MICHIGAN STATE UNIVERSITY

Report of
THE UNIVERSITY COMMITTEE ON CURRICULUM
to the Faculty Senate
October 9, 2018

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:
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:
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

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

1. Change the requirements for the Agricultural Technology Certificate in Agricultural Industries in The Institute of Agricultural Technology.
   a. Under the heading Requirements for Agricultural Industries make the following changes:
      (1) In item 1. add the following courses and change the total credits from '31 to 34' to '28 to 31':
          
          CSS  126  Introduction to Weed Management    2
          CSS  226L Weed Science Laboratory     1

          Delete the following courses:
          CSS  120 Issues in Food and Agriculture    3
          CSS  288 Principles of Weed Management    3

      (2) Add the following new item 2. and renumber items 2., 3., and 4. respectively to 3., 4., and 5.:
          Two of the following courses (4 to 6 credits):
          CSS  120 Issues in Food and Agriculture    3
          CSS  135 Crop Scouting and Investigation    3
          CSS  151 Seed and Grain Quality     2
          CSS  201 Forage Crops      3
          CSS  212 Advanced Crop Production    2
          CSS  222 New Horizons in Biotechnology    2

      (3) Change item 2. to 'Both of the following courses (6 credits):'.

      (4) Change the credits in item 5. from '13' to '5 to 10'.

      Effective Spring 2019.

2. Change the requirements for the Agricultural Technology Certificate in Agricultural Operations in The Institute of Agricultural Technology.
   a. Under the heading Requirements for Agricultural Operations make the following changes:
      (1) Add the following statement:
          Students must complete 60 credits from the following:
(2) In item 1. delete the following course and change the total credits from ‘29’ to ‘28’:

CSS 135 Crop Scouting and Investigation    3

Add the following course:

CSS 126 Introduction to Weed Management    2

(3) Delete items 2. and 3.

(4) Add the following items 2. and 3.:

2. Complete a minimum of 6 elective credits in the College of Agriculture and Natural Resources as approved by the program coordinator in the Institute of Agricultural Technology.

3. Complete 26 credits of additional course work through the College of Agriculture and Natural Resources, a community college partner (Delta College, Glen Oaks Community College, Kellogg Community College, Monroe Community College, Montcalm Community College, Muskegon Community College, Southwestern Michigan College, West Shore Community College) or an approved transferring institution. All course work must be approved by the program coordinator in the Institute of Agricultural Technology.

A minimum of 50% of the credits must be completed through the College of Agriculture and Natural Resources.

Effective Spring 2019.

3. Change the requirements for the Agricultural Technology Certificate in Fruit and Vegetable Crop Management in The Institute of Agricultural Technology.

a. Under the heading Requirements for Fruit and Vegetable Crop Management make the following changes:

(1) Add the following statement:

Students must complete 60 credits from the following:

(2) In item 1. add the following courses and change the total credits from ‘18’ to ‘23’:

ABM 130 Farm Management I     3
CSS 126 Introduction to Weed Management    2

(3) Delete items 2. and 3.

(4) Add the following items 2. and 3.:

2. Complete a minimum of 7 elective credits in the College of Agriculture and Natural Resources as approved by the program coordinator in the Institute of Agricultural Technology.

3. Complete 30 credits of additional course work through the College of Agriculture and Natural Resources, a community college partner (Montcalm Community College, Muskegon Community College, Northwestern Michigan College, Southwestern Michigan College, Wayne County Community College District, West Shore Community College) or an approved transferring institution. All course work must be approved by the program coordinator in the Institute of Agricultural Technology.
A minimum of 50% of the credits must be completed through the College of Agriculture and Natural Resources.

Effective Spring 2019.

4. Change the requirements for the Agricultural Technology Certificate in Fruit, Vegetable, and Organic Horticulture Management in The Institute of Agricultural Technology.
   
a. Under the heading Requirements for Fruit, Vegetable, and Organic Horticulture Management make the following changes:

   (1) In item 2. add the following courses:
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS 126</td>
<td>Introduction to Weed Management</td>
<td>2</td>
</tr>
<tr>
<td>CSS 226L</td>
<td>Weed Science Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

   Effective Spring 2019.

5. Change the requirements for the Agricultural Technology Certificate in Landscape Management in The Institute of Agricultural Technology.
   
a. Under the heading Requirements for Landscape Management make the following changes:

   (1) Add the following statement:
   
   Students must complete 60 credits from the following:

   (2) In item 1. add the following course and change the total credits from ‘25’ to ‘27’:
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CSS 126</td>
<td>Introduction to Weed Management</td>
<td>2</td>
</tr>
</tbody>
</table>

   (3) Delete items 2. and 3.

   (4) Add the following items 2. and 3.:

   2. Complete a minimum of 3 elective credits in the College of Agriculture and Natural Resources as approved by the program coordinator in the Institute of Agricultural Technology.

   3. Complete 30 credits of additional course work through the College of Agriculture and Natural Resources, a community college partner (Montcalm Community College, Muskegon Community College, Northwestern Michigan College, Southwestern Michigan College, Wayne County Community College District) or an approved transferring institution. All course work must be approved by the program coordinator in the Institute of Agricultural Technology.

   A minimum of 50% of the credits must be completed through the College of Agriculture and Natural Resources.

   Effective Spring 2019.
6. Change the requirements for the Agricultural Technology Certificate in Landscape and Nursery Management in The Institute of Agricultural Technology.

a. Under the heading Requirements for Landscape and Nursery Management make the following changes:

(1) Add the following statement:

Students must complete 48 credits from the following:

(2) In item 2, add the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS</td>
<td>Introduction to Weed Management</td>
<td>2</td>
</tr>
<tr>
<td>CSS</td>
<td>Weed Science Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>HRT</td>
<td>Annual and Aquatic Landscape Plants</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective Spring 2019.


a. Under the heading Requirements for Turfgrass Management-Golf Course Emphasis make the following changes:

(1) Add the following statement:

Students must complete 54 credits from the following:

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS</td>
<td>Introduction to Weed Management</td>
<td>2</td>
</tr>
<tr>
<td>CSS</td>
<td>Weed Science Laboratory</td>
<td>1</td>
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</table>

Delete the following course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS</td>
<td>Principles of Weed Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective Spring 2019.


a. Under the heading Requirements for Turfgrass Management-Sports and Commercial Turf Management Emphasis make the following changes:

(1) Add the following statement:

Students must complete 54 credits from the following:

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

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS</td>
<td>Introduction to Weed Management</td>
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<td>CSS</td>
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<tbody>
<tr>
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<td>Principles of Weed Management</td>
<td>3</td>
</tr>
</tbody>
</table>
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

(3) In item 1., change the credits of AT 293 from ‘3 to 6’ to ‘3’.

Effective Spring 2019.

9. Change the requirements for the Agricultural Technology Certificate in Viticulture in The Institute of Agricultural Technology.
   a. Under the heading Requirements for Viticulture make the following changes:
      (1) Add the following statement:
           Students must complete 60 credits from the following:
      (2) In item 1. add the following course and change the total credits from ‘21’ to ‘23’:
           CSS 126 Introduction to Weed Management  2
      (3) Delete item 2.
      (4) Add the following items 2. and 3.:
           2. Complete a minimum of 7 elective credits in the College of Agriculture and Natural Resources or VESTA as approved by the program coordinator in the Institute of Agricultural Technology.
           3. Complete 30 credits of additional course work through the College of Agriculture and Natural Resources, Northwestern Michigan College or an approved transferring institution. All course work must be approved by the program coordinator in the Institute of Agricultural Technology.

           A minimum of 50% of the credits must be completed through the College of Agriculture and Natural Resources.

Effective Spring 2019.

COLLEGE OF ARTS AND LETTERS

1. Change the requirements for the Bachelor of Arts degree in Philosophy in the Department of Philosophy.
   a. Under the heading Requirements for the Bachelor of Arts Degree in Philosophy make the following changes:
      (1) Replace items 3. a. (1), (3), and (4) with the following:
           (1) Two of the following courses (6 credits):
               PHL 210 Ancient Greek Philosophy  3
               PHL 211 Modern Philosophy  3
               PHL 212 Latin American Philosophy  3
               PHL 213 Africana Philosophy  3
               PHL 214 Indigenous Philosophy  3
           (3) One of the following courses (3 or 4 credits):
               PHL 340 Ethics  3
               PHL 342 Environmental Ethics  3
               PHL 345 Business Ethics  4
               PHL 350 Introduction to Social and Political Philosophy  3
               PHL 356 Philosophical Aspects of Feminism  4
           (4) One of the following courses (3 credits):
               PHL 360 Philosophy of Language  3
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

PHL 361 Knowledge and Reality 3
PHL 380 Nature of Science 3

Effective Fall 2019.

2. Change the requirements for the Bachelor of Arts degree in Religious Studies in the Department of Religious Studies.

The concentration in the Bachelor of Arts degree in Religious Studies is noted on the student's academic record when the requirements for the degree have been completed.

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

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

The University's Tier II writing requirement for the Religious Studies major is met by completing Religious Studies 410 or 412 or 414 or 420 or 425 or 430 or 432 or 441 or 460 or 461 or 465 or 471 or 480 or 485 or 490 or 491 or 499. Those courses are referenced in item 3. e. below.

(2) In item 3. d. add the following course:

REL 307 Shamanism 3

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

REL 413 Jewish Philosophy (W) 3

Add the following course:

REL 414 Jewish Identity (W) 3

Effective Fall 2019.


a. Under the heading Requirements for the Minor in Religious Studies make the following changes:

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

REL 307 Shamanism 3

Effective Fall 2019.


a. Under the heading Requirements for the Minor in Lesbian, Gay, Bisexual, Transgender, Queer and Sexuality Studies add the following statement after item 4.:

The following option is available to students enrolled in a College of Social Science major, to meet that college’s minor requirement for graduation.

1. Both of the following courses (6 credits):

   HST 420 History of Sexuality since the 18th Century 3
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

WS 304 Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ) and Sexuality Studies 3

2. One of the following courses (3 credits):
ANP 220 Gender Relations in Comparative Perspective 3
HDFS 445 Human Sexuality 3
PSY 310 Psychology and Biology of Human Sexuality 3

3. Two of the following courses (6 or 7 credits):
ENG 355 Readings in Sexuality and Literature 3
NEU 215 Neuroscience and Society 3
THR 336 Sex, Sexuality, Theatre 3
WS 201 Introduction to Women’s and Gender Studies 3
WS 301 Sexual Violence Against Women and Children: Theory and Response 3
WS 492 Advanced Seminar in Women’s and Gender Studies (W) 4

Students who are also completing the Minor in Women’s and Gender Studies may only use WS 201, 202, or 304 in fulfillment of the requirements for both minors.

Effective Spring 2019.

ELI BROAD COLLEGE BUSINESS

1. Change the administrative responsibility of the Doctor of Philosophy degree in Business Administration with a major in Business Information Systems from The Eli Broad College of Business to the Department of Accounting and Information Systems. The University Committee on Graduate Studies (UCGS) approved this request at its September 10, 2018 meeting.

Effective Spring 2019.

2. Change the name of the Doctor of Philosophy degree in Business Administration with a major in Business Information Systems to Information Technology Management in Department of Accounting and Information Systems. The University Committee on Graduate Studies (UCGS) approved this request at its September 10, 2018 meeting.

Students admitted to the major prior to Spring 2019 will be awarded a Doctor of Philosophy Degree in Business Administration with a major in Business Information Systems.

Students admitted to the major Spring 2019 and forward will be awarded a Doctor of Philosophy Degree in Business Administration with a major in Information Technology Management.

Effective Spring 2019.

3. Change the requirements for the Minor in Retail Management in the Department of Management.

a. Under the heading Requirements for the Minor in Retail Management make the following changes:

(1) In item 4., add the following course:

MKT 439 Food Business Analysis and Strategic Planning (W) 3

Effective Spring 2019.
COLLEGE OF MUSIC

1. Change the requirements for the Bachelor of Music degree in Composition in the College of Music.

   a. Under the heading Requirements for the Bachelor of Music Degree in Composition make the following changes:

      (1) Replace item 3. a. with the following:

     Capstone experience.
     Preparation and direction of a half-hour recital of original compositions during the senior year. The recital should consist of compositions for several performing media including at least one electroacoustic or fixed media work and at least one acoustic chamber work written for a minimum of four instruments. The student must demonstrate a command of compositional technique to the satisfaction of the appropriate faculty.

      (2) In item 3. e. change the credits from ‘12’ to ‘8’.

      (3) Change item 3. e. (1) to the following:

     Piano (8 credits):
     (a) Private instruction in piano. This requirement must be met by completing 4 credits of Music 150A and 4 credits of Music 350A (8 credits).

      (4) Change item 3. e. (2) to the following:

     Stringed Instruments: Violin, Viola, Cello, Double Bass, or Harp (8 credits):
     (a) Private instruction in violin, viola, cello, double bass, or harp. This requirement must be met by completing one of the following pairs of courses, with 4 credits in the 100-level course and 4 credits in the 300-level course: Music 152A, 352A; 152B, 352B; 152C, 352C; 152D, 352D; 152E, 352E (8 credits).

      (5) Change item 3. e. (3) to the following:

     Wind Instruments: Flute, Oboe, Clarinet, Saxophone, Bassoon, Trumpet, Horn, Trombone, Euphonium, and Tuba (8 credits):
     (a) Private instruction in flute, oboe, clarinet, saxophone, bassoon, trumpet, horn, trombone, euphonium, or tuba. This requirement must be met by completing one of the following pairs of courses with 4 credits in the 100-level course and 4 credits in the 300-level course: Music 153A, 353A; 153B, 353B; 153C, 353C; 153D, 353D; 153E, 353E; 154A, 354A; 154B, 354B, 154C, 354C; 154D, 354D; 154E, 354E (8 credits).

      (6) Change item 3. e. (4) to the following:

     Percussion Instruments (8 credits):
     (a) Private instruction in percussion instruments. This requirement must be met by completing 4 credits of Music 155 and 4 credits of Music 355 (8 credits).

      (7) Change item 3. e. (5) to the following:

     Voice (10 credits):
     (a) Private instruction in voice. This requirement must be met by completing 4 credits of Music 151 and 4 credits of Music 351 (8 credits).
     (b) Both of the following courses (2 credits):
     MUS 143     English Diction for Singers   1
     MUS 144     Italian Diction for Singers   1
All of the following courses (29 credits):
MUS 284 Composition Workshop 2
MUS 286 Applied Music Composition I 6
MUS 287 Introduction to Electronic and Computer Music 2
MUS 337 Conducting for Music Performance Majors 1
MUS 387 Real Time Performance 3
MUS 380 Musical Styles and Forms 3
MUS 480 Counterpoint 2
MUS 484 Instrumentation and Basic Orchestration 2
MUS 486 Applied Music Composition II 8

(9) Change item 3. g. to the following:
Two of the following courses (4 credits):
MUS 441 Advanced Fixed Media Composition 2
MUS 442 Advanced Techniques in Real Time Performance 2
MUS 487 Music Preparation and Presentation 2
MUS 877 Scoring for Orchestra and Band 2

(10) Change item 3. h. to the following:
One of the following courses (2 credits):
MUS 410 Jazz History 2
MUS 422 Music of the 20th Century 2
MUS 424 Music, Sexuality, and Gender 2

Effective Summer 2019.

COLLEGE OF SOCIAL SCIENCE

1. Change the requirements for the Minor in Latin American and Caribbean Studies in the College of Social Science.

   a. Under the heading Minor in Latin American and Caribbean Studies replace the entire entry with the following:

   The student must complete a minimum of 16 credits as specified below:
   1. The following course (4 credits):
      HST 212 National Latin America 4
   2. One of the following courses (3 or 4 credits):
      EC 412 Economic Analysis of Latin America (W) 3
      GEO 335 Geography of Latin America 3
      HST 211 Colonial Latin America 4
      HST 382 Modern Brazil 3
      HST 383 The Caribbean 3
      HST 384 Modern Mexico 3
      HST 453 Special Topics in Latin American History 3
      HST 486 Seminar in Latin American History (W) 3
      PLS 352 Latin American Politics 3
   3. Two of the following courses (6 to 8 credits):
      ENG 351 Readings in Chicano and Latino Literatures 3
      IAH 203 Latin America and the World (I) 4
      MC 324C Regional Politics, Cooperation and Conflict in Latin America and the Caribbean 4
      PRT 150 Portuguese for Speakers of Other Romance Languages I 4
      PRT 250 Portuguese for Speakers of Other Romance Languages II 4
      PRT 320 Advanced Portuguese 3
      PRT 340 Topics in Luso-Brazilian Language and Culture 3
      PRT 350 Introduction to Literary Analysis (W) 3
      SPN 342 Media and Conversation 3
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

SPN 350 Introduction to Reading Hispanic Literature (W) 3
SPN 412 Topics in Hispanic Culture 3
SPN 432 Latin America and its Literature 3
SPN 472 Topics in the Literatures of the Americas 3
Additional courses available each semester. See list at http://latinamerica.isp.msu.edu.

4. The following capstone course:
ANP 410 Anthropology of Latin America 3

Effective Spring 2019.

2. Change the requirements for the Minor in Peace and Justice Studies in the College of Social Science.

a. Under the heading Requirements for the Minor in Peace and Justice Studies make the following changes:

(1) In item 2, delete the following courses:
ANP 280 The Anthropological Film 3
ANP 430 Culture, Resources and Power 3
EEP 260 World Food, Population and Poverty 3
HST 455 Special Topics in Modern History 3
JRN 445 Images and Messages 3
MC 482 Gender and Violent Conflict 3
RCAH 390 Immersions in Language and Culture 2 to 4
SOC 452 Environment and Society 3
WRA 115 Writing: Law and Justice in the United States 4
WRA 125 Writing: The American Ethnic and Racial Experience 4
WRA 130 Writing: American Radical Thought 4
WRA 140 Writing: Women in America 4

Add the following courses:
EEM 260 World Food, Population and Poverty 3
HST 365 The Vietnam War 3
HST 415 The First World War 3
JRN 345 Images and Messages 3
JRN 372 Environment, Science and Health Journalism Special Topics 3
JRN 375 International Journalism and Media 3
MC 482 Gender and Violent Conflict 4
RCAH 390 Immersions in Language and Culture 3
REL 185 Introduction to Religion and Nonprofits 3
SOC 214 Social Inequality 3
SOC 252 Introduction to Environmental Sociology 3
WRA 441 Social Justice and Rhetorical Practice 3

(2) Add the following item 4.: 

Students majoring in a College of Social Science major may complete the following set of requirements in fulfillment of the minor requirements in lieu of requirements 1., 2., and 3. above. Students who plan to complete these requirements should consult an undergraduate advisor in the College of Social Science. The requirements may meet the College of Social Science college interdisciplinary minor requirement.

a. The following course (3 credits):
ANP 236 The Anthropology of Peace and Justice 3

b. One of the following courses (3 credits):
CJ 422 Comparative and Historical Criminal Justice 3
EC 495 Economics of Poverty and Income Distribution (W) 3
HST 365 The Vietnam War 3
HST 392 History of the Holocaust 3
HST 414 World War II: Causes, Conduct and Consequences 3
HST 415 The First World War 3
## PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>PLS 160</td>
<td>Introduction to International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PLS 363</td>
<td>International and Domestic Political Conflict</td>
<td>3</td>
</tr>
<tr>
<td>PLS 364</td>
<td>Politics of the United Nations and International Organizations</td>
<td>3</td>
</tr>
<tr>
<td>SOC 214</td>
<td>Social Inequality</td>
<td>3</td>
</tr>
<tr>
<td>SOC 252</td>
<td>Introduction to Environmental Sociology</td>
<td>3</td>
</tr>
<tr>
<td>COM 100</td>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>EEM 260</td>
<td>World Food Population and Poverty</td>
<td>3</td>
</tr>
<tr>
<td>GSAH 310</td>
<td>Questions of Justice in Global Contexts</td>
<td>3</td>
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<tr>
<td>JRN 345</td>
<td>Images and Messages</td>
<td>3</td>
</tr>
<tr>
<td>JRN 372</td>
<td>Environment, Science and Health Journalism</td>
<td>3</td>
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<tr>
<td>JRN 375</td>
<td>International Journalism and Media</td>
<td>3</td>
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<tr>
<td>PHL 353</td>
<td>Core Themes in Peace and Justice</td>
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<td>REL 185</td>
<td>Introduction to Religion and Nonprofits</td>
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<tr>
<td>WRA 441</td>
<td>Social Justice as Rhetorical Practice</td>
<td>3</td>
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<tr>
<td>ANP 321</td>
<td>Anthropology of Social Movements</td>
<td>3</td>
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</tbody>
</table>

c. Two of the following courses (6 credits):

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>COM 100</td>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>EEM 260</td>
<td>World Food Population and Poverty</td>
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<td>GSAH 310</td>
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<td>Anthropology of Social Movements</td>
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</table>

**Effective Spring 2019.**
PART II - NEW COURSES

DEPARTMENT OF COUNSELING, EDUCATIONAL PSYCHOLOGY, AND SPECIAL EDUCATION

CEP 888  Theories of Child Psychotherapy
Spring of every year. 3(2-3) P: CEP 885 R: Open only to Ed.S. or Ph.D. students in the School Psychology major.

Effective Spring 2019

SCHOOL OF CRIMINAL JUSTICE

CJ 450  Introduction to Product Counterfeiting
Spring of odd years. 3(3-0) R: Not open to freshmen.
Introduction to the crime of product counterfeiting through an analysis of theory, empirical studies, and case histories. Understanding of product counterfeiting.
Effective Spring 2019

CJ 850  Product Counterfeiting
Fall of odd years. 3(3-0)
Advanced theoretical and empirical perspectives from criminology, victimology, and organizational behavior to analyze the crime of product counterfeiting.
Effective Spring 2019

DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES

GLG 850  From Research to Publication
Fall of every year. 3(3-0) RB: Experience with literature reviews and/or empirical research. Experience with courses requiring extensive writing. R: Open to graduate students and open to juniors or seniors. Approval of department.
Moving research from data to publication including: ethics in publishing, identifying appropriate journals, writing manuscripts, and the publication process.
Effective Fall 2018

DEPARTMENT OF HORTICULTURE

HRT 860  Scientific Writing: Workshop
Spring of every year. 1(1-0) A student may earn a maximum of 3 credits in all enrollments for this course. R: Open to graduate students.
Development of scientific writing skills.
Request the use of the Pass-No Grade (P-N) system.
Effective Spring 2019

MSU COLLEGE OF LAW

LAW 511E  Labor and Employment Law
Fall of every year. 0 to 6 credits. R: Open to Law students or law advanced students or law lifelong students or law non-degree students. Not open to students with credit in LAW 511C or LAW 511D.
At-will employment relationship, terms and conditions of employment, and the application of the National Labor Relations Act as amended impacting collective bargaining units.
Effective Fall 2018

LAW 535Q  Digital Humanities
Spring of every year. 0 to 6 credits. R: Open to Law students.
Legal and ethical issues implicated by the digital humanities research and resource-creation, including copyright, contract/licensing, privacy, and other issues.
Effective Spring 2019
PART II – NEW COURSES

LAW 537U  Evolutionary Analysis and Law
Spring of every year. 0 to 6 credits. R: Open to Law students or law advanced students or law lifelong students or law non-degree students.
Basic computer techniques analyzing legal texts to measure similarity, sentiment, and perhaps influence, incorporating into law practice. Elucidating the cultural evolution of the common law.
Effective Spring 2019

LAW 541V  Perspectives on U.S. Immigration Law
Fall of every year. 0 to 6 credits. R: Open to Law students or law advanced students or law lifelong students or law non-degree students.
Immigration law and policy from a variety of perspectives, such as historical, social, public policy, economic, human rights, and legal perspectives.
Effective Fall 2018

LAW 541W  Racial Justice - Legal and Societal Dimensions of Truth and Reconciliation
Fall of every year. 0 to 6 credits. R: Open to Law students.
Racial justice in America, and exploring processes of truth and reconciliation that can help bring about the goals of racial healing and transformation.
Effective Fall 2018

LAW 551F  Free Speech on Campus
Fall of every year. 0 to 6 credits. R: Open to Law students.
Free speech principles as they apply on the college campus and creating a program for others to learn more about the First Amendment.
Effective Fall 2018

LAW 635G  Global Perspectives on Indigenous Peoples
Fall of every year. 0 to 6 credits. R: Open to Law students.
History, development, structure, content and efficacy of international human rights law and norms that apply to indigenous peoples.
Effective Fall 2018

LAW 811A  Food Law: Africa and Middle East
Fall of every year. 0 to 6 credits. R: Open to law advanced students.
How food laws and regulations are used to ensure a safe and quality food supply. Influence regional and international trade. Impact human health across Africa and the Middle East.
Effective Fall 2018

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

AAE 451  Effective Oral Communication for International Teaching Assistants
Fall of every year. Spring of every year. 0 credit. R: Approval of department.
Preparation for non-native speakers of English. Focuses on English pronunciation and fluency, strategies for common TA situations, and language and culture of the American classroom.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Fall 2018
AAE 452  Language of the American Classroom for International Teaching Assistants  
Fall of every year. Spring of every year. 0 credit. R: Approval of department.  
Preparation for non-native speakers of English. Covers pronunciation, discourse of teaching, and student/instructor interactions.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Fall 2018  

AAE 453  Support for In-service International Teaching Assistants  
Fall of every year. Spring of every year. 0 credit. R: Approval of department.  
In-service support for non-native speakers of English. Covers language of classroom management, discourse of teaching, and student/instructor interactions. Additional language and pedagogical support concurrent with their TA assignment.  
Request the use of the Pass-No Grade (P-N) system.  
Effective Fall 2018  

DEPARTMENT OF MARKETING  

MKT 823  Applications in Predictive Analytics  
Fall of every year. 1 to 3 credits. P: MKT 819 RB: Previous coursework in marketing, marketing research, and predictive models used in marketing R: Open to MBA students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Marketing Research major or approval of department.  
Advanced quantitative methods for marketing research. Focuses on marketing research methods for enhancing predictive models in marketing research. Includes multivariate statistical methods such as factor analysis, cluster analysis, multidimensional scaling, conjoint analysis, and other approaches. Emphasis on applications of these techniques using statistical analysis software.  
Effective Fall 2018  

MKT 854  Database Marketing: Analysis for Profitability  
Spring of every year. 1 to 3 credits. P: MKT 823 or approval of department RB: MKT 805 or MBA 830 R: Open to master's students in the Master of Business Administration in Business Administration or in the Marketing Research major.  
Profits from marketing databases, strategic issues in database marketing, customer lifetime value, database marketing tools and statistics, customer management, and using databases in managing the marketing mix.  
Effective Fall 2018  

MKT 910  Marketing Theory and Critical Analysis  
Fall of every year. 3(3-0) R: Open to doctoral students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department; application required.  
REINSTATEMENT  
Marketing thought in the evolution of marketing. Special emphasis on philosophy of science. Critical examination of historical concepts and theories in marketing.  
SA: MSC 910  
Effective Fall 2018  

DEPARTMENT OF MECHANICAL ENGINEERING  

ME 881  Cardiovascular Mechanics  
Fall of every year. 3 credits. RB: (ME 222 or ME 332) or undergraduate level of solid mechanics or fluid mechanics.  
Solid and fluid mechanics of the cardiovascular system. Computational modeling tools for simulating hemodynamics and stress-mediated growth and remodeling in patient-specific geometry will be introduced.  
Effective Fall 2018
COLLEGE OF MUSIC

MUS 180E  Fundamentals of Music Intensive
Fall of every year. 2(3-2) R: Open to freshmen in the College of Music. Approval of college.
Conceptual and notational presentation of the basic components of musical structure.
Effective Fall 2018

MUS 284  Composition Workshop
Fall of every year. 2(2-0) R: Open to freshmen in the Composition major or approval of college.
Exploration of elements of music through the creative lens of music composition. Examine
significant parameters of music by means of a variety of repertoire, both new and old, and
through the study and demonstration of compositional techniques, approaches, and
perspectives.
Effective Fall 2018

MUS 286  Applied Music Composition I
Fall of every year. Spring of every year. 1 to 2 credits. A student may earn a maximum of 6 credits
in all enrollments for this course. RB: Music Major R: Open to freshmen or sophomores in the
Composition major.
Private instruction in music composition. First level of one-on-one instruction in music
composition tailored to each student's individual creative personality, strengths and needs.
Effective Fall 2018

MUS 287  Introduction to Electronic and Computer Music
Spring of every year. 2(2-0) R: Open to freshmen or sophomores in the Composition major or
approval of college.
Project-based introduction to music composition using a Digital Audio Workstation (DAW)
for processing and mixing audio files and synthesizing sounds. Topics include the science
of sound, recording techniques, the history of electroacoustic music, and critical listening
skills.
Effective Fall 2018

MUS 387  Real Time Performance
Spring of every year. 3(3-0) R: Open to undergraduate students in the Composition major or
approval of college.
Introduction to live performance of electronic music. Topics include sound synthesis in real
time performance, interactive electronics with instruments, spatialization, algorithmic
composition, electronic instrument and interface design, installation, video and audio-
visual performance practices.
Effective Fall 2018

MUS 486  Applied Music Composition II
Fall of every year. Spring of every year. 2(2-0) A student may earn a maximum of 8 credits in all
enrollments for this course. P: MUS 286 R: Open to students in the Composition major.
Second level of one-on-one instruction in music composition tailored to each student's
individual creative personality, strengths and needs.
Effective Fall 2018

MUS 487  Music Preparation and Presentation
Spring of even years. 2(2-0) P: MUS 284 R: Open to students in the Composition major or approval
of college.
Examine the process of taking a composition from notated form to performance and
beyond. Topics include notation, engraving, part preparation, effective written and oral
communication, articulating artistic intent, grant writing, (self-) publishing, and
dissemination of work.
Effective Fall 2018
COLLEGE OF NURSING

NUR 423  Transitional Needs in Adults with Intellectual and/or Developmental Disabilities  
Fall of every year. Spring of every year. Summer of every year. 3(3-0)  
Analyze the complex transitional needs of adults with intellectual and/or developmental disabilities.  
Effective Spring 2019

DEPARTMENT OF PHILOSOPHY

PHL 212  Latin American Philosophy  
Fall of odd years. Spring of even years. 3(3-0)  
A survey of historic and contemporary philosophical traditions from Latin America.  
Effective Fall 2019

PHL 213  Africana Philosophy  
Fall of odd years. Spring of even years. 3(3-0)  
A survey of historic and contemporary philosophical traditions from Africa and African diasporas.  
Effective Fall 2019

PHL 214  Indigenous Philosophy  
Fall of even years. Spring of odd years. 3(3-0)  
A survey of historic and contemporary philosophical traditions from Indigenous peoples globally.  
Effective Fall 2019

PHL 361  Knowledge and Reality  
Fall of every year. Spring of every year. 3(3-0)  
Introduction to the main problems in epistemology and metaphysics. Topics vary and may include: defining knowledge, sources of knowledge, skepticism, disagreement, space and time, universals and particulars, causation, and free will.  
Effective Fall 2019

PHL 830  Graduate Seminar in Logic and Language  
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.  
Graduate-level investigation of logical concepts, the philosophical significance of results in logic and the philosophy of language over the past 150 years, and related issues in the semantics and pragmatics of natural language.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
Effective Fall 2018

DEPARTMENT OF POLITICAL SCIENCE

PLS 397  Analyzing and Visualizing Data in Politics  
Spring of every year. 3(3-0) P: PLS 201 or PLS 202  
Exploration and evaluation of political science theories or public policies through empirical analysis; approaches to data and graphical analysis in the political sciences; studies of prominent or emerging political science and policy data sources.  
Effective Fall 2018
DEPARTMENT OF RELIGIOUS STUDIES

REL 307  Shamanism
Fall of every year. 3(3-0)
Shamanic practice in different cultural and religious contexts. Entheogens. Peyote, psilocybin. Healing, sacred knowledge, spiritual journeys, sacred space, presence in world religions, patterns of pilgrimage, theoretical debates regarding shamanism and entheogens.
Effective Fall 2019

REL 414  Jewish Identity (W)
Fall of every year. 3(3-0) P: Completion of Tier I Writing Requirement R: Not open to freshmen.
Major themes and aspects of Jewish identity in modernity. Topics including philosophy, food, education, material culture.
Effective Fall 2019

OFFICE OF THE PROVOST

LWG 811E  Labor and Employment Law
On Demand. 2 to 4 credits.
At-will employment relationship, terms and conditions of employment, and the application of the National Labor Relations Act as amended impacting collective bargaining units.
Effective Fall 2018

LWG 822  Products Liability
On Demand. 2 to 4 credits.
Sources, development, and limitations of product liability.
Effective Fall 2018

LWG 835G  Global Perspectives on Indigenous Peoples
On Demand. 2 to 4 credits.
History, development, structure, content and efficacy of international human rights laws and norms that apply to indigenous peoples.
Effective Fall 2018

LWG 835Q  Digital Humanities
On Demand. 2 to 4 credits.
Legal and ethical issues implicated by the digital humanities research and resource-creation, including copyright, contract/licensing, privacy and other issues.
Effective Spring 2019

LWG 837R  Artificial Intelligence and Law
On Demand. 2 to 4 credits.
How Artificial Intelligence (AI) interacts with law, how law and code to work together to regulate interactions among people and computers.
Effective Fall 2018

LWG 837S  Automated Vehicles and the Law
On Demand. 2 to 4 credits.
Myriad of legal issues, including product liability, cybersecurity, privacy, insurance, criminal law and procedure, federal and state regulation, and patents. How discovery and evidentiary presentation at trial may be managed.
Effective Fall 2018

LWG 837U  Evolutionary Analysis and Law
On Demand. 2 to 4 credits.
Basic computer techniques analyzing legal texts to measure similarity, sentiment, and perhaps influence, incorporating into law practice. Elucidating the cultural evolution of the common law.
Effective Spring 2019
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Type</th>
<th>Credits</th>
<th>Description</th>
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</table>
| LWG 841G   | Immigration Law                                                             | On Demand      | 2-4     | On Demand. 2 to 4 credits.  
Survey of United States immigration law emphasizing policy issues and issues that an attorney may encounter.  
Effective Spring 2019                                                                                      |
| LWG 841K   | Juvenile Law                                                                 | On Demand      | 2-4     | On Demand. 2 to 4 credits.  
Laws related to juvenile courts, including juvenile delinquency, child neglect, jurisdiction, waivers, arrest, pretrial and trial.  
Effective Spring 2019                                                                                      |
| LWG 841V   | Perspectives on U.S. Immigration Law                                         | On Demand      | 2-4     | On Demand. 2 to 4 credits.  
Immigration law and policy from a variety of perspectives, such as historical, social, public policy, economic, human rights, and legal perspectives.  
Effective Spring 2019                                                                                      |
| LWG 841W   | Racial Justice-Legal and Societal Dimensions of Truth and Reconciliation     | On Demand      | 2-4     | On Demand. 2 to 4 credits.  
Racial justice in America, and exploring processes of truth and reconciliation that can help bring about the goals of racial healing and transformation.  
Effective Spring 2019                                                                                      |
| LWG 851F   | Free Speech on Campus                                                        | On Demand      | 2-4     | On Demand. 2 to 4 credits.  
Free speech principles as they apply on the collect campus and creating a program for others to learn more about the First Amendment.  
Effective Spring 2019                                                                                      |
| LWG 865B   | Wildlife Law                                                                 | On Demand      | 2-4     | On Demand. 2 to 4 credits.  
Legal systems impact on wildlife.  
Effective Fall 2018                                                                                         |
| LWG 865C   | Legal Issues with Energy Development and Wildlife                            | On Demand      | 2-4     | On Demand. 2 to 4 credits.  
Emerging issues in energy law and policy relating to fish and wildlife.  
Effective Spring 2019                                                                                      |
| LWG 879R   | Law and Interpretation                                                       | On Demand      | 2-4     | On Demand. 2 to 4 credits.  
Judicial interpretation under the constitution, statutes and common law.  
Effective Spring 2019                                                                                      |
PART III – COURSE CHANGES

DEPARTMENT OF AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS

EEM 405  Corporate Environmental Management (W)
Spring of every year. 3(3-0) Interdepartmental with Agribusiness Management and Food Industry Management. 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) RB: (ABM 303) or (ABM 203 and EC 301) and (ACC 201 or ACC 230) R: Open to juniors or seniors.
Integration of environmental protection and pollution prevention with business management. Economic and strategic analysis of environmental protection.
SA: PRM 405
Effective Summer 2018 Effective Spring 2019

DEPARTMENT OF ANTHROPOLOGY

ANP 842  Human Osteology
Fall of even years. 5(4-2) 4(3-2) R: Approval of department.
Human bone biology, skeletal anatomy, and osteological analysis.
Effective Fall 2000 Effective Summer 2019

DEPARTMENT OF ART, ART HISTORY, AND DESIGN

HA 200  History of Graphic Design
Fall of every year. Summer of every year. 3(3-0)
Survey of visual communication. Social, global and technological developments in graphic design as it relates to art historical movements and other design disciplines. Typography of printed and digital work from 1880 to present.
DELETE COURSE
Effective Summer 2018

DEPARTMENT OF BIOSYSTEMS AND AGRICULTURAL ENGINEERING

BE 849  Quantitative Human Health Risk Modeling and Analysis for Microbial Stressors
Microbial Risk Modeling and Analysis
Fall of every years. 3(2-2) P: STT 421 or STT 464 or (STT 814 or concurrently) or approval of department RB: probability theory, mathematical modeling covered in the engineering and quantitative sciences. Background in toxicology, microbiology, food safety, and/or public health. RB: Integral calculus, intermediate statistics, probability through distribution functions. Engineering, environmental science, toxicology, microbiology, food safety, and/or public health.
Effective Spring 2016 Effective Summer 2019
DEPARTMENT OF COUNSELING, EDUCATIONAL PSYCHOLOGY, AND SPECIAL EDUCATION

CEP 889 Consultation in School Psychology
Spring of every year. 3(3-0) R: CEP 880 and CEP 881 and CEP 884 and CEP 886 P: CEP 880 and (CEP 881 or concurrently) and CEP 884 and CEP 886 R: Open to educational specialists or doctoral students in the School Psychology major. R: Open to educational specialist or doctoral students in the School Psychology Major.
Effective Fall 2009 Effective Spring 2019

CEP 894K Internship in School Psychology
Fall of every year. Spring of every year. Summer of every year. 3(3-15) 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. RB: CEP 893K R: Open to graduate students in School Psychology major. R: Open to graduate students in the School Psychology Major. Not open to students with credit in CEP 893B.
Supervised experience in school psychology. Assessment, consultation, and intervention. SA: CEP 893B
Effective Summer 2006 Effective Summer 2019

CEP 919 Current Research and Issues in School Psychology
Cultural Factors and Evidence-Based Practice in Children’s Mental Health
Fall of every year. 3(3-0) R: Open to educational specialist or doctoral students in the School Psychology Major.
Rotating topics include role function, diagnosis and eligibility concerns, innovative educational and behavioral interventions. A multicultural approach to psychology, the cultural competence to serve diverse populations, a critical perspective on the cultural validity of mental health interventions, and awareness of equity and justice in practice and research.
Effective Spring 2015 Effective Summer 2019

CEP 994K Internship in PhD School Psychology
Fall of every year. Spring of every year. 2(2-20) 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: CEP 993K RB: CEP 893K and CEP 894K R: Open only to Ph.D. students in School Psychology Major. R: Open to doctoral students in the School Psychology Major.
School psychological service delivery to school-aged populations. Experience in professional psychology.
Effective Fall 2005 Effective Summer 2019

DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES

GLG 813 Hillslope Hydrology
Watershed Hydrology
Spring of every year. 4(3-1)
Advanced course on Hillslope Hydrology covering the physical, chemical, and isotopic characteristics of river runoff generation from the pore to the catchment scale. Watershed hydrology covering the physical, chemical, and isotopic characteristics of river runoff generation from the pore to the catchment scale.
Effective Fall 2017 Effective Summer 2019
DEPARTMENT OF ENGLISH

ENG 314  Readings In North American Literatures
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) P: (Completion of Tier I Writing Requirement) or (ENG 210 or ENG 211H) RB: 6 credits of literature. RB: 3 credits of literature. R: Not open to freshmen. Extensive readings of texts by North American writers across genres, historical periods, and/or regions.

Effective Spring 2017 Effective Fall 2018

ENG 315  Readings in British Literatures
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) P: (Completion of Tier I Writing Requirement) or (ENG 210 or ENG 211H) RB: 6 credits of literature. RB: 3 credits of literature. R: Not open to freshmen. Extensive readings of texts from the British Isles and Empire, selected across genres, historical periods, and/or regions.

Effective Spring 2017 Effective Fall 2018

ENG 316  Readings in Irish Literature and Culture
Spring of every year. Ireland, Ireland, Ireland Summer of every year. Ireland, Ireland, Ireland 3(3-0) P: Completion of Tier I Writing Requirement RB: 6 credits of literature. RB: 3 credits of literature. R: Not open to freshmen. Extensive readings of texts by Irish writers selected across genres, periods, and/or regions.

Effective Spring 2014 Effective Fall 2018

ENG 318  Readings in Shakespeare
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) RB: 6 Credits of literature. R: Not open to freshmen. Extensive readings in Shakespeare's works across genres, considered in relation to historical, cultural, and performance contexts.
SA: ENG 421

Effective Spring 2017 Effective Fall 2018

ENG 319  Readings in Michigan Literature
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) P: (Completion of Tier I Writing Requirement) or (ENG 210 or ENG 211H) RB: 6 credits of literature. RB: 3 credits of literature. R: Not open to freshmen. Extensive readings of texts by Michigan writers across genres, historical periods, media, and/or different regions of the state.

Effective Spring 2017 Effective Fall 2018
PART III – COURSE CHANGES

ENG 323 Readings in Non-Fiction
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) and (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) P: {Completion of Tier I Writing Requirement} or (ENG 210 or ENG 211H) RB: 3 credits in literature R: Not open to freshmen.
   Extensive reading in major forms of literary nonfiction in English. Effective Spring 2017 Effective Fall 2018

ENG 324 Readings in Epic
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) and (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) P: {Completion of Tier I Writing Requirement} or (ENG 210 or ENG 211H) RB: 3 credits in literature
   Extensive reading of works in the ancient, medieval and/or early modern epic traditions. Forms of epic as produced within specific social and historical circumstances. SA: ENG 477A Effective Spring 2017 Effective Fall 2018

ENG 325 Readings in Graphic Narrative
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) and (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) P: {Completion of Tier I Writing Requirement} or (ENG 210 or ENG 211H) RB: Six credits of literature RB: 3 credits of literature R: Not open to freshmen.
   Extensive Readings of graphic narratives across genres, historical periods, and/or print cultures and national traditions. Effective Spring 2017 Effective Fall 2018

ENG 326 Readings in Drama and Performance Studies
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) and (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) P: {Completion of Tier I Writing Requirement} or (ENG 210 or ENG 211H) RB: 3 credits of literature R: Not open to freshmen.
   Extensive readings in drama from a range of centuries and traditions. Focus on a range of dramatic forms and cultural expression through performance, and specific social or historical circumstances. Effective Spring 2017 Effective Fall 2018

ENG 328 Readings in Novel and Narrative
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) and (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) P: {Completion of Tier I Writing Requirement} or (ENG 210 or ENG 211H) RB: 3 credits of literature R: Not open to freshmen.
   Extensive readings in the novel from a range of centuries and traditions. Forms of the novel and narrative aesthetics within specific social and historical circumstances. Effective Spring 2017 Effective Fall 2018
ENG 329  Readings in Poetry and Poetics
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) and (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) or (ENG 210 or ENG 211H) P: {Completion of Tier I Writing Requirement} or (ENG 129 or ENG 210 or ENG 211H) RB: 3 credits of literature R: Not open to freshmen.

Effective Spring 2017  Effective Fall 2018

Extensive reading in poetry in English from a range of centuries and traditions. Forms of poetry within specific social and historical circumstances. Aesthetics of language and fundamentals of poetics.

ENG 342  Readings in Popular Literary Genres
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: (((ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218) and (ENG 126 or ENG 129 or ENG 140 or ENG 142 or ENG 153 or ENG 204 or ENG 205 or ENG 206 or ENG 218)) or (ENG 210 or ENG 211H) and Completion of Tier I Writing Requirement P: {Completion of Tier I Writing Requirement} or (ENG 142 or ENG 210 or ENG 211H) RB: 6 credits of literature for non-majors. RB: 3 credits of literature R: Not open to freshmen.

Effective Spring 2017  Effective Fall 2018

Extensive reading within a particular genre of popular literature such as science fiction, crime fiction or Gothic, with possible attention to media other than print.

ENG 355  Readings in Sexuality and Literature
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Women's Studies. A student may earn a maximum of 6 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement RB: 6 credits of literature RB: 3 credits of literature R: Not open to freshmen.

Effective Spring 2014  Effective Fall 2018

Extensive reading in literature drawing on gay, lesbian, bisexual, transgender, and/or queer perspectives.

ENG 356  Readings in Jewish Literature
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement RB: 3 credits of literature R: Not open to freshmen.

Effective Spring 2014  Effective Fall 2018

Extensive readings in a range of genres by Jewish writers, including fiction, poetry, drama, memoir, and/or film. Cultural and artistic contexts of Jewish literature.

SA: ENG 344

ENG 423  Advanced Creative Non-Fiction Writing
Fall of every year. 3(3-1) P: (ENG 223) and (ENG 227 or ENG 228 or ENG 229 or FLM 334) P: (ENG 223 or ENG 226) and (ENG 227 or ENG 228 or ENG 229 or FLM 334)

Directed practice in creative non-fiction writing at the advanced level, including analysis of texts and writing exercises.

Effective Fall 2016  Effective Fall 2018

ENG 428  Advanced Fiction Writing
Fall of every year. 3(3-1) P: (ENG 228) and (ENG 223 or ENG 227 or ENG 229 or FLM 334) P: (ENG 228 or ENG 226) and (ENG 223 or ENG 227 or ENG 229 or FLM 334)

Advanced workshop in writing short stories and longer forms of fiction. Reading and analysis of published fiction.

Effective Fall 2016  Effective Fall 2018

ENG 429  Advanced Poetry Writing
Spring of every year. 3(3-1) P: (ENG 229) and (ENG 223 or ENG 227 or ENG 228 or FLM 334) P: (ENG 229 or ENG 226) and (ENG 223 or ENG 227 or ENG 228 or FLM 334)

Advanced workshop in writing original poems, reading contemporary poetry; issues of craft and poetics.

Effective Fall 2016  Effective Fall 2018
DEPARTMENT OF EPIDEMIOLOGY AND BIOSTATISTICS

EPI 890  Independent Study in Epidemiology
Independent Study in Epidemiology and Biostatistics
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. RB: EPI 810 R: Open to master's students in the Department of Epidemiology and Biostatistics. Approval of department.

Independent study in areas relevant to epidemiology such as population genetics.
Independent study in areas relevant to epidemiology and biostatistics.
Effective Fall 2014 Effective Summer 2019

DEPARTMENT OF FORESTRY

FOR 404  FOR 340  Forest Ecology
Fall of every year. 3(3-0) P: ((CSS 210) and completion of Tier I writing requirement) and (PLB 105 or BS 162 or LB 144) RB: ZOL 355 RB: IBIO 355
Ecological interactions crucial to the sustainable management of forest ecosystems. Plant resources, species interactions, succession, biodiversity, productivity, nutrient and carbon cycling, ecosystem structure and function, exotic species, global environmental change.
SA: FOR 404
Effective Fall 2013 Effective Fall 2019

FOR 404L  FOR 340L  Forest Ecology Laboratory
Fall of every year. 1(0-3) P: ((CSS 210) and completion of Tier I writing requirement) and (FOR 404 or concurrently) and (PLB 105 or BS 162 or LB 144) P: ((CSS 210) and completion of Tier I writing requirement) and (FOR 340 or concurrently) and (PLB 105 or BS 162 or LB 144) RB: ZOL 355 RB: IBIO 355
Field studies and data analysis of ecological processes central to the sustainable management of forest ecosystems. Field exercises cover primary production, community structure, soil resources, biodiversity, succession, nutrient cycling, critiques of primary literature. Weekend field trips required.
SA: FOR 404L
Effective Fall 2013 Effective Fall 2019

FOR 472  FOR 372  Ecological Monitoring and Data Analysis
Fall of every year. Spring of every year. 3(2-2) Interdepartmental with Geography. P: ((MTH 124 or MTH 132) and completion of Tier I writing requirement) and (STT 201 or STT 224 or STT 231 or STT 421)
Design of ecological monitoring systems and analysis of resulting ecological data sets. Monitoring system design, model specification and implementation, and computational considerations from both a design- and model-based perspective. Hands-on introduction to statistical software.
SA: FOR 472
Effective Fall 2013 Effective Spring 2020

FOR 462  Forest Resource Economics and Management
Fall of every year. Spring of every year. 4(3-2) P: ((EC 201) and completion of Tier I writing requirement) and (MTH 124 or MTH 132) and (STT 201 or STT 224 or STT 231 or STT 421) R: Not open to freshmen or sophomores.
Economic concepts, analytical techniques, computer simulation/forecasting models, and geographic information systems to assess economic and ecological impacts of resource management decisions at a range of spatial and temporal scales. Geospatial tools, multiple ownerships. Individual forest stands to complex multi-use landscape scales.
Effective Fall 2014 Effective Spring 2020
**DEPARTMENT OF GEOGRAPHY, ENVIRONMENT, AND SPATIAL SCIENCES**

GEO 869  **Geosimulation Agent-Based Modeling**  
Spring of every year. 3(3-0) Interdepartmental with Environmental Science and Policy. RB: Basic understanding of data structures and algorithms covered in an introductory course of any programming language. R: Approval of department.  
Theoretical concepts related to simulating dynamic geographic phenomena in the intersection between human and natural systems. Innovative agent-based methodology applied to complex social-environmental systems. Hands-on experience of agent-based modeling, with special emphasis on modeling human decision-making and its impact on the natural environment.

**Effective Fall 2017 Effective Summer 2019**

**DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES**

HDFS 983  **Advanced Research Methods in Couple and Family Therapy**  
Advanced Methods in Intervention Research  
Fall of even years. 3(3-0) RB: (CEP 933 and CEP 934) or equivalent courses and 6 credits of HDFS 902. R: Open to graduate students.  
Methodological issues. Research design, measurement, and analysis appropriate for assessing effectiveness of couple and family therapy. Development of a couple and family therapy research proposal.  
SA: FCE 983  
**Effective Summer 2017 Effective Summer 2019**

**COLLEGE OF HUMAN MEDICINE**

HM 511  **Infectious Disease and Immunology**  
Fall of every year. 3 credits. RB: Not open to first year students. R: Open only to graduate-professional students in College of Human Medicine.  
Basic sciences applied to clinically relevant situations. Problem-based small group experiences.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
DELETE COURSE  
**Effective Fall 2018**

HM 513  **Neurological Domain**  
Fall of every year. 3(3-0) RB: Not open to first year students. R: Open to graduate-professional students in College of Human Medicine.  
Basic sciences applied to clinically relevant situations. Problem-based learning small group experiences.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
DELETE COURSE  
**Effective Fall 2018**

HM 515  **Cardiovascular Domain**  
Spring of every year. 4(4-0) RB: Not open to first year students. R: Open to graduate-professional students in College of Human Medicine.  
Basic sciences applied to clinically relevant situations. Problem-based learning small group experiences.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
DELETE COURSE  
**Effective Fall 2018**
HM 516  Disorders of Thought, Emotion, and Behavior Domain  
Fall of every year. 4(4-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.  
Basic science applied to clinically relevant situations. Problem-based learning small group experiences.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
DELETE COURSE有效
Effective Fall 2018

HM 517  Musculoskeletal Domain  
Fall of every year. 2(2-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.  
Basic science applied to patient cases. Problem-based learning small group teaching.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
DELETE COURSE有效
Effective Fall 2018

HM 525  Pulmonary Domain  
Spring of every year. 3(3-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.  
Basic sciences applied to clinically relevant situations. Problem-based learning small group experiences.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
DELETE COURSE有效
Effective Fall 2018

HM 526  Urinary Tract Domain  
Spring of every year. 3(3-0) RB: Not open to first year students. R: Open only to graduate-professional students in College of Human Medicine.  
Basic sciences applied to clinically relevant situations. Problem-based small group experiences.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
DELETE COURSE有效
Effective Fall 2018

HM 527  Digestive Domain  
Spring of every year. 3 credits. RB: Block I. Not open to first year students. R: Open only to graduate-professional students in College of Human Medicine.  
Basic sciences applied to clinically relevant situations. Problem-based small group experiences.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
DELETE COURSE有效
Effective Fall 2018
HM 528  Metabolic and Endocrine and Reproductive Domain
Spring of every year. 3 credits. RB: Block I. Not open to first year students. R: Open only to graduate-professional students in College of Human medicine.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
DELETE COURSE
Effective Fall 2018

HM 531  Clinical Skills I
Fall of every year. 2(1-2) R: Open only to graduate-professional students in the College of Human Medicine.

Basic principles of doctor-patient relationship, core interviewing techniques. Exposure to clinical arena.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 6 semesters after the end of the semester of enrollment.
DELETE COURSE
Effective Fall 2018

HM 532  Clinical Skills II
Spring of every year. 2(1-2) RB: HM 531 R: Open only to graduate-professional students in the College of Human Medicine.

Adult screening physical examination and its integration with data-gathering skills.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 6 semesters after the end of the semester of enrollment.
DELETE COURSE
Effective Fall 2018

HM 533  Clinical Skills III
Summer of every year. 2(2-0) RB: HM 532 R: Open to graduate-professional students in the College of Human Medicine.

Age specific screening examinations and integration with data-gathering skills. Skill-oriented content will be supplemented with theoretical material covering the human lifespan.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
DELETE COURSE
Effective Fall 2018

HM 534  Clinical Skills IV
Fall of every year. 2(1-2) RB: HM 533 R: Open only to graduate-professional students in College of Human Medicine.

Advanced interviewing and physical examination skills. Communication of patient-related data with the patient and other health professionals, orally and in writing. Problem solving.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 6 semesters after the end of the semester of enrollment.
DELETE COURSE
Effective Fall 2018
HM 535  Clinical Skills V  
Spring of every year. Summer of every year. 2(1-2) RB: HM 535 R: Open only to graduate-professional students in College of Human Medicine.  
Advanced interviewing and physical examination skills. Oral case presentations and written medical records. Introductory problem solving skills.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 6 semesters after the end of the semester of enrollment.  
DELETE COURSE  
Effective Fall 2018

HM 539  Hematopoietic/Neoplasia Domain  
Fall of every year. 4(4-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.  
Learn and apply advanced concepts of the basic sciences to clinically relevant situations.  
Problem-based learning small group experiences.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
DELETE COURSE  
Effective Fall 2018

HM 546  The Social Context of Clinical Decisions  
Fall of every year. 1(1-0) RB: Completion of Block I requirements. R: Open only to graduate-professional students in College of Human Medicine.  
Social perspectives on medicine and medical care.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
DELETE COURSE  
Effective Fall 2018

HM 547  The Social Context of Clinical Decisions II  
Spring of every year. 2(2-0) RB: HM 546 R: Open only to graduate-professional students in College of Human Medicine.  
Issues and concepts related to social and professional responsibilities of physicians.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 6 semesters after the end of the semester of enrollment.  
DELETE COURSE  
Effective Fall 2018

HM 548  Medical Humanities Seminar  
Spring of every year. 2(2-0) RB: HM 547 R: Open only to graduate-professional students in College of Human Medicine.  
Issues related to the humanities and human values pertinent to medical practice.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 6 semesters after the end of the semester of enrollment.  
DELETE COURSE  
Effective Fall 2018
HM 561  Basic Principles of Pathology  
Spring of every year. 2 credits. R: Open to students in the College of Human Medicine.  
Fundamental pathologic processes. Clinical applications.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2  
semesters after the end of the semester of enrollment.  
SA: PTH 542  
DELETE COURSE  
Effective Fall 2018

HM 571  Integrative Clinical Correlations I  
Fall of every year. 2(2-0) RB: (ANT 551 or concurrently) and (BMB 521 or concurrently) and (PSL 501 or concurrently) R: Open only to graduate-professional students in the College of Human Medicine.  
Correlation of the principles of the basic biological and behavioral sciences with disciplines of clinical medicine using case presentations.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 6  
semesters after the end of the semester of enrollment.  
DELETE COURSE  
Effective Fall 2018

HM 572  Integrative Clinical Correlations II  
Spring of every year. 1(1-0) RB: (HM 571 or concurrently) and (ANTR 552 or concurrently) and (ANTR 562 or concurrently) and (PTH 542 or concurrently) R: Open only to graduate-professional students in the College of Human Medicine.  
Correlation of the principles of the basic biological and behavioral sciences within the disciplines of clinical medicine using case presentations.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 6  
semesters after the end of the semester of enrollment.  
DELETE COURSE  
Effective Fall 2018

HM 581  Mentor Program  
Fall of every year. 1(0-2) R: Open only to graduate-professional students in the College of Human Medicine.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 6  
semesters after the end of the semester of enrollment.  
DELETE COURSE  
Effective Fall 2018

HM 582  Mentor Program Year II  
Fall of every year. Spring of every year. 1(0-2) A student may earn a maximum of 2 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Human Medicine.  
Continuing exploration of the dimensions of being a physician. Professional skills needed to interact with patients and medical workers. Current trends.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2  
semesters after the end of the semester of enrollment.  
DELETE COURSE  
Effective Fall 2018
**MSU COLLEGE OF LAW**

**LAW 511C**  Employment Law  
Fall of every year. 2 to 4 credits, 0 to 6 credits. R: Open to students in the MSU College of Law. R: Open to Law students or law advanced students or law lifelong students or law non-degree students in the MSU College of Law. Not open to students with credit in LAW 511E. 
SA: DCL 522  
Effective Spring 2006 Effective Summer 2019  

**LAW 511D**  Labor Law  
Fall of every year. Spring of every year. 2 to 4 credits, 0 to 6 credits. R: Open to students in the MSU College of Law. R: Open to Law students or law advanced students or law lifelong students or law non-degree students in the MSU College of Law. Not open to students with credit in LAW 511E. 
This course explores the application of the National Labor Relations Act. Exploration of the application of the National Labor Relations Act.  
SA: DCL 382  
Effective Spring 2006 Effective Summer 2019  

**LYMAN BRIGGS COLLEGE**

**LB 171**  Principles of Chemistry I  
Fall of every year. Spring of every year. 4(4-0) P: MTH 114 or (MTH 116 or concurrently) or (MTH 132 or concurrently) or (MTH 133 or concurrently) or (MTH 152H or concurrently) or (LB 118 or concurrently) or (LB 119 or concurrently) R: Open to students in the Lyman Briggs College. Not open to students with credit in CEM 141 or CEM 151 or CEM 181H. C: LB 171L concurrently. 
Stoichiometry, quantum mechanics and interactions of light with matter, periodic trends, Lewis dot structures, molecular structure, polarity and intermolecular forces, valence bond theory, introduction to organic chemistry, enthalpy and heat transfer.  
SA: LBS 165, LBS 171  
Effective Spring 2014 Effective Summer 2019  

**DEPARTMENT OF MARKETING**

**MKT 819**  Advanced Marketing Research, Predictive Analytics  
Fall of every year. Spring of every year. 3(3-0) P: MKT 319 or MKT 806 or MKT 816 or MBA 904. RB: Previous coursework in marketing and marketing research. R: Open to seniors or graduate students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department. R: Open to students in the Master of Business Administration in Business Administration or in the Marketing Research major or approval of department. 
Advanced quantitative methods for marketing research for market segmentation and consumer choice using multivariate statistics, including perceptual mapping, multiple regression, cluster analysis, multidimensional scaling, discriminant analysis, conjoint analysis, and factor analysis. Advanced quantitative methods for marketing research. Focuses on marketing research for understanding and predicting sales and related marketing variables. Includes multiple regression, logistic regression, time series, and neural network modeling. Emphasis on applications of these techniques using statistical analysis software.  
Effective Fall 2010 Effective Summer 2019
MKT 864  Data Mining in Marketing  Data Mining for Marketing
Spring of every year. 1 to 3 credits. P: MKT 806 and MKT 819 or approval of department R: MKT 854 or approval of department RB: MKT 805 or MBA 830 R: Open to master's students in the Business Analytics Major or in the Marketing Research major and open to MBA students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department. R: Open to students in the Master of Business Administration in Business Administration or in the Marketing Research major or approval of department.

Statistical and computer-based techniques for exploring and exploiting very large data arrays as common to large scale marketing and marketing research projects. Introduction to Statistical Package for the Social Sciences (SPSS), Statistical Analysis System (SAS) and other computer packages. Immersion in database, warehouse and mart customer relationship management (CRM) configurations. Statistical and computer-based techniques for exploring and understanding very large data arrays in large-scale marketing research projects. Understanding how advanced computer technology, large databases, and statistical methods such as predictive and classification models work together to generate new insights into marketing strategy issues. Emphasis on applications of using statistical analysis software.

Effective Fall 2015 Effective Summer 2019

COLLEGE OF MUSIC

MUS 441  Introduction to Computer Music
Advanced Fixed Media Composition
Fall of every year. Fall of odd years. 3(3-0) 2(2-0) P: MUS 281 or approval of college P: MUS 287 or approval of college RB: Music composition majors. Other majors with experience working with a DAW, with instructor’s approval R: Open to students in the College of Music or approval of college. R: Open to undergraduate students in the College of Music or approval of college.


Effective Summer 2018 Effective Summer 2019

MUS 442  Independent Projects in Computer Music
Advanced Techniques in Real Time Performance
Fall of every year. Fall of even years. Spring of every year. 1 to 3 credits. 2(2-0) A student may earn a maximum of 3 credits in all enrollments for this course. P: MUS 441 P: MUS 387 or approval of college R: Open to undergraduate students in the Composition major or approval of college.


Effective Fall 2015 Effective Summer 2019

COLLEGE OF NURSING

NUR 330  Health Assessment and Nursing Therapeutics
Fall of every year. Spring of every year. Summer of every year. 7(3-10) P: NUR 300 R: Open to students in the Nursing Major. C: PHM 350 concurrently and NUR 340 concurrently.

Normal physiology and pathophyiology. Theories of growth and development across the life span. Therapeutic communication and physical, psychosocial, cultural and spiritual assessment techniques and mastery of basic nursing therapeutics. Understanding the significance of abnormal physiological health transitions of the adult.

DELETE COURSE
Effective Summer 2018
PART III – COURSE CHANGES

NUR 360  Acute Nursing Care of Adults and Older Adults
Fall of every year. Spring of every year. 8(4-12) P: NUR 330 and NUR 340 C: NUR 370 concurrently.
Integration of concepts and theories into beginning level Nursing practice. Examination of dynamic interrelationship between professional, scholarly nursing practice, and the health and wellness of diverse persons and populations across the life span.
DELETE COURSE
Effective Summer 2018

NUR 370  Mental Health and Psychiatric Nursing
Fall of every year. Spring of every year. 4(2-6) P: NUR 330 and NUR 340 C: NUR 360 concurrently.
Extension of foundational social science concepts into nursing therapeutics aimed at mental health and the care of persons with mental illnesses. Medication and non-medications interventions, group interventions, and therapeutic environments.
DELETE COURSE
Effective Summer 2018

NUR 435  Nursing Care of the Childbearing Family
Fall of every year. Spring of every year. 4(2-6) P: NUR 360 and NUR 370 C: NUR 440 concurrently.
Health promotion and risk assessment of individuals and families during pregnancy and birth. Therapeutic communication and assessment skills for providing holistic care to culturally diverse childbearing families during the prenatal, intrapartum, and postpartum periods. Caring for mother and baby in utero and after birth.
DELETE COURSE
Effective Summer 2018

NUR 440  Nursing Care of Children, Adolescents and Their Families
Fall of every year. Spring of every year. 4(2-6) P: NUR 360 and NUR 370 C: NUR 435 concurrently.
Theoretical concepts and clinical application of nursing care of infants, children, and adolescents in varied health care and community settings. Synthesis of pathophysiologic, pharmacologic, and therapeutic concepts. Family-centered care of children within developmental, cultural, ethnic, religious, and social structures.
DELETE COURSE
Effective Summer 2018

NUR 450  Integrative Seminar
Fall of every year. Spring of every year. 2(4-0) C: NUR 435 concurrently or NUR 440 concurrently.
Integration of concepts and theories into intermediate-level nursing practice. Dynamic interrelationship between professional, evidence-based practice, and health and wellness throughout the lifespan.
DELETE COURSE
Effective Summer 2018

NUR 480  Role Transition Seminar
Fall of every year. Spring of every year. Summer of every year. 3(6-0) P: (NUR 435 and NUR 440 and NUR 450) and completion of Tier I writing requirement C: NUR 460 concurrently or NUR 470 concurrently.
Advanced-level evidence-based practice for transition to entry-level nursing. Ethical decision and policy-making at the organization level.
DELETE COURSE
Effective Summer 2018
PART III – COURSE CHANGES

DEPARTMENT OF PHILOSOPHY

**PHL 351**
African Philosophy
Spring of every year. 3(3-0) RB: One philosophy course
Debates about the nature of philosophy in Africa and specific controversies about knowledge, rationality, metaphysics, morality, and politics. African philosophy in a global context.
SA: PHL 351
Effective Fall 2016 Effective Fall 2019

**PHL 315**
African Philosophy
Spring of every year. 3(3-0) RB: One philosophy course
Debates about the nature of philosophy in Africa and specific controversies about knowledge, rationality, metaphysics, morality, and politics. African philosophy in a global context.
SA: PHL 351
Effective Fall 2016 Effective Fall 2019

SCHOOL OF PLANNING, DESIGN AND CONSTRUCTION

**IDES 250**
**CAD and Structural Systems**
**3D Modeling and Visualization**
Fall of every year. Spring of every year. 3(3-0) P: IDES 240
Application of computer-aided design and structural principles in generating design solutions. Applications in 3D modeling, digital visualization, and structural principles in generating design solutions.
SA: HED 250
Effective Summer 2013 Effective Summer 2019

**PDC 491**
**Special Topics**
Special Topics in Planning, Design and Construction
Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. RB: Completion of Tier I Writing Requirement R: Open to undergraduate students or graduate students in the School of Planning, Design and Construction. Approval of school
Selected topics that integrate content across construction management, interior design, landscape architecture and urban and regional planning.
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 Summer 2019

DEPARTMENT OF RADIOLOGY

**ANTR 685**
Directed Study in Clinical Prosection
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 15 credits in all enrollments for this course. RB: Open to Clerkship Students in the College of Human Medicine and College of Osteopathic Medicine. R: Open to human medicine students in the College of Human Medicine and open to osteopathic medicine students in the College of Osteopathic Medicine. Approval of department.
Anatomical prosection and body-region specific pathologies.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Summer 2014 Effective Spring 2018

**RAD 553**
Introduction to Radiology
Spring of every year. 1(1-0) R: Open only to graduate-professional students in the Colleges of Human Medicine and the College of Osteopathic Medicine or approval of department.
Principles of medical diagnostic radiology: means of generating diagnostic images, and anatomical and physiological changes that result in such images.
DELETE COURSE
Effective Summer 2018
DEPARTMENT OF RELIGIOUS STUDIES

REL 230  Shamanism, Trance and Sacred Journeys
Fall of every year. 3(3-0)
Shamanic practice in different cultural and religious contexts. Ecstatic, cosmological, and performative dimensions. Healing, sacred knowledge, spiritual journeys, sacred space, presence in world religions, patterns of pilgrimage, theoretical debates regarding shamanism.
DELETE COURSE
Effective Fall 2019

DEPARTMENT OF SURGERY

SUR 609  Otolaryngology Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Common otolaryngologic disorders, emergencies. Diagnosis and treatment. Primary physician's judgments about management.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018 Effective Fall 2018

SUR 610  Plastic Surgery Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Principles of wound healing and tissue repair. Indications and applications of plastic surgery procedures.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018 Effective Fall 2018

SUR 611  Urology Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Demonstration of clinical manifestations of genito-urinary disease, investigative methods and techniques of diagnosis and management. Urologic emergencies and performance of basic urologic skills.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018 Effective Fall 2018

SUR 612  General Surgery Sub-Internship
Fall of every year. Spring of every year. Summer of every year. 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: SUR 608 P: (SUR 608) or (SUR 641 and SUR 642) R: Open to graduate-professional students in the College of Human Medicine.
Exposure to wide range of surgical problems as an integral part of the surgical team.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2006 Effective Fall 2018
SUR 613 Orthopedic Surgery Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine. Diagnosis and management skills in common orthopedic problems. Orthopedic emergencies. Request the use of the Pass-No Grade (P-N) system. Request the use of ET-Extension to postpone grading. The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment. Effective Summer 2018 Effective Fall 2018

SUR 614 Neurosurgery Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine. Problems related to common emergent and elective neurosurgery involving the brain, spine, and peripheral nerves. Neurological examinations, diagnostic methods. Request the use of the Pass-No Grade (P-N) system. Request the use of ET-Extension to postpone grading. The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment. Effective Summer 2018 Effective Fall 2018

SUR 615 Ophthalmology Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine. Medical and surgical treatment of eye diseases. Clinical experiences include private office practice, surgical observations, pre- and post-operative care. Request the use of the Pass-No Grade (P-N) system. Request the use of ET-Extension to postpone grading. The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment. Effective Summer 2018 Effective Fall 2018

SUR 616 Thoracic Surgery Clerkship
Cardiothoracic Surgery Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine. Problem solving in thoracic medicine and surgery. Pulmonary physiology. Diagnostic tools and tests, and indications for surgical procedures. Problem solving in cardio thoracic medicine and surgery. Diagnostic tools and tests, and indications for surgical procedures. Request the use of the Pass-No Grade (P-N) system. Request the use of ET-Extension to postpone grading. The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment. Effective Summer 2018 Effective Summer 2019

SUR 617 Trauma-Critical Care Clerkship
Critical Care Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or HM 556 P: SUR 608 or SUR 641 R: Open to graduate-professional students in the College of Human Medicine. Focused experience in trauma and critical care as part of a surgical team at a Level One Trauma Center. Focused experience in critical care as part of a surgical team. Request the use of the Pass-No Grade (P-N) system. Request the use of ET-Extension to postpone grading. The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment. Effective Summer 2018 Effective Summer 2019
SUR 618  Anesthesia Clerkship  
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Common anesthetic agents and procedures. Operative and post-operative effects, complications, patient risk, cost. Performing anesthetic procedures under faculty supervision.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
**Effective Summer 2018  Effective Fall 2018**

SUR 619  Sub-specialty Surgery Clerkship  
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Surgical domains not covered in other clerkship experiences in which students desire further exposure.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
**Effective Summer 2018  Effective Fall 2018**

SUR 622  Pediatric Orthopedic Surgery Clerkship  
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
evaluation and management strategies for common pediatric orthopedic maladies.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
**Effective Summer 2018  Effective Fall 2018**

SUR 623  Sports Medicine Orthopedic Surgery Clerkship  
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
evaluation and management strategies for common sports medicine maladies presenting to the orthopedic surgeon.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
**Effective Summer 2018  Effective Fall 2018**

SUR 624  Vascular Surgery Clerkship  
Fall of every year. Spring of even years. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
evaluation, management and knowledge of vascular surgical conditions.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
**Effective Summer 2018  Effective Fall 2018**
PART III – COURSE CHANGES

SUR 625  Hand Surgery Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Evaluation, management and knowledge of hand surgery conditions.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018 Effective Fall 2018

SUR 626  Pediatric Surgery Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Evaluation, management and knowledge of general pediatric surgical conditions.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018 Effective Fall 2018

SUR 627  Burns Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Evaluation, management and knowledge of burns in trauma patients.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018 Effective Fall 2018

SUR 628  Trauma Surgery Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Evaluation, management and knowledge of trauma in trauma patients.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018 Effective Fall 2018

SUR 629  Colorectal Surgery Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641 RB: SUR 608 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Evaluation, management and knowledge of colorectal surgical conditions.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018 Effective Fall 2018
SUR 630  Surgical Wound Care Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641  RB: SUR 608 or HM 556  R: Open to graduate-professional students in the College of Human Medicine.
Evaluation, management and knowledge of wound care in surgical patients.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018  Effective Fall 2018

SUR 631  Surgical Oncology Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641  RB: SUR 608 or HM 556  R: Open to graduate-professional students in the College of Human Medicine.
Evaluation, management and knowledge of surgical oncology conditions.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018  Effective Fall 2018

SUR 632  Surgical Nutrition Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: SUR 608 or SUR 641  RB: SUR 608 or HM 556  R: Open to graduate-professional students in the College of Human Medicine.
Evaluation, management and knowledge of nutrition in critically-ill surgical patients.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2018  Effective Fall 2018

COLLEGE OF VETERINARY MEDICINE

VM 834  Current Issues in Food Safety
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. 1 to 9 credits. A student may earn a maximum of 6 credits in all enrollments for this course. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to graduate students in the College of Veterinary Medicine or in the Department of Large Animal Clinical Sciences or in the Food Safety Major or approval of college.
Current issues in food safety including: allergen control in the manufacturing setting, microbial control in the manufacturing setting, good manufacturing practices, ingredient safety, preventative control, produce food safety. Other topics as needed. Allergen control in the manufacturing setting, microbial control in the manufacturing setting, good manufacturing practices, ingredient safety, preventative control, produce food safety and other topics as needed.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Fall 2017  Effective Summer 2019