architecture within historical contexts across major civilizations. Visual forms in relation to belief systems and musical and literary traditions.  
**Effective Fall 2015**  
**Effective Fall 2017**

IAH 241G  Creative Arts and Humanities: Film and Culture (D)  
Fall of every year. Spring of every year. Summer of every year. 4(2-3) R: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) P: (IAH 201 or IAH 202 or IAH 203 or IAH 204 or IAH 205 or IAH 206 or IAH 207 or IAH 208 or IAH 209 or IAH 210) or (RCAH 202 and completion of Tier I writing requirement) or (AL 210 and completion of Tier I writing requirement) or (AL 110 and AL 210)  
The arts and humanities through the prism of film. Integration of perspectives from literature, visual arts, music, religion, philosophy. Introduction to diverse methods and materials from the arts and humanities for thinking about film and how it engages various perspectives from around the world. Selected themes. Variable by term.  
**Effective Spring 2017**  
**Effective Fall 2017**

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**DEPARTMENT OF KINESIOLOGY**

KIN 108W  Wheelchair Basketball I
Wheelchair Sports  
Fall of every year. Spring of every year. 1(0-2) R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in KIN 101-108 and KIN 111-118.  
Fundamental wheelchair basketball skills. Team offensive and defensive concepts and strategies. Fundamental wheelchair sport skills. Team offensive and defensive concepts and strategies in a variety of wheelchair-based sports.  
Request the use of the Pass-No Grade (P-N) system.  
**Effective Spring 2014**  
**Effective Summer 2018**

KIN 216  Applied Human Anatomy  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to undergraduate students in the Athletic Training Major or in the Kinesiology major or in the Coaching Minor.  
Structural anatomy of the human body. Interrelationships of structure, function, and human movement.  
SA: PES 216  
**Effective Spring 2017**  
**Effective Spring 2018**

KIN 300D  Coaching Basketball  
Fall of every year. 2(2-0) 2(1-2) RB: Working knowledge of the sport of basketball. R: Not open to freshmen.  
SA: PES 300D  
**Effective Spring 2014**  
**Effective Spring 2018**
PART III – COURSE CHANGES

KIN 300E  Coaching Football  
Fall of every year. 2(2-0) 2(1-2)  
RB: Working knowledge of the sport of football. R: Not open to freshmen.  
SA: PES 300E  
Effective Spring 2014  Effective Spring 2018

DEPARTMENT OF LARGE ANIMAL CLINICAL SCIENCES

LCS 628  Techniques in Equine Anesthesia and Surgery  
Fall of every year. Spring of every year. Summer of every year. 3 credits.  
P: ((LCS 616 or concurrently) and LCS 640) and (LCS 622 or LCS 615)  
P: (LCS 616 and LCS 622) or LCS 615  
RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.  
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 2013  Effective Fall 2017

LYMAN BRIGGS COLLEGE

LB 268  Introduction to Health Care Policy and Organization  
The Business of Medicine  
Summer of every year. 3(3-0)  
P: Completion of Tier I Writing Requirement  
Effective Summer 2015  Effective Summer 2018

LB 492  Senior Seminar  
Fall of every year. Spring of every year. Summer of every year. 4(4-0)  
P: ((LB 330 or LB 331 or LB 332 or LB 333 or LB 334 or LB 335 or LB 336 or LB 355 or LB 390E) or approval of college) and completion of Tier I writing requirement  
P: ((LB 321A or concurrently) or (LB 321B or concurrently) or (LB 322A or concurrently) or (LB 322B or concurrently) or (LB 323A or concurrently) or (LB 323B or concurrently) or (LB 324A or concurrently) or (LB 324B or concurrently) or (LB 325A or concurrently) or (LB 325B or concurrently) or (LB 326A or concurrently) or (LB 326B or concurrently) or (LB 327A or concurrently) or (LB 327B or concurrently))  
P: Open to juniors or seniors in the Lyman Briggs College or in the Science, Technology, Environment and Public Policy Specialization. R: Open to juniors or seniors in the Lyman Briggs College.  
Selected problems in the study of science and technology as human activities, using philosophical, historical, literary, social science or interdisciplinary perspectives or methods. Development and defense of thesis paper. Selected problems in the study of science and technology as human activities, using philosophical, historical, literary, social science or interdisciplinary perspectives or methods. Development and defense of thesis paper or project.  
SA: LBS 492  
Effective Spring 2014  Effective Fall 2017
DEPARTMENT OF MEDIA AND INFORMATION

MI 346
Game Design
Fall of every year. 3(2-2) P: MI 231 or CSE 334. P: CAS 117. R: Open to students in the Department of Media and Information or in the Department of Computer Science and Engineering or in the Game Design and Development Minor or in the Information and Communication Technology for Development Minor.
Analyze, critique, and design of non-digital and digital games. Overview of game industry. SA: TC 346. SA: TC 346, MI 346
Effective Fall 2016 Effective Summer 2018

MI 230
Game Design
Fall of every year. 3(2-2) P: MI 231 or CSE 334. P: CAS 117. R: Open to students in the Department of Media and Information or in the Department of Computer Science and Engineering or in the Game Design and Development Minor or in the Information and Communication Technology for Development Minor.
Analyze, critique, and design of non-digital and digital games. Overview of game industry. SA: TC 346. SA: TC 346, MI 346
Effective Fall 2016 Effective Summer 2018

MI 447
Three-Dimensional Graphics and Animation Portfolio (W)
Graphics and Animation Portfolio (W)
Fall of every year. 3(2-2) P: (MI 347 or MI 377) and Completion of Tier I Writing Requirement. P: (MI 327 or MI 347 or MI 377) and Completion of Tier I Writing Requirement. RB: MI 337. R: Open to seniors or graduate students in the Department of Media and Information.
Development of a portfolio of advanced three-dimensional models, animation, and technical art. This course is aimed at students seeking to become computer graphics professionals and want to learn to develop a portfolio and focus their skills on a specific profession or industry. Development of a portfolio of advanced three-dimensional models, animation, concept design, and technical art to focus skills on a specific profession or industry. SA: TC 447
Effective Fall 2016 Effective Summer 2018

COLLEGE OF MUSIC

MUS 162
Class Instruction in Flute and Saxophone
Fall of every year. Spring of every year. 1(0-2) R: Open to teaching students in the College of Music. R: Open to undergraduate students in the Music Education Major. Techniques for playing and teaching flute and saxophone. Effective Fall 2015 Effective Summer 2018

MUS 163
Class Instruction in Clarinet
Fall of every year. Spring of every year. 1(0-2) R: Open to teaching students in the College of Music. R: Open to undergraduate students in the Music Education Major. Techniques for playing and teaching clarinet. Effective Fall 2015 Effective Summer 2018

MUS 164
Class Instruction in Double Reed Instruments
Spring of every year. 1(0-2) R: Open to teaching students in the College of Music. R: Open to undergraduate students in the Music Education Major. Techniques for playing and teaching oboe and bassoon. Effective Fall 2015 Effective Summer 2018

MUS 165
Class Instruction in High Brass Instruments
Fall of every year. 1(0-2) R: Open to teaching students in the College of Music. R: Open to undergraduate students in the Music Education Major. Techniques for playing and teaching trumpet and horn. Effective Fall 2015 Effective Summer 2018

MUS 166
Class Instruction in Low Brass Instruments
Fall of every year. Spring of every year. 1(0-2) R: Open to teaching students in the College of Music. R: Open to undergraduate students in the Music Education Major. Techniques for playing and teaching trombone, euphonium, and tuba. Effective Fall 2015 Effective Summer 2018

MUS 171
Class Instruction in Stringed Instruments I
Fall of every year. 1(1-1) R: Open to students in the Music major. R: Open to students in the College of Music. Techniques for playing and teaching stringed instruments at the elementary level. Effective Fall 2015 Effective Summer 2018
MUS 335  Ensemble Conducting I
Fall of every year. 2(2-2) P: (MUS 281) R: Open to teaching students in the College of Music and open to students in the Bachelor of Music in Composition and Music Theory or in the Bachelor of Music in Music Therapy. R: Open to undergraduate students in the Music Education Major and open to undergraduate students in the Composition major.
Introduction to conducting and rehearsal techniques.
**Effective Fall 2015 Effective Summer 2018**

MUS 336A  Ensemble Conducting II: Instrumental
Spring of every year. 2(2-2) P: MUS 335 R: Open to teaching students in the College of Music or in the Bachelor of Music in Composition and Music Theory. R: Open to undergraduate students in the Music Education Major.
Advanced conducting and rehearsal techniques as applied to music literature from each of the stylistic periods.
SA: MUS 336
**Effective Fall 2015 Effective Summer 2018**

MUS 336B  Ensemble Conducting II: Choral
Spring of every year. 2(2-2) P: MUS 335 R: Open to teaching students in the College of Music or in the Bachelor of Music in Composition and Music Theory. R: Open to undergraduate students in the Music Education Major.
Advanced conducting and rehearsal techniques as applied to music literature from each of the stylistic periods.
SA: MUS 336
**Effective Fall 2015 Effective Summer 2018**

MUS 337  Conducting for Music Performance Majors
Spring of every year. 1(1-1) P: MUS 281 R: Open to students in the Bachelor of Music in Music Performance. R: Open to undergraduate students in the Music Performance Major and open to undergraduate students in the Composition major.
Beat patterns, clefs, and transpositions of string, wind, and percussion instruments. Score reading and analysis. Rehearsal techniques.
**Effective Fall 2015 Effective Summer 2018**

MUS 441  Introduction to Computer Music
Fall of every year. 3(3-0) P: MUS 281 or approval of college R: Open to freshmen or sophomores. R: Open to students in the College of Music or approval of college.
**Effective Fall 2015 Effective Summer 2018**

**PROGRAM IN NEUROSCIENCE**

NEU 839  Systems Neuroscience
Spring of every year. 4(4-0) Interdepartmental with Human Anatomy and Pharmacology and Toxicology and Physiology and Psychology and Zoology. Interdepartmental with Human Anatomy and Integrative Biology and Pharmacology and Toxicology and Physiology and Psychology R: Open only to graduate students in the Colleges of Human Medicine, Osteopathic Medicine, Agriculture and Natural Resources, Natural Science, Social Science, and Veterinary Medicine. R: Open to graduate students or human medicine students or osteopathic medicine students in the College of Natural Science or in the College of Agriculture and Natural Resources or in the College of Human Medicine or in the College of Osteopathic Medicine or in the College of Social Science or in the College of Veterinary Medicine.
Anatomy, pharmacology, and physiology of multicellular neural systems. Sensory, motor, autonomic, and chemo-regulatory systems in vertebrate brains.
SA: ANT 839
**Effective Fall 2003 Effective Summer 2018**
**COLLEGE OF NURSING**

**NUR 324**  
Health Promotion and Disease and Injury Prevention I  
Fall of every year. Spring of every year. Summer of every year. 3(2-3)  
P: HDFS 225 and HNF 260  
P: HDFS 225 and HNF 150  
C: NUR 205 concurrently and NUR 322 concurrently.  
Principles and practices of health education, health promotion/behavior change, and health literacy through understanding epidemiology, determinants of health, and protective and predictive factors of health and well-being.  
*Effective Fall 2015 Effective Fall 2017*

**NUR 920**  
Translation of Research and Scientific Knowledge to a Community Setting  
Translation of Research and Scientific Knowledge to a Practice Setting  
Spring of every year. 3(3-0)  
P: Open to doctoral students in the Nursing major or approval of college.  
R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major or in the Nursing Practice Major or approval of college.  
Systematic approach to translating evidenced based knowledge to inform nursing clinical practice, policy and delivery system change. Translation strategies to enhance public health status and health outcomes. Systematic approach to translating evidenced based knowledge to inform nursing practice, policy and delivery system change. Translation strategies to enhance health outcomes for those with chronic diseases and common health conditions.  
*Effective Fall 2013 Effective Summer 2018*

**NUR 964**  
DNP Practicum I  
Fall of every year. Spring of every year. Summer of every year. 3 credits. P: NUR 960 and NUR 961  
R: Open to doctoral students in the College of Nursing.  
Provides the clinical opportunity to analyze, synthesize, and implement integrated nursing knowledge and skills in achieving patient and health system outcomes system’s assessment and needs analysis within the healthcare environment.  
Request the use of the Pass-No Grade (P-N) system.  
*Effective Spring 2014 Effective Summer 2017*

**NUR 965**  
DNP Practicum II  
Fall of every year. Spring of every year. Summer of every year. 3 credits. P: NUR 964  
R: Open to doctoral students in the College of Nursing.  
Provides opportunities to engage in increasingly complex organizational projects. Participates in implementation of evidence-based initiatives to improve health outcomes and system effectiveness.  
Request the use of the Pass-No Grade (P-N) system.  
*Effective Fall 2015 Effective Summer 2017*

**DEPARTMENT OF PLANNING, DESIGN AND CONSTRUCTION**

**CMP 101**  
Principles of Construction Management  
Fall of every year. Summer of every year. 2(2-0)  
P: Not open to seniors.  
Historical developments, current issues and trends in commercial and residential construction industries.  
SA: BCM 101  
*Effective Summer 2014 Effective Fall 2017*

**CMP 124**  
Residential Construction Materials and Methods  
Spring of every year. Summer of every year. 3(3-0)  
P: CMP 101  
Properties of construction materials and their application in residential construction.  
SA: BCM 124  
*Effective Summer 2013 Effective Fall 2017*

**CMP 211**  
Building Codes  
Fall of every year. Spring of every year. 3(3-0)  
P: CMP 124 or concurrently C: CMP 210 concurrently.  
Construction codes: structural, mechanical, electrical, and plumbing. Building safety and accessibility.  
SA: BCM 211  
*Effective Summer 2013 Effective Fall 2017*
CMP 311  Construction Project Scheduling  
Fall of every year. Spring of every year. 3(2-2) P: (STT 200 or STT 201 or STT 315 or STT 421) and (CMP 305 and CMP 322) R: Open to juniors or seniors in the Construction Management Major or in the Civil Engineering Major or approval of school.  
Basic construction project scheduling procedures. Work breakdown structure, critical path method, and scheduling logic. Activity durations, status reports, resource allocation, and control.  
SA: BCM 411, CMP 411  
**Effective Summer 2013 Effective Fall 2017**

CMP 328  Construction Presentation Graphics and Building Information Modeling  
Fall of every year. Spring of every year. 2(1-2) P: CMP 210 and CMP 230 R: Open to juniors or seniors in the Construction Management Major or approval of department.  
Graphic communication methods used in construction organizations. Use of Building Information Modeling software.  
SA: BCM 328  
**Effective Fall 2013 Effective Fall 2017**

CMP 401  Construction Safety Management  
Fall of every year. Spring of every year. 3(3-0) P: CMP 305 RB: CMP 385 or (CMP 423 or concurrently) R: Open to juniors or seniors in the Construction Management Major or in the Civil Engineering Major or approval of department.  
Construction safety with Occupational Safety and Health Administration (OSHA) emphasis. General safety and health provisions, records, and safety management programs. Personnel protection and lifesaving equipment. Economic impact of safety program.  
SA: BCM 401  
**Effective Summer 2013 Effective Fall 2017**

CMP 453  Land Development  
Fall of every year. Spring of every year. 3(3-0) P: (CMP 305 and CMP 325) or UP 458 R: Open to juniors or seniors in the College of Agriculture and Natural Resources or in the School of Planning, Design and Construction or in the Construction Management major or in the Civil Engineering Major or in the Urban and Regional Planning major.  
Methods and practices of land development, market research, financial feasibility, land use regulations, legal documentation, and site analysis and design. Case studies.  
SA: BCM 353, CMP 353  
**Effective Summer 2013 Effective Fall 2017**

CMP 810  Construction Systems  
Fall of every year. Spring of every year. 1(0-2) P: Open only to graduate students in the Construction Management major or Civil Engineering major or Interior Design major and Facilities Management major. R: Open to graduate students in the Construction Management Major or in the Interior Design Major or in the Civil Engineering Major. Not open to students with credit in CMP 124 or CMP 210.  
Construction materials and methods in the U.S. Steel and wood construction.  
SA: BCM 810  
**Effective Summer 2005 Effective Fall 2017**

CMP 815  Advanced Cost Estimating and Analysis  
Fall of every year. Summer of every year. 3(2-2)  
**Effective Summer 2005 Effective Fall 2017**
DEPARTMENT OF PLANT BIOLOGY

PLB 424  Algal Biology
Fall of even years. Summer of odd years. 4(2-4) 3(2-2) Interdepartmental with Integrative Biology. P: (BS 162 or LB 144 or BS 182H) and (BS 172 and completion of Tier I writing requirement) P: (BS 162 or LB 144 or BS 182H) and ((BS 172 or BS 192H) and completion of Tier I writing requirement) RB: IBIO 355 and IBIO 355L
Algal taxonomy, systematics, physiology, ecology, and environmental assessment. Lab focus on identification of freshwater algal genera collected from regional habitats.
SA: BOT 424
Effective Fall 2016 Effective Summer 2018

PLB 498  Undergraduate Research
Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: (BS 161 and BS 162 and BS 171 and BS 172) or (LB 144 and LB 145) or ((BS 181H and BS 182H and BS 191H and BS 192H) and completion of Tier I writing requirement) R: Approval of department.
Laboratory and/or field research in an area of plant biology. Request the use of ET-Extension to postpone grading. The work for the course must be completed and the final grade reported within 3 semesters after the end of the semester of enrollment.
SA: BOT 498
Effective Fall 2014 Effective Summer 2018

PLB 856  Plant Molecular and Omic Biology
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Biochemistry and Molecular Biology and Crop and Soil Sciences. Interdepartmental with Biochemistry and Molecular Biology RB: ZOL 341 RB: IBIO 341
Recent advances in genetics and molecular biology of higher plants. Advanced genetics and molecular biology of higher plants.
SA: BOT 856
Effective Summer 2010 Effective Fall 2018

DEPARTMENT OF RADIOLOGY

ANTR 211  Human Tissues and Cells for Medical Illustrators
Spring of every year. 3(2-2) R: Not open to students in the College of Natural Science. Approval of department. Not open to students with credit in ZOL 408. 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 Spring 2015 Effective Summer 2018

ANTR 440  Human Anatomic Variation
Spring of even years. 2(2-0) P: ANTR 350 or KIN 216 or ZOL 328 P: ANTR 350 or KIN 216 or IBIO 328
Human anatomical variation including developmental, pathological and accidental.
Effective Spring 2015 Effective Spring 2018

ANTR 541  Gross Anatomy for Nurse Anesthetists
Fall of every year. 4(3-2) R: Approval of department. Not open to students with credit in ANTR 551.
Clinically oriented human regional gross anatomy for nurse anesthetists using prosections, case studies, and medical imaging.
Effective Summer 2013 Effective Summer 2018
PART III – COURSE CHANGES

SCHOOL OF SOCIAL WORK

SW 200  Introduction to Social Work  
Fall of every year. Spring of every year. 3(3-0)  
Social work practice, ethics, and values, in the context of social welfare policy in the United States.  
**Effective Spring 2014 Effective Fall 2017**

SW 310  Human Behavior and Social Environment  
Fall of every year. 3(3-0) P: (SOC 100 and PSY 101 and SW 200) and (HNF 150 or PSY 209 or PSL 250) and (PSY 200 or PSY 235 or PSY 236 or PSY 244 or PSY 270 or PSY 280 or PSY 371)  
R: Open to juniors or seniors in the School of Social Work or approval of school.  
General systems and ecological theories within the context of lifespan development as applied to social work. Integration of general systems, ecological, and developmental theories within the context of lifespan development. Integration of biological, psychological, structural, environmental, and socio-cultural perspectives.  
**Effective Fall 2016 Effective Fall 2017**

SW 420  Social Work and Social Policy II  
Fall of every year. 3(3-0) P: SW 340 and (SW 440 or concurrently) and (SW 494A or concurrently)  
R: Open to juniors or seniors in the School of Social Work.  
Role of social work administrative and agency policy and change processes. Interaction between social policy and social work services. Overview of policy analysis and select social welfare policies. Current changes in welfare, health, and civil rights policy and their impact on social work clients. Diversity, social justice, and international policy issues.  
**Effective Fall 2015 Effective Fall 2017**

SW 810  Theories of Groups, Organizations, and Communities in Social Work  
Fall of every year. 3(3-0) R: Open only to graduate students in the School of Social Work. Not open to students with credit in SW 812A or SW 812B.  
Ecological and social systems perspectives in social work. Theories of groups, formal organizations, and communities in a systems framework for social work practice. Ethical foundations of social work. Ecological and social systems perspectives. Theories of groups, formal organizations, and communities in a systems framework. Ethical and historical foundations of social work. Knowledge of the social, structural, and contextual factors that impact human functioning in a multi-system context.  
**Effective Spring 2003 Effective Summer 2018**

SW 811  Social Work Perspectives in Human Development  
Spring of every year. 3(3-0) P: SW 810 R: Open only to graduate students in the School of Social Work. Not open to students with credit in SW 812A or SW 812B.  
Developmental theories applied to individuals and families within an ecological perspective. Biopsychosocial factors and interactions in human development for social work assessment and intervention. Developmental theories applied to individuals and families within an ecological and systems perspective. Biopsychosocial factors and interactions in human development for social work assessment and intervention.  
**Effective Summer 2005 Effective Fall 2017**

SW 820  Social Welfare Policy and Services  
Fall of every year. 3(3-0) R: Open to graduate students in the School of Social Work or approval of school.  
Policy analysis in historical and philosophical context. The social work profession and social welfare policy. Public policy process in the U.S. context. Gender, racial-ethnic, social class, and international policy issues. Social policy analysis in historical, economic, political, and ideological context. History of social welfare profession and influences of social movements on social policy. Introduction to major U.S. social welfare programs.  
**Effective Fall 2003 Effective Fall 2017**
PART III – COURSE CHANGES

SW 822  Topics in Policy Practice and Advocacy
Spring of every year. 3(3-0)  P: SW 812B or SW 820  R: Open to graduate students in the School of Social Work. Effective Spring 2010 Effective Fall 2017

Information and skills for policy practice for advocacy at local, community, agency, state and federal levels. National and international policy comparisons. Exploration of specific target populations or areas of need and related public policies. Information and skills for policy practice and advocacy. Effective Spring 2010 Effective Fall 2017

SW 829  Social Work Research Methods I
Fall of every year. Spring of every year. Summer of every year. 2(2-0) RB: Bachelors degree required. R: Open to graduate students in the School of Social Work. Effective Summer 2010 Effective Fall 2017

Knowledge and skills in critical thinking, statistical methods. Concepts of data, distributions, samples and populations, measurement, descriptive statistics, inferential statistics and related topics using either SPSS or Excel. Ethics, diversity, social justice issues. Knowledge and skills in critical thinking and statistical methods. Concepts of data, distributions, samples and populations, measurement, descriptive statistics, inferential statistics and related topics using either SPSS or Excel. Ethics, diversity, social justice issues. Effective Summer 2010 Effective Fall 2017

SW 832  Evaluating Social Work Programs and Practice
Fall of every year. Spring of every year. 2(2-0)  P: SW 830 or SW 812B  R: Open to graduate students in the School of Social Work. Effective Summer 2010 Effective Fall 2017


SW 840  Generalist Social Work Practice Methods I
Fall of every year. 3(3-0)  P: (SW 810 or concurrently) and (SW 820 or concurrently) R: Open only to graduate students in the School of Social Work. Not open to students with credit in SW 842A or SW 842B. C: SW 894A concurrently. Effective Spring 2003 Effective Fall 2017

Conceptual framework for generalist social work practice. Ethical and philosophical basis for professional practice and accountability. Social work roles and methods with micro- and macro-client systems. Ethical and philosophical basis for professional practice and accountability in engagement and assessment, across all client systems. Effective Spring 2003 Effective Fall 2017

SW 841  Generalist Social Work Practice: Methods II
Spring of every year. 3(3-0)  P: SW 840 RB: SW 811 or concurrently R: Open to graduate students in the School of Social Work. Not open to students with credit in SW 842B. C: SW 894B concurrently. Effective Spring 2009 Effective Fall 2017

Assessment and intervention by developmental stage and type of client system. Models of social work practice. Implementation of models of social work practice for work with individuals, dyads, families, groups, and communities. Implementation of social work practice-research orientation across the life cycle. Effective Spring 2009 Effective Fall 2017
PART III – COURSE CHANGES

SW 843  Clinical Assessment and Diagnosis
Fall of every year. Spring of every year. Summer of every year. 2(2-0) P: (SW 840 or concurrently) or (SW 842B or concurrently) R: Open to graduate students in the School of Social Work. Not open to students with credit in SW 813.

- Social work perspective on person-in-environment as related to maladaptive behavior and psychosocial disorders. Biopsychosocial disturbances and clinical assessment. Social work perspectives of the person-in-environment as related to maladaptive behavior and psychosocial disorders. Cultural perspectives, including gender, age, and minority status in relation to psychological and behavior disorders.

Effective Summer 2008 Effective Fall 2017

SW 844  Essential Theories in Organizations and Communities Social Work Practice
Fall of every year. 2(2-0) P: SW 810 or SW 812B R: Open to graduate students in the School of Social Work or approval of school.

- Selected theoretical approaches to organizational and community phenomena. Emphasis on macro-organization and community theories using organization and community as the level of analysis. Decision-making by a collective of organizational and community actors.
- Organization and community functions. Theoretical frameworks associated with the study of leadership, organizations and communities in social work practice.

Effective Spring 2010 Effective Fall 2017

SW 845  Administrative Skills for Social Work Practice
Administrative Skills in Social Work
Fall of every year. Spring of every year. 3(3-0) P: SW 810 or SW 812B R: Open only to graduate students in the School of Social Work or approval of school.

- How social agencies function as organizational entities. Skills required for effective social work practice within organizations, including budgeting, grant writing and supervision.
- Knowledge and skills for social work practice in an organizational context.

Effective Summer 2005 Effective Summer 2018

SW 850  Clinical Social Work Practice I
Fall of every year. 3(3-0) P: (SW 841 or SW 842B) and (SW 893B or SW 894B) R: Open to master's students in the School of Social Work. C: SW 894D concurrently.

- Conceptual frameworks for clinical social work practice with individuals and groups.
- Intervention strategies, techniques, and practice issues in prevention and treatment.
- Theoretical base of advanced clinical social work practice with individuals and groups.
- Evidence-based and culturally sensitive intervention strategies and techniques.
- Professional development and use of self to enhance clinical effectiveness.

Effective Summer 2008 Effective Fall 2017

SW 851  Clinical Social Work Practice II
Spring of every year. 3(3-0) P: SW 850 and SW 894D R: Open to master's students in the School of Social Work. C: SW 894E concurrently.

- Conceptual frameworks for clinical social work practice with families and couples.
- Intervention strategies, techniques, and practice issues in prevention and treatment.
- Theoretical base for clinical social work practice with couples and families. Culturally sensitive intervention strategies and techniques. Student self-reflection on family of origin to enhance clinical effectiveness.

Effective Summer 2008 Effective Fall 2017

SW 865  Social Work Leadership in Organizations and Communities I
Social Work Leadership in Organizations
Fall of every year. Lansing, Lansing, Lansing Lansing 3(3-0) P: SW 841 or SW 842B Not open to students with credit in SW 863. C: SW 894G concurrently.

- Skills and knowledge for social work practice in organizations and communities. Social work leadership for ethical, culturally competent, collaborative, and effective social and human service delivery. Development of client and agency empowerment toward social and economic justice. Knowledge and skills to promote change in programs and organizations using adaptive leadership.

Effective Fall 2014 Effective Summer 2018
SW 866  
Social Work Leadership in Organizations and Communities II
Social Work Leadership in Communities
Spring of every year. Lansing  Lansing  Lansing  Lansing  3(3-0) P: SW 865 Not open to students with credit in SW 864. C: SW 894I concurrently.
Advanced leadership skills for promoting social justice within communities and organizations. Skill development in assessing community assets and needs, community organizing, community development, coalition building, and advocacy within diverse, economically disadvantaged and/or historically disempowered communities and the organizations that serve them. Advanced community practice knowledge for promoting social justice within communities. Assessing community assets and needs. Strategies for community building and organizing, focusing on community as a means of impacting social change and improving the quality of life in diverse, economically disadvantaged and/or historically disempowered communities and the organizations that serve them. Effective Spring 2015 Effective Summer 2018

SW 894G  
Social Work Field Education: Organizational and Community Practice I
Social Work Field Education: Macro Practice I
Fall of every year. 4(1-16) P: SW 893B or SW 894B R: Open only to graduate students in the School of Social Work. C: SW 863 concurrently.
Professionally supervised organization and community social work practice in approved community agencies. Integration and application of concepts in social work practice. Effective Fall 2004 Effective Summer 2018

SW 894I  
Social Work Field Education: Organizational and Community Practice II
Social Work Field Education: Macro Practice II
Spring of every year. 4(1-16) P: SW 894G R: Open only to graduate students in the School of Social Work. C: SW 864 concurrently.
Continuation of professionally supervised organization and community social work practice in approved community agencies. Integration and application of concepts in social work practice. SA: SW 894F Effective Fall 2004 Effective Summer 2018

DEPARTMENT OF STATISTICS AND PROBABILITY

STT 201  
Statistical Methods
Fall of every year. Spring of every year. Summer of every year. 4(3-2) P: (MTH 103 or MTH 110 or MTH 116 or MTH 124 or MTH 132 or LB 118) or designated score on Mathematics Placement test R: Open to undergraduate students. Not open to students with credit in STT 200 or STT 421.
Probability and statistics with computer applications. Data analysis, probability models, random variables, tests of hypotheses, confidence intervals, simple linear regression. Weekly lab using statistical software. Effective Fall 2014 Effective Spring 2018

DEPARTMENT OF THEATRE

THR 411  
Stage Lighting Design
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: THR 211 and THR 211L P: THR 211
Theory and practice in lighting design and equipment. Application of light to stage production through play analysis, color theory, and the development of lighting plot. Effective Fall 2015 Effective Fall 2017

THR 412  
Stage Costume Design
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: THR 212 and THR 212L P: THR 212
Creating stage dress through script, color, and fabric analysis. Practical application through rendering draping and fabrication. Effective Fall 2015 Effective Fall 2017
THR 414  Stage Scene Design  
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: THR 214 and THR 214L P: THR 214  
Creating stage scenery through script, color, and architectural analysis. Practical application through rendering and technical drawing.  
**Effective Fall 2015 Effective Fall 2017**

THR 416  Stage Sound Design  
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: THR 216 and THR 216L P: THR 216  
Creating stage sound through script, acoustic, and performance-space analysis. Practical application through composition and sound reinforcement for the stage.  
**Effective Fall 2016 Effective Fall 2017**

THR 419  Projection Design for Live Performance  
Spring of every year. 3(2-2) Interdepartmental with Media and Information. A student may earn a maximum of 6 credits in all enrollments for this course. P: (THR 219 and THR 219L) or (THR 337 or MI 337 or MI 341) P: (THR 219) or (THR 337 or MI 337 or MI 341) RB: THR 211 or THR 211L or THR 212 or THR 212L or THR 214 or THR 214L or THR 216 or THR 216L  
Creating projection performance media through script, technology advancements, and production analysis. Practical application through digital rendering, video production and software exploration.  
**Effective Fall 2016 Effective Fall 2017**

**DEPARTMENT OF WRITING, RHETORIC AND AMERICAN CULTURES**

WRA 848  American Cultural Rhetorics: Theory and Methodology  
Cultural Rhetorics Theory and Methodology  
Spring of every year. 3(3-0) R: Open to graduate students in the College of Arts and Letters or in the College of Communication Arts and Sciences or approval of college.  
Current methodological issues in rhetorical approaches to American cultural rhetorics.  
SA: AL 848  
**Effective Summer 2014 Effective Fall 2018**

WRA 860  Visual Rhetoric Theory for Professional Writers  
Multimodal Composing Theory and Practice  
Fall of even years, Spring of even years. 3(3-0) R: Open to graduate students in the Department of Writing, Rhetoric and American Cultures or approval of department.  
Theories of visual rhetoric and document design. Effects of visual elements in print and online documents. Intensive writing, analysis, and production. Theories of multimodal composing, including issues of visual rhetoric and consideration of document design. Effects of visual elements in print and online documents. Intensive writing, analysis, and production.  
SA: AL 860  
**Effective Summer 2014 Effective Fall 2018**

WRA 870  Research Methodologies in Rhetoric and Composition  
Research Methodologies in Rhetoric and Writing  
Fall of every year. Spring of every year. 3(3-0) R: Open to doctoral students in the Rhetoric and Writing major and open to master's students in the Critical Studies in Literacy and Pedagogy major and open to master's students in the Digital Rhetoric and Professional Writing major.  
Survey of rhetoric and composition methodologies and their theoretical bases. Exploration of inquiry approaches in rhetoric and writing. Discussion of methodologies, theoretical foundations, methods and tools, and project design.  
SA: AL 870  
**Effective Summer 2014 Effective Fall 2018**
WRA 878  Composition Studies: Issues, Theory, and Research  
Fall of every year. Spring of every year. 3(3-0) R: Open to graduate students in the College of Arts and Letters or in the College of Education or approval of college.  
Issues, research, and theories shaping current work in composition studies. Intersections with studies in literacy, discourse, and critical theory.  
SA: ENG 876, AL 878  
Effective Summer 2014 Effective Fall 2018

WRA 882  Contemporary Theories of Rhetoric  
Spring of even years. Spring of every year. 3(3-0) R: Open to graduate students or master's students or doctoral students in the Department of English or in the Professional Writing Major or in the Rhetoric and Writing Major.  
Modern, postmodern, and contemporary rhetoric theories and their impact on writing and writing instruction. Cultural studies, critical theory, feminist discourse theory, rhetorical ethics, visual rhetoric, digital and media theory.  
SA: AL 882  
Effective Summer 2014 Effective Fall 2018

WRA 888  Methods in the Teaching of College-Level Writing  
Spring of every year. Spring of even years. 3(3-0) R: Open to graduate students in the Department of Writing, Rhetoric and American Cultures.  
Strategies and methods of teaching college-level writing.  
Effective Spring 2016 Effective Fall 2018

WRA 992  Seminar in Language Literacy and Pedagogy  
Seminar in Literacy Studies  
Fall of every year. Fall of even years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to graduate students in the Department of Writing, Rhetoric and American Cultures or approval of college.  
Teaching English literature, language, and composition. Literacy theory and research for in rhetoric and writing studies.  
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: ENG 992A, AL 992  
Effective Summer 2014 Effective Fall 2018