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

This report is prepared and distributed for the following purposes:

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

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

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

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

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

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

¹One or more of the abbreviations that follow may be included in a course entry:
P: Prerequisite monitored in SIS
C: Corequisite
R: Restriction
RB: Recommended background
SA: Semester Alias
TO: Faculty Senate

FROM: University Committee on Curriculum

SUBJECT: New Academic Programs and Program Changes:
New Courses and Course Changes

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

1. Change the requirements for the Bachelor of Science degree in Agribusiness Management in the Department of Agricultural, Food, and Resource Economics. The University Committee on Undergraduate Education (UCUE) approved this request at its February 26, 2015 meeting.

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

   (1) In item 2., replace paragraph four with the following:

   Students must achieve a grade of at least 2.0 or higher in each ABM and FIM and EEP course referenced in items 3. a. and in all courses taken to fulfill requirements 3. b. and 3. c.

   (2) In item 2., replace paragraph five with the following:

   Agribusiness Management 435 and Environmental Economics and Policy 405 may be used to fulfill requirement 3. b. if it is not used to fulfill requirement 3. c. Agribusiness Management 130 may be used to fulfill requirement 3. b. if it is not used to fulfill requirement 3. e.

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

   ABM 435 Financial Management in the Agri-Food System 3
   CSE 101 Computing Concepts and Competencies 3
   MGT 325 Management Skills and Processes 3

   Add the following courses:

   ABM 203 Data Analysis for the Agri-Food System 3
   ABM 222 Agribusiness and Food Industry Sales (W) 3
   EEP 260 World Food, Population and Poverty 3
   MTH 124 Survey of Calculus I 3

   (4) Change item 3. b. to the following:

   Three of the following courses (9 credits):

   ABM 130 Farm Management I 3
   ABM 337 Labor and Personnel Management in the Agri-Food System 3
   ABM 400 Public Policy Issues in the Agri-Food System 3
   ABM 425 Commodity Marketing II 3
   ABM 427 Global Agri-Food Industries and Markets 3
   ABM 430 Farm Management II 3
   ABM 435 Financial Management in the Agri-Food System 3
   EEP 405 Corporate Environmental Management (W) 3
   FIM 335 Food Marketing Management 3
   FIM 460 Retail Information Systems 3
   GBL 323 Introduction to Business Law 3
   MGT 325 Management Skills and Processes 3

   (5) Change item 3. c. to the following:
One of the following courses (3 credits):
ABM 435 Financial Management in the Agri-Food System 3
EEP 405 Corporate Environmental Management (W) 3

(6) Delete items 3. e. and 3. f. and replace with the following:

e. One of the following courses (3 credits):
   ABM 130 Farm Management I 3
   FI 320 Introduction to Finance 3

f. One of the following courses (3 credits):
   ABM 303 Economics of Decision Making in the Agri-Food System 3
   EC 301 Intermediate Microeconomics 3

g. One of the following, as approved by the academic advisor (3 credits):
   ABM 490 Independent Study 3
   ABM 493 Professional Internship in Agribusiness Management 3
   Study Abroad as approved by academic advisor 3

h. 6 credits from the same science discipline with at least 3 credits at the 300 or 400 level, as approved by the academic advisor.

Effective Fall 2015.

2. Change the award type of the Specialization in Agribusiness Management to Minor in Agribusiness Management in the Department of Agricultural, Food, and Resource Economics.

Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in Agribusiness Management Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

3. Change the requirements for the Minor in Agribusiness Management in the Department of Agricultural, Food, and Resource Economics.

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

   (1) In item 2, delete the following course:
      ABM 332 Agribusiness Operations Management 3
      Add the following course:
      ABM 435 Financial Management in the Agri-Food System 3

   (2) In item 3, delete the following course:
      ABM 435 Financial Management in the Agri-Food System 3
      Add the following course:
      FIM 439 Food Business Analysis and Strategic Planning (W) 3
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

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

MSC 327 Introduction to Marketing     3
RET 373 Merchandising Management Entrepreneurship  3

Add the following course:

MKT 327 Introduction to Marketing     3

Effective Fall 2015.

4. Change the name of the Bachelor of Science degree in Environmental Economics and Policy to Environmental Economics and Management in the Department of Agricultural, Food, and Resource Economics. The University Committee on Undergraduate Education (UCUE) approved this request at its February 26, 2015 meeting.

Students admitted to the major prior to Fall 2015 will graduate with a Bachelor of Science degree in Environmental Economics and Policy.

Students admitted to the major Fall 2015 and forward will graduate with a Bachelor of Science degree in Environmental Economics and Management.

5. Change the requirements for the Bachelor of Science degree in Environmental Economics and Management in the Department of Agricultural, Food, and Resource Economics. The University Committee on Undergraduate Education (UCUE) approved this request at its February 26, 2015 meeting.

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

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

The University’s Tier II writing requirement for the Environmental Economics and Management major is met by completing Environmental Economics and Policy 405. That course is referenced in item 3. a. below.

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

Students must achieve a grade of at least 2.0 or higher in each ABM and FIM and EEP course referenced in items 3. a. and in courses taken to fulfill requirements 3. b., 3. c., and 3. d.

Agribusiness Management 435 and 437 and Food Industry Management 339 may be used to fulfill requirement 3. b. if it is not used to fulfill requirement 3. c.

Agribusiness Management 130 may be used to fulfill requirement 3. b. if it is not used to fulfill requirement 3. d.

(3) Replace item 3. with the following:

The following requirements for the major:
a. All of the following courses (44 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABM 100</td>
<td>Decision-making in the Agri-Food System</td>
<td>3</td>
</tr>
<tr>
<td>ABM 210</td>
<td>Professional Seminar in Agribusiness Management</td>
<td>1</td>
</tr>
<tr>
<td>ABM 410</td>
<td>Advanced Professional Seminar in Agribusiness Management</td>
<td>1</td>
</tr>
<tr>
<td>ACC 230</td>
<td>Survey of Accounting Concepts</td>
<td>3</td>
</tr>
<tr>
<td>EC 201</td>
<td>Introduction to Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>EC 202</td>
<td>Introduction to Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>EEP 255</td>
<td>Ecological Economics</td>
<td>3</td>
</tr>
<tr>
<td>EEP 260</td>
<td>World Food, Population and Poverty</td>
<td>3</td>
</tr>
<tr>
<td>EEP 320</td>
<td>Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td>EEP 405</td>
<td>Corporate Environmental Management (W)</td>
<td>3</td>
</tr>
<tr>
<td>EEP 460</td>
<td>Natural Resource Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIM 203</td>
<td>Data Analysis for the Agri-Food System</td>
<td>3</td>
</tr>
</tbody>
</table>
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

FIM 220 Food Product Marketing 3
MKT 327 Introduction to Marketing 3
MTH 124 Survey of Calculus I 3
SCM 303 Introduction to Supply Chain Management 3

b. Three of the following courses (9 credits):
   ABM 130 Farm Management I 3
   ABM 222 Agribusiness and Food Industry Sales (W) 3
   ABM 225 Commodity Marketing I 3
   ABM 337 Labor and Personnel Management in the Agri-Food System 3
   ABM 400 Public Policy Issues in the Agri-Food System 3
   ABM 422 Vertical Coordination in the Agri-Food System 3
   ABM 425 Commodity Marketing II 3
   ABM 427 Global Agri-Food Industries and Markets 3
   ABM 430 Farm Management II 3
   ABM 435 Financial Management in the Agri-Food System 3
   ABM 437 Agribusiness Strategic Management (W) 3
   CSUS 354 Water Resources Management 3
   CSUS 429 Program Planning and Evaluation 3
   CSUS 464 Environmental and Natural Resource Policy in Michigan 3
   CSUS 465 Environmental and Natural Resource Law 3
   EEP 404 Public Sector Budgeting and Program Evaluation (W) 3
   FIM 224 Information and Market Intelligence in the Agri-Food Industry 3
   FIM 335 Food Marketing Management 3
   FIM 439 Food Business Analysis and Strategic Planning (W) 3
   FOR 466 Natural Resource Policy 3
   FW 419 Applications of Geographic Information Systems to Natural Resource Management 3
   MGT 325 Management Skills and Processes 3

c. One of the following courses (3 credits):
   ABM 435 Financial Management in the Agri-Food System 3
   ABM 437 Agribusiness Strategic Management (W) 3
   FIM 439 Food Business Analysis and Strategic Planning (W) 3

d. One of the following courses (3 credits):
   ABM 130 Farm Management I 3
   FI 320 Introduction to Finance 3

e. One of the following courses (3 or 4 credits):
   STT 200 Statistical Methods 3
   STT 201 Statistical Methods 4
   STT 315 Introduction to Probability and Statistics for Business 3

f. One of the following courses (3 credits):
   ABM 303 Economics of Decision Making in the Agri-Food System 3
   EC 301 Intermediate Microeconomics 3

g. One of the following courses as approved by the academic advisor (3 credits):
   EEP 490 Independent and Supervised Study 3
   EEP 493 Professional Internship in Environmental Economics and Policy 3

h. 6 credits from the same science discipline with at least 3 credits at the 300 or 400 level, as approved by the academic advisor.

Effective Fall 2015.
6. Change the award type of the **Specialization in Environmental Economics** to **Minor in Environmental Economics** in the Department of Agricultural, Food, and Resource Economics.

*Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.*

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in Environmental Economics Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

7. Change the requirements for the **Minor in Environmental Economics** in the Department of Agricultural, Food, and Resource Economics.

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

   (1) In item 1, delete the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 202</td>
<td>Introduction to Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>EC 252H</td>
<td>Macroeconomics and Public Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

   Add the following course:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 301</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

   (2) In item 2, make the following changes:

   (a) Change the total credits from ‘9’ to ‘12’.

   (b) Delete the following course:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RD 460</td>
<td>Natural Resource Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

   Add the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP 405</td>
<td>Corporate Environmental Management (W)</td>
<td>3</td>
</tr>
<tr>
<td>EEP 460</td>
<td>Natural Resource Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

   (3) Replace item 3, with the following:

   One of the following courses (3 or 4 credits):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSUS 354</td>
<td>Water Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>CSUS 425</td>
<td>Environmental Impact Assessment</td>
<td>3</td>
</tr>
<tr>
<td>CSUS 429</td>
<td>Program Planning and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>CSUS 464</td>
<td>Environmental and Natural Resource Policy in Michigan</td>
<td>3</td>
</tr>
<tr>
<td>CSUS 465</td>
<td>Environmental and Natural Resource Law</td>
<td>3</td>
</tr>
<tr>
<td>EC 450</td>
<td>Economics of Environmental Policy (W)</td>
<td>3</td>
</tr>
<tr>
<td>FOR 466</td>
<td>Natural Resource Policy</td>
<td>3</td>
</tr>
<tr>
<td>FW 364</td>
<td>Ecological Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>GEO 324</td>
<td>Remote Sensing of the Environment</td>
<td>4</td>
</tr>
<tr>
<td>GEO 402</td>
<td>Agricultural Climatology</td>
<td>3</td>
</tr>
<tr>
<td>PKG 370</td>
<td>Packaging and the Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

   Effective Fall 2015.
8. Change the requirements for the Bachelor of Science degree in Food Industry Management in the Department of Agricultural, Food, and Resource Economics. The University Committee on Undergraduate Education (UCUE) approved this request at its February 26, 2015.

a. Under the heading Requirements for the Bachelor of Science Degree in Food Industry Management make the following changes:

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

Students must achieve a grade of at least 2.0 or higher in each ABM and FIM and EEP course referenced in items 3. a. and in courses taken to fulfill requirements 3. b., 3. c., and 3. d.

Agribusiness Management 435 may be used to fulfill requirement 3. b. if it is not used to fulfill requirement 3. c.

Environmental Economics and Policy 405 may be used to fulfill requirement 3. b. if it is not used to fulfill requirement 3. c.

Agribusiness Management 130 may be used to fulfill requirement 3. b. if it is not used to fulfill requirement 3. d.

(2) Replace item 3. with the following:

The following requirements for the major:

a. All of the following courses (44 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABM 100</td>
<td>Decision-making in the Agri-Food System</td>
<td>3</td>
</tr>
<tr>
<td>ABM 203</td>
<td>Data Analysis for the Agri-Food System</td>
<td>3</td>
</tr>
<tr>
<td>ABM 222</td>
<td>Agribusiness and Food Industry Sales (W)</td>
<td>3</td>
</tr>
<tr>
<td>ACC 230</td>
<td>Survey of Accounting Concepts</td>
<td>3</td>
</tr>
<tr>
<td>EC 201</td>
<td>Introduction to Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>EC 202</td>
<td>Introduction to Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>EEP 260</td>
<td>World Food, Population and Poverty</td>
<td>3</td>
</tr>
<tr>
<td>FIM 210</td>
<td>Professional Seminar in Food Industry</td>
<td>1</td>
</tr>
<tr>
<td>FIM 220</td>
<td>Food Product Marketing</td>
<td>3</td>
</tr>
<tr>
<td>FIM 335</td>
<td>Food Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>FIM 410</td>
<td>Advanced Professional Seminar in Food</td>
<td>1</td>
</tr>
<tr>
<td>FIM 439</td>
<td>Food Business Analysis and Strategic</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Planning (W)</td>
<td></td>
</tr>
<tr>
<td>FIM 460</td>
<td>Retail Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>MKT 327</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MTH 124</td>
<td>Survey of Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>SCM 303</td>
<td>Introduction to Supply Chain Management</td>
<td>3</td>
</tr>
</tbody>
</table>

b. Three of the following courses (9 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABM 130</td>
<td>Farm Management I</td>
<td>3</td>
</tr>
<tr>
<td>ABM 225</td>
<td>Commodity Marketing I</td>
<td>3</td>
</tr>
<tr>
<td>ABM 400</td>
<td>Public Policy Issues in the Agri-Food System</td>
<td>3</td>
</tr>
<tr>
<td>ABM 422</td>
<td>Vertical Coordination in the Agri-Food System</td>
<td>3</td>
</tr>
<tr>
<td>ABM 425</td>
<td>Commodity Marketing II</td>
<td>3</td>
</tr>
<tr>
<td>ABM 427</td>
<td>Global Agri-Food Industries and Markets</td>
<td>3</td>
</tr>
<tr>
<td>ABM 435</td>
<td>Financial Management in the Agri-Food System</td>
<td>3</td>
</tr>
<tr>
<td>EEP 405</td>
<td>Corporate Environmental Management (W)</td>
<td>3</td>
</tr>
<tr>
<td>FIM 224</td>
<td>Information and Market Intelligence in the</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Agri-Food Industry</td>
<td></td>
</tr>
<tr>
<td>FIM 415</td>
<td>Human Resource Management: Changes and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Challenges</td>
<td>3</td>
</tr>
<tr>
<td>GBL 323</td>
<td>Introduction to Business Law</td>
<td>3</td>
</tr>
<tr>
<td>MGT 325</td>
<td>Management Skills and Processes</td>
<td>3</td>
</tr>
<tr>
<td>MKT 351</td>
<td>Retail Management</td>
<td>3</td>
</tr>
</tbody>
</table>

c. One of the following courses (3 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABM 435</td>
<td>Financial Management in the Agri-Food System</td>
<td>3</td>
</tr>
<tr>
<td>EEP 405</td>
<td>Corporate Environmental Management (W)</td>
<td>3</td>
</tr>
</tbody>
</table>
d. One of the following courses (3 credits):
   ABM 130 Farm Management I    3
   FI 320 Introduction to Finance    3

e. One of the following courses (3 or 4 credits):
   STT 200 Statistical Methods    3
   STT 201 Statistical Methods    4
   STT 315 Introduction to Probability and Statistics for Business    3

f. One of the following courses (3 credits):
   ABM 303 Economics of Decision Making in the Agri-Food System    3
   EC 301 Intermediate Microeconomics    3

g. One of the following courses as approved by the academic advisor (3 credits):
   FIM 490 Independent Study in Food Industry Management    3
   FIM 493 Professional Internship in Food Industry Management    3
   Study Abroad as approved by academic advisor    3

h. 6 credits from the same science discipline with at least 3 credits at the 300 or 400 level, as approved by the academic advisor.

Effective Fall 2015.

9. Change the award type of the Specialization in Food Industry Management to Minor in Food Industry Management in the Department of Agricultural, Food, and Resource Economics.

   Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.

   Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

   Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

   Students admitted to the Minor in Food Industry Management Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

10. Change the requirements for the Minor in Food Industry Management in the Department of Agricultural, Food, and Resource Economics.

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

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

   ABM 337 Labor and Personnel Management in the Agri-Food System    3
   MSC 351 Retail Management    3

   Add the following courses:

   ABM 437 Agribusiness Strategic Management (W)    3
   FIM 335 Food Marketing Management    3
   FIM 415 Human Resource Management: Changes and Challenges    3
   MKT 351 Retail Management    3

   (2) In item 4. delete the following course:

   MSC 327 Retail Management    3
Add the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABM 437</td>
<td>Agribusiness Strategic Management (W)</td>
<td>3</td>
</tr>
<tr>
<td>SCM 303</td>
<td>Introduction to Supply Chain Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Add the following note:

Courses used to fulfill this requirement may not be used to fulfill requirement 2.

Effective Fall 2015.

11. Change the name and award type of the **Specialization in Natural Resource Recreation** to **Minor in Sustainable Natural Resource Recreation Management** in the Department of Community Sustainability.

*Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.*

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in Sustainable Natural Resource Recreation Management Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

12. Change the requirements for the **Minor in Sustainable Natural Resource Recreation Management** in the Department of Community Sustainability.

a. Under the heading **Minor in Sustainable Natural Resource Recreation Management** make the following changes:

1. In item 2., add the following course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSUS 273</td>
<td>Introduction to Travel and Tourism</td>
<td>3</td>
</tr>
</tbody>
</table>

2. In item 3., delete the following course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FW 443</td>
<td>Restoration Ecology</td>
<td>3</td>
</tr>
</tbody>
</table>

Add the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSUS 464</td>
<td>Environmental and Natural Resource Policy in Michigan</td>
<td>3</td>
</tr>
<tr>
<td>CSUS 473</td>
<td>Social Entrepreneurship and Community Sustainability</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective Fall 2015.
13. Change the requirements for the **Bachelor of Science** degree in **Entomology** in the Department of Entomology.

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

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

         The University's Tier II writing requirement for the Entomology major is met by completing Entomology 479. This course is referenced in item 3. below.

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

         (a) Change the total credits from '46' to '47'.

         (b) Delete the following courses:

            | Course   | Credits |
            |----------|---------|
            | CSE 101  | 3       |
            | MTH 126  | 3       |
            | STT 421  | 3       |

         Add the following courses:

            | Course   | Credits |
            |----------|---------|
            | ENT 479  | 3       |
            | GEO 221  | 3       |
            | GEO 221L | 1       |

      (3) Delete item 3. b. and replace with the following:

         One of the following courses:

            | Course   | Credits |
            |----------|---------|
            | MTH 126  | 3       |
            | STT 421  | 3       |

   Effective Fall 2015.

14. Change the requirements for the **Minor in Agronomy** in the Department of Plant, Soil and Microbial Sciences.

   a. Under the heading **Minor in Agronomy** make the following changes:

      (1) Change the total credits from '15 to 18' to '16 to 19'.

      (2) In item 1. change the total credits from '9' to '10' and add the following course:

            | Course   | Credits |
            |----------|---------|
            | CSS 101L | 1       |

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

            | Course   | Credits |
            |----------|---------|
            | CSS 302  | 3       |

         Add the following course:

            | Course   | Credits |
            |----------|---------|
            | CSS 288  | 3       |

   Effective Fall 2015.
15. Change the requirements for the Bachelor of Science degree in Crop and Soil Sciences in the Department of Plant, Soil and Microbial Sciences.

The concentrations in the Bachelor of Science degree in Crop and Soil Sciences are noted on the student’s academic record when the requirements for the degree have been completed.

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

(1) In item 3. b. change the total credits from '57 to 67' to '58 to 69'.

(2) In item 3. b. Agronomic Sciences concentration make the following changes:

(a) Change the total credits from '57 or 58' to '58 or 59'.

(b) Add the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS 101L</td>
<td>Introduction to crop Science Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CSS 288</td>
<td>Principles of Weed Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Delete the following course:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS 302</td>
<td>Principles of Weed Management</td>
<td>3</td>
</tr>
</tbody>
</table>

(3) In item 3. b. Turfgrass Management concentration make the following changes:

(a) Delete the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS 302</td>
<td>Principles of Weed Management</td>
<td>3</td>
</tr>
<tr>
<td>PLP 366</td>
<td>Turfgrass Pathology</td>
<td>3</td>
</tr>
</tbody>
</table>

Add the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS 288</td>
<td>Principles of Weed Management</td>
<td>3</td>
</tr>
<tr>
<td>PLP 266</td>
<td>Turf Pathology</td>
<td>3</td>
</tr>
</tbody>
</table>

(4) In item 3. b. Advanced Study concentration make the following changes:

(a) Change the total credits from '68' to '69'

(b) In item (1) change the credits from '59' to '60' and add the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS 101L</td>
<td>Introduction to crop Science Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CSS 288</td>
<td>Principles of Weed Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Delete the following course:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS 302</td>
<td>Principles of Weed Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective Fall 2015.
16. Change the award type of the Specialization in International Agriculture to Minor in International Agriculture in the Department of Plant, Soil and Microbial Sciences.

Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in International Agriculture Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

17. Change the requirements for the Minor in International Agriculture in the Department of Plant, Soil and Microbial Sciences.

a. Under the heading Minor in International Agriculture make the following changes:

(1) In item 2., change ‘six weeks’ to ‘five weeks’.

(2) In item 4. add the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 410</td>
<td>Geography of Food and Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>HNF 406</td>
<td>Global Foods and Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

Delete the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANP 470</td>
<td>Food, Hunger and Society</td>
<td>3</td>
</tr>
<tr>
<td>FOR 450</td>
<td>Forestry in International Development</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective Fall 2015.

18. Change the award type of the Specialization in Sustainable Agriculture and Food Systems to Minor in Sustainable Agriculture and Food Systems in the Department of Plant, Soil and Microbial Sciences.

Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in Sustainable Agriculture and Food Systems Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.
19. Change the requirements for the **Minor in Sustainable Agriculture and Food Systems** in the Department of Plant, Soil and Microbial Sciences.

   a. Under the heading **Minor in Sustainable Agriculture and Food Systems** replace the entire entry with the following:

   The student must complete 15 credits from the following:

   1. All of the following courses (6 credits):
      - CSS 124 Introduction to Sustainable Agriculture and Food Systems
      - CSS 224 Sustainable Farm and Food Systems Field Studies
      - CSS 424 Sustainable Agriculture and Food Systems: Integration and Synthesis

   2. One or two of the following courses (3 to 6 credits):

      - Agricultural Sciences
      - CSS 101 Introduction to Crop Science
      - CSS 360 Soil Biology
      - CSS 431 International Agricultural Systems
      - CSS 442 Agricultural Ecology
      - ENT 479 Organic Pest Management (W)
      - HNF 150 Introduction to Human Nutrition
      - HRT 203 Principles of Horticulture
      - HRT 251 Organic Farming Principles and Practices
      - HRT 341 Vegetable Production and Management
      - HRT 486 Biotechnology in Agriculture: Applications and Ethical Issues

   3. One or two of the following courses (3 to 6 credits):

      - ABM 400 Public Policy Issues in the Agri-Food System
      - CSUS 343 Community Food and Agricultural Systems
      - EEP 225 Ecological Economics
      - EEP 260 World Food, Population and Poverty
      - GEO 410 Geography of Food and Agriculture
      - HNF 406 Global Foods and Culture
      - RCAH 292B Engagement and Reflection

   Effective Fall 2015.

20. Change the requirements for the **Agricultural Technology Certificate in Agricultural Industries** in The Institute of Agricultural Technology.

   a. Under the heading **Agricultural Industries** make the following changes:

   (1) In item 1. make the following changes:

      (a) Delete the following course:

      - CSS 302 Principles of Weed Management

      Add the following courses:

      - CSS 101L Introduction to Crop Science Laboratory
      - CSS 288 Principles of Weed Management

      (b) Change the total credits from '30 to 33' to '30 to 34'.

   (2) In item 2. make the following changes:

      (a) Delete the following courses:

      - AE 150 Metal Fabrication Technology
      - AE 252 Gasoline and Diesel Engine Technology
      - AE 261 Principles of Animal Environments
      - ANS 205 Reproduction in Livestock
      - CSS 251 Organic Farming Principles and Practices
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

HRT 335 Berry Crop Production and Management 1

Add the following courses:

AE 151 Fabrication Technology 2
AE 153 Engine and Equipment Technology 2
HRT 251 Organic Farming Principles and Practices 3

Effective Fall 2015.

21. Establish an Agricultural Technology Certificate in Agricultural Operations in the Institute of Agricultural Technology. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its November 13, 2014 meeting.

a. Background Information:

Certificate programs in the areas of horticulture were developed and launched as off-campus programs in the mid-1990s. The Institute of Agricultural Technology has successfully operated these program. There are currently no programs available for individuals interested in general agricultural operations. Changes in these industries now warrant a program in this area to be offered. There is a need to provide agricultural management educational training to students who cannot participate in face-to-face campus-based programs due to family and work obligations. With continued growth in this industry, there is a need for trained and skilled workers.

b. Academic Programs Catalog Text:

The Agricultural Operations program provides students with a solid background in plant and soil science, precision agriculture, water management, entomology, plant pathology and business management. It exposes students to exciting opportunities available in the industry.

Requirements for Agricultural Operations

Students must complete 55 credits from the following:

1. All of the following courses (30 credits):
   
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABM 130 Farm Management I</td>
<td>3</td>
</tr>
<tr>
<td>AE 131 Agricultural Water Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>AE 143 Application of Precision Agriculture Technologies</td>
<td>3</td>
</tr>
<tr>
<td>AT 202 Agricultural Regulation, Compliance and Safety</td>
<td>3</td>
</tr>
<tr>
<td>AT 293 Professional Internship in Agricultural Technology</td>
<td>3</td>
</tr>
<tr>
<td>CSS 101 Introduction to Crop Science</td>
<td>3</td>
</tr>
<tr>
<td>CSS 105 Agricultural Industries Seminar</td>
<td>1</td>
</tr>
<tr>
<td>CSS 135 Crop Scouting and Investigation</td>
<td>2</td>
</tr>
<tr>
<td>CSS 210 Fundamentals of Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>ENT 110 Applied Entomology of Economic Plants</td>
<td>3</td>
</tr>
<tr>
<td>PLP 200 Plant Diseases and Their Pathogens</td>
<td>3</td>
</tr>
</tbody>
</table>

2. Completion of a minimum of 4 additional elective credits in the college as approved by the program coordinator in the Institute of Agricultural Technology.

3. Completion of 21 credits of additional course work through Northwestern Michigan College. All course work must be approved by the program coordinator in the Institute of Agricultural Technology.

Effective Fall 2015
22. Change the requirements for the Agricultural Technology Certificate in Electrical Technology in the Institute of Agricultural Technology.

   a. Under the heading Electrical Technology replace the entire entry with the following:

The Electrical Technology certificate is an electrical apprenticeship training program with an emphasis on residential, agricultural, commercial, and industrial wiring. Students study electrical codes, fundamentals, installations, motor controls, and solid state electronic applications. Throughout the program, students receive training in energy efficiency and alternate power systems. The certificate provides advanced technical training important for a successful career in the electrical field.

Integrated in the 15-month program are a wide range of disciplines through hands-on classroom and laboratory learning, and on-the-job training. The 4,000 square feet laboratory is equipped with electrical systems found in agricultural, commercial, and industrial facilities as well as systems that serve residential homes. The laboratory also has programmable logic controls, variable frequency drives, and standard AC and DC motors used in the field. The skills learned are used to become a licensed journey electrician through the State of Michigan, which is recognized by the State Electrical Administrative Board. Students who are interested may be eligible to transfer into a four-year degree program at MSU upon completion of the certificate.

Requirements for Electrical Technology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE 172</td>
<td>Electrical Wiring I</td>
<td>4</td>
</tr>
<tr>
<td>AE 173</td>
<td>Electrical Occupations</td>
<td>1</td>
</tr>
<tr>
<td>AE 182</td>
<td>Electrical Wiring II</td>
<td>2</td>
</tr>
<tr>
<td>AE 185</td>
<td>Electrical Applications</td>
<td>3</td>
</tr>
<tr>
<td>AE 192</td>
<td>Electrical Wiring III</td>
<td>4</td>
</tr>
<tr>
<td>AE 194</td>
<td>Electrical Systems Planning</td>
<td>4</td>
</tr>
<tr>
<td>AT 045</td>
<td>Agricultural Communications</td>
<td>2</td>
</tr>
<tr>
<td>AT 071</td>
<td>Technical Mathematics</td>
<td>2</td>
</tr>
<tr>
<td>AT 293</td>
<td>Professional Internship in Agricultural Technology</td>
<td>3</td>
</tr>
<tr>
<td>CSS 110</td>
<td>Computer Applications in Agronomy</td>
<td>2</td>
</tr>
<tr>
<td>TSM 121</td>
<td>Fundamentals of Electricity</td>
<td>4</td>
</tr>
<tr>
<td>TSM 130</td>
<td>Energy Efficiency and Conservation in Agricultural Systems</td>
<td>3</td>
</tr>
<tr>
<td>TSM 222</td>
<td>Fundamentals of Automation and Controls</td>
<td>3</td>
</tr>
</tbody>
</table>

Students who demonstrate proficiency through placement testing for AT 045 and AT 071 will take elective course work to substitute the credit in those courses.

2. The following course or equivalent certification:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 125</td>
<td>First Aid and Personal Safety</td>
<td>3</td>
</tr>
</tbody>
</table>

Equivalent certification is current first aid and CPR certification.

3. Complete 5 to 15 credits of additional Agricultural Technology courses chosen in consultation with and approved by the program coordinator.

Effective Summer 2015.

COLLEGE OF ARTS AND LETTERS

1. Change the requirements for the Master of Fine Arts degree in Theatre in the Department of Theatre. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

   a. Under the heading Admission change the references to the concentration in ‘Production Design’ to ‘Design’.

   b. Under the heading Requirements for the Master of Fine Arts Degree in Theatre make the following changes:

      (1) Under the Acting concentration make the following changes:

      (a) Change the credits of ‘THR 801’ from ‘15’ to ‘18’.
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

(b) Delete the following courses:

- THR 803 Acting Theory 3
- THR 813 Period Resources and Research 3

(c) Change the credits of ‘THR 894’ from ‘7’ to ‘6’.

(d) Change the elective credits from ‘6’ to ‘10’.

(e) Replace the note with the following:

Students must enroll in 1 credit increments for Theatre 894. Each credit is associated with one of six major performance projects. Students must participate in production activities during each semester of enrollment in the program.

(2) Production Design concentration make the following changes:

(a) Change the name of the concentration to Design.

(b) Delete the following course:

- THR 812 Modern and Contemporary Theatrical Design 3

Add the following course:

- THR 416 Audio and Visual Technology 3

(c) Change the credits of ‘THR 811’ from ‘6’ to ‘9’.

(d) Change the credits of ‘THR 813’ from ‘3’ to ‘6’.

(e) Change the credits of ‘THR 894’ from ‘10’ to ‘6’.

(f) Change the elective credits from ‘12’ to ‘10’.

(g) Replace the note with the following:

Students must enroll in 1 credit increments for Theatre 894. Each credit is associated with one of five required design projects. Students must participate in production activities during each semester of enrollment in the program.

Effective Fall 2015.

2. Change the requirements for the Master of Arts degree in Critical Studies in Literacy and Pedagogy in the Department of Writing, Rhetoric and American Cultures. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

a. Under the heading Requirements for the Master of Arts Degree in Critical Studies in Literacy and Pedagogy replace the entire entry with the following:

The student must meet the requirements for either the Rhetoric and Writing or the Community Teaching and Literacy concentrations:

Both concentrations are available under either Plan A (with thesis) or Plan B (without thesis). A total of 31 credits is required for the degree under either plan. Students pursuing Plan B will need to complete additional elective credits to meet the requirement of 31 credits for the degree. The students program of study must be approved by the program director.

Requirements for Both Plan A and Plan B

CREDITS

The following courses (7 credits):

- WRA 878 Composition Studies: Issues, Theory, and Research 3
Rhetoric and Writing Concentration

1. Theory or History. One of the following courses (3 credits):
   - WRA 805 Rhetoric Theory and History
   - WRA 882 Contemporary Theories of Rhetoric

2. Methodology. One of the following courses (3 credits):
   - WRA 870 Research Methodologies in Rhetoric and Composition
   - WRA 872 Methods of Research in Rhetoric and Writing

3. Electives. Complete 15 credits from the following:
   - WRA 805 Rhetoric Theory and History
   - WRA 848 American Cultural Rhetorics: Theory and Methodology
   - WRA 853 Workshop in Rhetoric and Writing
   - WRA 854 Nonfiction Writing Workshop
   - WRA 860 Visual Rhetoric Theory for Professional Writers
   - WRA 877 Community Literacy
   - WRA 882 Contemporary Theories of Rhetoric
   - WRA 890 Independent Study in Rhetoric and Writing
   - WRA 891 Special Topics in Rhetoric and Writing
   - WRA 992 Seminar in Language, Literacy, and Pedagogy

Additional Requirements for Plan A

1. The following course (4 credits):
   - WRA 899 Master Thesis Research

2. Pass an oral certifying examination in defense of the thesis and on the course work.
Additional Requirements for Plan B

1. Complete 3 additional credits chosen in consultation with the students' guidance committee.

2. **Portfolio.** A portfolio developed over time must be acceptable to the student's guidance committee. The purpose of the portfolio as a certifying examination is (1) to demonstrate an advanced understanding of and ability in practices in the teaching of English, and (2) to enable the student to articulate a coherent understanding of the major issues in English education. The portfolio requirement includes: (1) documentation of expertise in an area of English pedagogy, through videotapes of classroom teaching or classroom artifacts that demonstrate competence as a teacher of English. This documentation must be accompanied by a reflective essay that provides evidence of how the student's studies have affected teaching practice and understanding of this practice, and (2) a second reflective essay based on a prompt that requires the student to write a position paper theorizing an important issue in the field and connecting research, theory, and practice. The submission of an acceptable portfolio satisfies the University requirement of a final examination or evaluation.

Effective Fall 2015.

3. Change the requirements for the **Master of Arts** degree in **Digital Rhetoric and Professional Writing** in the Department of Writing, Rhetoric and American Cultures. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

   a. Under the heading **Requirements for the Master of Arts Degree in Digital Rhetoric and Professional Writing** make the following changes:

      (1) Change the total credits required for the degree from ‘30’ to ‘31’.

      (2) In item 1. under **Requirements for Both Plan A and Plan B** make the following changes:

          (a) Add the following course:

              WRA 886 Master's Research Colloquium 1

          (b) Change the total credits from ‘12’ to ‘13’.

      (3) In item 3. Under **Requirements for Both Plan A and Plan B** delete the following course:

          AL 980 Studies in Rhetoric 3

Effective Fall 2015.

4. Change the requirements for the **Doctor of Philosophy** degree in **Rhetoric and Writing** in the Department of Writing, Rhetoric and American Cultures. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

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

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

          WRA 853 Workshop in Rhetoric and Writing 3

      (2) In item 2. delete the following statement:

          A 3 credit course in history, theory or methodology chosen in consultation with the student's guidance committee.

Effective Fall 2015.
COLLEGE OF COMMUNICATION ARTS AND SCIENCES

1. Change the requirements for the Bachelor of Arts degree in Communication in the Department of Communication.

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

      (1) Delete items 3. a. (1) and 3. a. (2).

      (2) Rerenumber item 3. a. (3) to 3. a. (1).

      (3) Change the total credits of item 3. a. from ‘24 to 30’ to ‘18 to 24’.

   Effective Fall 2015.

2. Change the administrative responsibility for the Bachelor of Arts degree in Media and Information in the Department of Telecommunication, Information Studies and Media to the Department of Media and Information. This department name change was effective July 1, 2014.

   Effective Fall 2015.

3. Change the requirements for Bachelor of Arts Degree in Media and Information.

   a. Under the heading Bachelor of Arts Degree in Media and Information make the following changes:

      (1) In item 1., paragraph two, change ‘Telecommunication’ to ‘Media and Information’.

      (2) In item 3. a. change all ‘TC’ courses to ‘MI’.

      (3) In item 3. b. delete the following courses:

            IAH  207  Literatures, Cultures and Identities (I)    4
            IAH  208  Music and Culture (I)      4
            IAH  209  Arts, the Visual, and Culture (D)     4
            IAH  241A  Creative Arts and Humanities: Music and Society in the Modern World     4
            IAH  241B  Creative Arts and Humanities: Philosophy in Literature (D)    4
            IAH  241C  Creative Arts and Humanities: Cultural and Artistic Traditions of Europe     4
            IAH  241D  Creative Arts and Humanities: Theatre and Society in the West (I)     4
            IAH  241E  Creative Arts and Humanities: The Creative Process (D)     4

            Add the following courses:

            COM  100  Human Communication     3
            COM  240  Introduction to Organizational Communication  4
            COM  300  Methods of Communication Inquiry      4
            ENG  140  Literature and Society     4
            ENG  142  Introduction to Popular Literary Genres     4
            FLM  230  Introduction to Film     4

            (4) In item 3. e. TV, Cinema, and Radio make the following changes:

                (a) Change all ‘TC’ courses to ‘MI’.

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

                    MI   344   Sound Design for Cinema, Television, and Games
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

MI 352 Advanced Video Editing 3
MI 377 Advanced 3D Modeling 3
(c) In item 3. add the following course:
MI 499 Media and Information Capstone (W) 3

(5) In item 3. e. Interactive and Social Media make the following changes:
(a) Change all ‘TC’ courses to ‘MI’.
(b) In item 2. add the following courses:
MI 239 Digital Footprints: Privacy and Online Behavior 3
MI 344 Sound Design for Cinema, Television, and Games 3
MI 377 Advanced 3D Modeling 3
(c) In item 3. add the following courses:
MI 482 Building Virtual Worlds (W) 3
MI 484 Building Innovative Interfaces (W) 3
MI 499 Media and Information Capstone (W) 3

(6) In item 3. e. Media Management make the following changes:
(a) Change all ‘TC’ courses to ‘MI’.
(b) In item 2. add the following course:
MI 239 Digital Footprints: Privacy and Online Behavior 3
(c) In item 3. add the following course:
MI 499 Media and Information Capstone (W) 3

(7) In item 3. f. in the note, add Marketing 313 to the option of Marketing 327.

(8) In item 3. g. change the reference from ‘Telecommunication (TC)’ to ‘Media and Information (MI)’.

Effective Fall 2015.

4. Change the administrative responsibility for the Bachelor of Science degree in Media and Information in the Department of Telecommunication, Information Studies and Media to the Department of Media and Information. This department name change was effective July 1, 2014.

Effective Fall 2015.

5. Change the requirements for Bachelor of Science Degree in Media and Information.

a. Under the heading Bachelor of Science Degree in Media and Information make the following changes:

(1) In item 1., paragraph two, change ‘Telecommunication’ to ‘Media and Information’.
(2) In item 3. a. change all ‘TC’ courses to ‘MI’.
(3) In item 3. f. TV, Cinema, and Radio make the following changes:
(a) Change all ‘TC’ courses to ‘MI’.

(8) In item 3. g. change the reference from ‘Telecommunication (TC)’ to ‘Media and Information (MI)’.
(b) In item 2. add the following courses:

- MI 344 Sound Design for Cinema, Television, and Games 3
- MI 352 Advanced Video Editing 3
- MI 377 Advanced 3D Modeling 3

(c) In item 3. add the following course:

- MI 499 Media and Information Capstone (W) 3

(4) In item 3. f. Interactive and Social Media make the following changes:

(a) Change all ‘TC’ courses to ‘MI’.

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

- MI 239 Digital Footprints: Privacy and Online Behavior 3
- MI 344 Sound Design for Cinema, Television, and Games 3
- MI 377 Advanced 3D Modeling 3

(c) In item 3. add the following courses:

- MI 482 Building Virtual Worlds (W) 3
- MI 484 Building Innovative Interfaces (W) 3
- MI 499 Media and Information Capstone (W) 3

(5) In item 3. f. Media Management make the following changes:

(a) Change all ‘TC’ courses to ‘MI’.

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

- MI 239 Digital Footprints: Privacy and Online Behavior 3

(c) In item 3. add the following course:

- MI 499 Media and Information Capstone (W) 3

(6) In item 3. g. in the note, add Marketing 313 to the option of Marketing 327.

(7) In item 3. h. change the reference from ‘Telecommunication (TC)’ to ‘Media and Information (MI)’.

Effective Fall 2015.

6. Change the administrative responsibility for the Specialization in Documentary Studies in the Department of Telecommunication, Information Studies and Media to the Department of Media and Information. This department name change was effective July 1, 2014.

Effective Fall 2015.

7. Change the award type of the Specialization in Documentary Studies to Minor in Documentary Production in the Department of Media and Information.

Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.
Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in Documentary Production Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

8. Change the name of the **Minor in Documentary Studies** to the **Minor in Documentary Production** in the Department of Media and Information.

Students admitted to the minor prior to Fall 2015 will graduate with a Specialization in Documentary Studies.

Students admitted to the minor Fall 2015 and forward will graduate with a Minor in Documentary Production.

9. Change the requirements for the **Minor in Documentary Production** in the Department of Media and Information.

   a. Under the heading **Minor in Documentary Production** replace the entire entry with the following:

   The student must complete at least 15 credits from the following:

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Both of the following courses (6 credits):</td>
<td></td>
</tr>
<tr>
<td>MI 211 Documentary History and Theory</td>
<td>3</td>
</tr>
<tr>
<td>MI 311 Introduction to Documentary Production</td>
<td>3</td>
</tr>
<tr>
<td>2. Complete at least 6 credits from one of the following areas:</td>
<td></td>
</tr>
<tr>
<td>Audio and Video</td>
<td></td>
</tr>
<tr>
<td>MI 337 Compositing and Special Effects</td>
<td>3</td>
</tr>
<tr>
<td>MI 341 Film Style Production for Cinema and Television</td>
<td>3</td>
</tr>
<tr>
<td>MI 344 Sound Design for Cinema, Television, and Games</td>
<td>3</td>
</tr>
<tr>
<td>MI 348 Advanced Lighting and Camera Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MI 352 Advanced Video Editing</td>
<td>3</td>
</tr>
<tr>
<td>Broadcast News</td>
<td></td>
</tr>
<tr>
<td>JRN 306 Introduction to Radio and Television News</td>
<td>3</td>
</tr>
<tr>
<td>JRN 403 TV News</td>
<td>3</td>
</tr>
<tr>
<td>JRN 406 Advanced TV News</td>
<td>3</td>
</tr>
<tr>
<td>Film Studies</td>
<td></td>
</tr>
<tr>
<td>FLM 260 Introduction to Digital Film and Emergent Media</td>
<td>4</td>
</tr>
<tr>
<td>FLM 334 Introduction to Screenwriting (W)</td>
<td>3</td>
</tr>
<tr>
<td>FLM 336 Aesthetics of Film Editing</td>
<td>3</td>
</tr>
<tr>
<td>FLM 460 Seminar in Digital Film and Emergent Media (W)</td>
<td>3</td>
</tr>
<tr>
<td>Multimedia</td>
<td></td>
</tr>
<tr>
<td>JRN 203 Visualizing Information</td>
<td>3</td>
</tr>
<tr>
<td>WRA 225 Introduction to Multimedia Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRA 425 Advanced Multimedia Writing</td>
<td>3</td>
</tr>
<tr>
<td>Photography</td>
<td></td>
</tr>
<tr>
<td>One of the following, either (1) or (2):</td>
<td></td>
</tr>
<tr>
<td>(1) JRN 310 Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>JRN 410 Photojournalism and Photo Documentary</td>
<td>3</td>
</tr>
<tr>
<td>(2) JRN 483 Photo Communication in Europe</td>
<td>6</td>
</tr>
<tr>
<td>Producing</td>
<td></td>
</tr>
<tr>
<td>JRN 450 Creating and Marketing Journalism Media</td>
<td>3</td>
</tr>
<tr>
<td>MI 301 Bringing Media to Market</td>
<td>3</td>
</tr>
<tr>
<td>MI 351 Producing for Cinema and Television</td>
<td>3</td>
</tr>
<tr>
<td>Web</td>
<td></td>
</tr>
<tr>
<td>JRN 336 Designing for Print and Online</td>
<td>3</td>
</tr>
<tr>
<td>JRN 400 Spartan Online Newsroom</td>
<td>3</td>
</tr>
<tr>
<td>JRN 436 Online Publishing: Designing for the Web</td>
<td>3</td>
</tr>
<tr>
<td>MI 349 Web Design and Development</td>
<td>3</td>
</tr>
<tr>
<td>Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 223 Introduction to Creative Non-Fiction Writing</td>
<td>3</td>
</tr>
</tbody>
</table>
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

3. The following capstone course (3 credits):
   MI 411 Collaborative Documentary Design and Production (W) 3

   Effective Fall 2015.

10. Change the administrative responsibility for the Specialization in Game Design and Development in the Department of Telecommunication, Information Studies and Media to the Department of Media and Information. This department name change was effective July 1, 2014.

   Effective Fall 2015.

11. Change the award type of the Specialization in Game Design and Development to Minor in Game Design and Development in the Department of Media and Information.

   Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.

   Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

   Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

   Students admitted to the Minor in Game Design and Development Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

   Effective Fall 2015.

12. Change the requirements for the Minor in Game Design and Development in the Department of Media and Information.

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

      Computer Science Majors
      Both of the following courses:
      CSE 231 Introduction to Programming I 4
      CSE 232 Introduction to Programming II 4
      One of the following:
      CSE 331 Algorithms and Data Structures 3
      CSE 335 Object-oriented Software Design 4

      Studio Art Majors
      STA 110 Drawing I 3
      STA 112 Art and Design: Concepts and Practices 3
      STA 113 Color and Design 3
      STA 114 Three-Dimensional Form 3

      Media and Information Majors
      CAS 111 The Digital Image 2
      CAS 112 Story, Sound, and Motion 2
      MI 247 Three-Dimensional Modeling and Design 3
      MI 331 Introduction to Interactive Development 3

   b. Under the heading Minor in Game Design and Development replace the entire entry with the following:

      The student must complete at least 15 credits from the following:

      CREDITS

      1. All of the following courses (12 credits):
         MI 445 Game Design and Development I 3
         MI 455 Game Design and Development II 3
         MI 497 Game Design Studio 3
         MI 498 Collaborative Game Design (W) 3

      2. Complete one of the following courses (3 credits):

         Computer Science Majors
CSE 410 Operating Systems  3
CSE 420 Computer Architecture  3
CSE 422 Computer Networks  3
CSE 435 Software Engineering  3
CSE 440 Introduction to Artificial Intelligence  3
CSE 471 Media Processing and Multimedia Computing  3
CSE 472 Computer Graphics  3
CSE 473 Fundamentals of 3D Game Development  3
CSE 480 Database Systems  3
CSE 484 Information Retrieval  3
MI 401 Topics in Media Impacts on Society  3

**Media and Information Majors**

MI 344 Sound Design for Cinema, Television, and Games  3
MI 346 Introduction to Game Design  3
MI 347 Advanced Three-Dimensional Computer Animation  3
MI 349 Web Design and Development  3
MI 359 Server-Side Web Development  3
MI 377 Advanced 3D Modeling  3
MI 401 Topics in Media Impacts on Society  3
MI 447 Three-Dimensional Modeling and Animation Workshop (W)  3
MI 450 Human Computer Interaction and User Experience Design (W)  3
MI 458 Project Management (W)  3
MI 472 Electronic Commerce (W)  3
MI 482 Building Virtual Worlds (W)  3
MI 484 Building Innovative Interfaces (W)  3

**Studio Art Majors**

MI 401 Topics in Media Impacts on Society  3
STA 350 Figure Modeling  3
STA 351 Mixed Media and Installation  3
STA 360 Graphic Design I: Graphic Form  3
STA 380 Electronic Art  3
STA 384 Experiments in Digital Video  3
STA 385 Interactive Environments and Digital Fabrication  3
STA 450 Advanced Sculpture  3
STA 460 Graphic Design II: Visual Communication  4
STA 462 Three-Dimensional Design  4
STA 467 Time and Motion Design  4
STA 468 Interactive Web Design  4
STA 480 Advanced Electronic Arts and Intermedia  4

Effective Fall 2015.

13. Change the administrative responsibility for the Specialization in Information and Communication Technology for Development in the Department of Telecommunication, Information Studies and Media to the Department of Media and Information. This department name change was effective July 1, 2014.

Effective Fall 2015.

14. Change the award type of the Specialization in Information and Communication Technology for Development to Minor in Information and Communication Technology for Development in the Department of Media and Information.

*Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.*

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.
15. Change the requirements for the **Minor in Information and Communication Technology for Development** in the Department of Media and Information.

   a. Under the heading **Minor in Information and Communication Technology for Development** make the following changes:

      (1) In item 1. change all ‘TC’ to ‘MI’.

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

            ANP 322 Peasants and Social Change in the Developing World 3

            Add the following courses:

            ANP 325 Anthropology of the Environment and Development 3
            ANP 410 Anthropology of Latin America 3
            ANP 415 China: Culture and Society 3
            ANP 416 Anthropology of Southern Africa 3
            ANP 431 Gender, Environment, and Development 3

      (3) Combine items 3. and 4. to read as follows:

            Both of the following courses (6 credits):

            MI 480 Information and Communication Technologies for Development 3
            MI 488 Information and Communication Technology Development Project (W) 3

            Students should meet with the advisor for the minor determine which of the region-specific sections will most effectively prepare them for field work.

Effective Fall 2015.

16. Change the administrative responsibility for the **Master of Arts** degree in **Telecommunication, Information Studies and Media** in the Department of Telecommunication, Information Studies and Media to the Department of Media and Information. This department name change was effective July 1, 2014. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

Effective Fall 2015.

17. Change the name of the **Master of Arts Degree in Telecommunication, Information Studies and Media** to the **Master of Arts Degree in Media and Information** in the Department of Media and Information. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

Students admitted to the major prior to Fall 2015 will graduate with a Master of Arts Degree in Telecommunication, Information Studies and Media.

Students admitted to the major Fall 2015 and forward will graduate with a Master of Arts Degree in Media and Information.

18. Change the requirements for **Master of Arts Degree in Media and Information**. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

   a. Under the heading **Master of Arts Degree in Media and Information** make the following changes:

      (1) Change all ‘TC’ courses to ‘MI’.

      (2) In **Human Computer Interaction** make the following changes:
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

(a) In item 1., change ‘MI 840’ to ‘MI 844’.

Effective Fall 2015.

19. Change the administrative responsibility for the **Linked Bachelor’s (Arts)-Master’s Degree in Telecommunication, Information Studies and Media** in the Department of Telecommunication, Information Studies and Media to the Department of Media and Information. This department name change was effective July 1, 2014. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

Effective Fall 2015.

20. Change the name of the **Linked Bachelor’s (Arts)-Master’s Degree in Telecommunication, Information Studies and Media** to the **Linked Bachelor’s (Arts)-Master’s Degree in Media and Information** in the Department of Media and Information. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

Students admitted to the major prior to Fall 2015 will graduate with a Linked Bachelor’s (Arts)-Master’s Degree in Telecommunication, Information Studies and Media.

Students admitted to the major Fall 2015 and forward will graduate with a Linked Bachelor’s (Arts)-Master’s Degree in Media and Information.

21. Change the requirements for **Linked Bachelor’s (Arts)-Master’s Degree in Media and Information**. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

(a) Under the heading **Bachelor of Arts Degree in Media and Information/Master of Arts Degree in Media and Information** make the following changes:

(1) Change all prefixed ‘TC’ courses to ‘MI’.

Effective Fall 2015.

22. Change the administrative responsibility for the **Linked Bachelor’s (Science)-Master’s Degree in Telecommunication, Information Studies and Media** in the Department of Telecommunication, Information Studies and Media to the Department of Media and Information. This department name change was effective July 1, 2014. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

Effective Fall 2015.

23. Change the name of the **Linked Bachelor’s (Science)-Master’s Degree in Telecommunication, Information Studies and Media** to the **Linked Bachelor’s (Arts)-Master’s Degree in Media and Information** in the Department of Media and Information. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

Students admitted to the major prior to Fall 2015 will graduate with a Linked Bachelor’s (Science)-Master’s Degree in Telecommunication, Information Studies and Media.

Students admitted to the major Fall 2015 and forward will graduate with a Linked Bachelor’s (Science)-Master’s Degree in Media and Information.

24. Change the requirements for **Linked Bachelor’s (Science)-Master’s Degree in Media and Information**. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

(a) Under the heading **Bachelor of Science Degree in Media and Information/Master of Arts Degree in Media and Information** make the following changes:

(1) Change all prefixed ‘TC’ courses to ‘MI’.

Effective Fall 2015.
25. Change the administrative responsibility for the **Graduate Specialization** in Management of Information Technology in the Department of Telecommunication, Information Studies and Media to the Department of Media and Information. This department name change was effective July 1, 2014. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

Effective Fall 2015.

26. Change the requirements for **Graduate Specialization** in Management of Information Technology. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

a. Under the heading **Requirements for the Graduate Specialization** in Management of Information Technology make the following changes:

(1) In item 1. change 'TC 862' to 'MI 862'.

Effective Fall 2015.

27. Change the administrative responsibility for the **Graduate Certificate** in Serious Game Design and Research in the Department of Telecommunication, Information Studies and Media to the Department of Media and Information. This department name change was effective July 1, 2014. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

Effective Fall 2015.

28. Change the requirements for **Graduate Certificate** in Serious Game Design and Research. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

a. Under the heading **Requirements for the Graduate Certificate** in Serious Design and Research make the following changes:

(1) In item 1. change 'TC 830, 831, and 841' to 'MI 830, 831, and 841'.

Effective Fall 2015.

**COLLEGE OF EDUCATION**

1. Change the requirements for the **Graduate Certificate** program in Applied Behavior Analysis in Special Education in the Department of Counseling, Educational Psychology, and Special Education. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

a. Under the heading **Admission** replace the last paragraph with the following:

The certificate requires completion of a three- or six-course sequence, depending on an applicant’s prior course work in applied behavior analysis. All courses are offered online only. Students are required to have access to high-speed internet and the appropriate technologies. Students transcripts and previous course syllabi will be reviewed by the program coordinator to determine whether a student will follow the three- or six-course sequence. Course selections must be pre-approved by the program coordinator to ensure compliance with the requirements of the Behavior Analysts Certification Board. A student who, in the judgment of the faculty, has not completed appropriate courses in exceptional children or behavior management may be required to complete such courses in addition to the requirements below.

b. Under the heading **Graduate Certificate in Applied Behavior Analysis in Special Education** make the following changes:

(1) Change the total credits from ‘19’ to ‘9 to 19’.

(2) Change the credits of ‘CEP 845’ from ‘4’ to ‘3 or 4’.

Effective Fall 2015.
2. Change the requirements for the Doctor of Philosophy degree in Higher Adult and Lifelong Education in the Department of Educational Administration. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

   a. Under the heading Requirements for the Doctor of Philosophy Degree in Higher Adult and Lifelong Education make the following changes:

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

       CEP 932 Quantitative Methods in Educational Research I 3

   (2) Change item 1. b. to the following:

       A graduate level course in quantitative methods approved by the student’s guidance committee.

   (3) Change item 1. c. to item 1. d. and add ‘and 1.c.’ to the statement.

   (4) Add the following item 1. d.:

       A graduate level course in advanced qualitative methods approved by the student’s guidance committee.

   (5) In item 3. change ‘Nine additional credits’ to ‘Eighteen additional credits’.

   (6) Delete item 4.

   (7) Renumbe item 5. to item 4. and replace with the following:

       Successful completion and defense of the dissertation. Students must complete 24 credits but may not earn more than 30 credits in EAD 999 Doctoral Dissertation Research.

Effective Fall 2015.

3. Change the requirements for the Graduate Certificate in Teaching and Learning in Postsecondary Education in the Department of Educational Administration. The University Committee on Graduate Studies (UCGS) approved this request at its February 2, 2015 meeting.

   a. Add the following Admission statement:

       To be considered for admission students must possess a 3.0 grade-point average in the final two years of undergraduate study. Students will submit a personal statement indicating their interest in the program and how it fits within their professional goals. Applicants whose grade-point average is below 3.0 during the final two years of undergraduate study may be considered for admission to the program on a provisional basis.

   b. Under the heading Requirements for the Graduate Certificate in Teaching and Learning in Postsecondary Education make the following change:

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

       EAD 878 Education in the Digital Age 3

Effective Summer 2015.
JAMES MADISON COLLEGE

1. Change the requirements for the Minor in Political Economy in James Madison College.

   a. Under the heading Requirements for the Minor in Political Economy make the following changes:

      (1) In item 1. under Foundations of Political Economy change the number of ‘MC 241’ to ‘MC 341’.

      (2) In item 1. under Supplemental Political Economy Courses delete the following course:

               ANP  424 Culture and Economic Behavior  3

      (3) In item 3. under Society and Political Economy in Policymaking delete the following courses:

               ANP  424 Culture and Economic Behavior  3
               EEP  470 Theory and Practice in Community and Economic Development  3

      (4) In item 3. under Political Economy in International Relations delete the following course:

               ANP  424 Culture and Economic Behavior  3

      (5) In item 3. under Political Economy and Public Affairs in Comparative Perspectives delete the following course:

               ANP  424 Culture and Economic Behavior  3

Effective Fall 2015.

COLLEGE OF NATURAL SCIENCE

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

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

      (1) In item 3. c. (2) change the credits of PHY 193H and PHY 294H from ‘3’ to ‘4’.

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

               LB  273 Physics I  4
               LB  274 Physics II  4

      (3) In item 3. c. change the total credits from ‘6 to 8’ to ‘8’.

      (4) In item 3. h. add the following course:

               MTH 361 Financial Mathematics for Actuaries I  3

               Change the total credits from ‘21’ to ‘24’.

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

               FI 379 Financial Derivatives (D)  3

               Change the total credits from ‘18’ to ‘15’.

Effective Fall 2015.
COLLEGE OF SOCIAL SCIENCE


   Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.

   Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

   Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

   Students admitted to the Minor in African Studies Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

   Effective Fall 2015.

2. Change the requirements for the Minor in African Studies in the College of Social Science.

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

      The student must complete a minimum of 16 credits:

      1. The following core course (4 credits):
         HST 208 Introduction to African History, Culture and Society 4
      2. One of the following courses (3 or 4 credits):
         ANP 417 Introduction to Islam in Africa 3
         ANP 455 Archaeology of Ancient Egypt 3
         GEO 338 Geography of Africa 3
         GEO 339 Geography of the Middle East and North Africa 3
         HST 360 Historical Methods and Skills 3
         HST 201 African History to 1800 3
         HST 361 African History since 1800 3
         HST 364 South Africa: From Shaka Zulu to Mandela 3
         HST 421 Women and Gender in Africa 3
         HST 450 Special Topics in African History 3
         HST 484 Seminar in African History (W) 3
         PLS 422 Seminar in Political Science (W) 4
         The topic of HST 201 and PLS 422 must contain specific content pertaining to African studies and be approved by the African Studies advisor.
      3. Complete at least 6 credits from the following courses (6 credits):
         EEP 260 World Food, Population and Poverty 3
         ENG 350 Readings in African, African-American, or African Diaspora Literature 3
         HA 271 African Art 3
         MC 395 Cultural Dimensions of Public Affairs 4
         MUS 426 Music of Africa 2
         PHL 351 African Philosophy 3
         RCAH 203 Transcultural Relations through the Ages 4
         REL 360 African Religion 3

         The topic of MC 395 and RCAH 203 must contain specific content pertaining to African studies and be approved by the African Studies advisor.
      4. The following course (3 credits):
         PLS 351 African Politics 3

         Students are encouraged to take courses in African languages to enhance their understanding of Africa.

   Effective Fall 2015.
3. Change the award type of the **Specialization in Asian Studies** to **Minor in Asian Studies** in the College of Social Science.

*Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.*

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in Asian Studies Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

4. Change the requirements for the **Minor in Asian Studies** in the College of Social Science.

a. Under the heading **Requirements for the Minor in Asian Studies** replace the entire entry with the following:

   The student must complete a minimum of 16 credits:

   1. The following core course (4 credits):
      
      HST 160 Introduction to Asian History and Culture 4
   2. One of the following courses (3 or 4 credits):
      
      ANP 414 Anthropology of South Asia 3
      ANP 415 China: Culture and Society 3
      ANP 419 Anthropology of the Middle East 3
      EC 406 Economic Analysis of Russia and the Commonwealth of Independent States (W) 3
      EC 413 Economic Analysis of Asia (W) 3
      GEO 339 Geography of the Middle East and North Africa 3
      GEO 340 Geography of Eurasia 3
      HST 209 Traditional East Asia 4
      HST 210 Modern East Asia 4
      HST 343 Russia from Peter the Great to Lenin 3
      HST 344 Russia in Twentieth Century 3
      HST 365 The Vietnam War 3
      HST 366 Southeast Asia in the Age of Empire 3
      HST 367 Imperial China 3
      HST 368 China since 1900 3
      HST 369 Japan to 1800 3
      HST 370 Japan since 1800 3
      HST 372 The Middle East: Islam and Empires 3
      HST 373 The Modern Middle East: From Empires to Nation States 3
      HST 451 Special Topics in Asian History 3
      HST 485 Seminar in Asian History (W) 3
      ISS 330B Asia: Social Science Perspectives (I) 4
      MC 441 Islam and World Politics 4
      PLS 354 Politics of Asia 3
      PLS 358 Politics of the U.S.S.R. and Its Successor States 3
      The following courses may not fulfill requirement 3. below if used to fulfill this requirement: MC 441 and PLS 358.
   3. Complete at least 6 credits from the following courses (6 credits):
      
      ASN 291 Special Topics in Asian Languages 1 to 4
      ASN 401 East Asian Cultures (W) 3
      HA 260 Asian Art 3
      HA 261 Modern Asian Art 3
      HA 462 The Arts of China 4
      HA 463 Japanese Art 4
      IAH 204 Asia and the World (I) 4
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

IAH 211B Area Studies and Multicultural Civilizations: Asia (I) 4
LL 250B Topics in National Cinemas: East Asian Cinema 3
MC 323 Japanese Foreign Policy 4
MC 324D Regional Politics, Cooperation, and Conflict in Asia 4
MC 328 Russian Foreign Policy 4
MC 441 Islam and World Politics 4
MUS 425 Music of South Asia and Its Diaspora 2
MUS 429 Music of East Asia 2
PLS 358 Politics of the U.S.S.R. and Its Successor States 3
REL 325 East Asian Buddhism 3
REL 330 Islam 3
REL 335 East Asian Religions 3
REL 340 Hinduism 3
REL 345 Religions of South Asia 3
REL 350 Buddhism in South Asia 3
REL 355 Southeast Asian Religions 3
REL 430 The Qur’an and Its Interpreters (W) 3
REL 432 Modern Muslim Thought (W) 3

The following courses may not fulfill requirement 2. above if used to fulfill this requirement: MC 441 and PLS 358. Students may not use both IAH 204 and IAH 211B to fulfill this requirement.

4. The following course (3 credits):
   GEO 337 Geography of Asia-Pacific 3

With the advance approval of the Asian Studies advisor in the College of Social Science, other courses and options such as study abroad, study away, and independent study may be used to fulfill minor requirements. Students are encouraged to take courses in Asian languages to enhance their understanding of Asia.

Effective Fall 2015.

5. Change the award type of the Specialization in Asian Pacific American Studies to Minor in Asian Pacific American Studies in the College of Social Science.

Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in Asian Pacific American Studies Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

6. Change the requirements for the Minor in Asian Pacific American Studies in the College of Social Science.

Under the heading Requirements for the Minor in Asian Pacific American Studies replace the entire entry with the following:

The student must complete a minimum of 15 credits:

1. The following core course (3 credits):
   SSC 293 Introduction to Asian Pacific American Studies 3

2. Complete one course from each of the following areas (minimum of 12 credits):
   Asian Pacific American Studies
   ANP 437 Asian Emigrant Communities: A Global Perspective 3
   ENG 352 Readings in Asian or Asian American Literature 3
   ISS 335 National Diversity and Change: United States (N) 4
   MC 319 Asian American History 4
### Asian Diaspora

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANP</td>
<td>437 Asian Emigrant Communities: A Global Perspective</td>
<td>3</td>
</tr>
<tr>
<td>ENG</td>
<td>352 Readings in Asian or Asian American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG</td>
<td>360 Studies in Postcolonial and Diaspora Literature (W)</td>
<td>3</td>
</tr>
<tr>
<td>ENG</td>
<td>460 Seminar in Global and Postcolonial Literature</td>
<td>3</td>
</tr>
<tr>
<td>FLM</td>
<td>451 Studies in Postcolonial Cinema</td>
<td>3</td>
</tr>
<tr>
<td>MC</td>
<td>369 Global Issues in Citizenship (W)</td>
<td>4</td>
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</tbody>
</table>

### Race and Ethnicity

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
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<tbody>
<tr>
<td>ANP</td>
<td>330 Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity</td>
<td>3</td>
</tr>
<tr>
<td>ENG</td>
<td>449 Seminar in Race, Ethnicity, Literature</td>
<td>3</td>
</tr>
<tr>
<td>FLM</td>
<td>450 Studies in Ethnic Film</td>
<td>3</td>
</tr>
<tr>
<td>HDFS</td>
<td>442 Ethnic Families in America</td>
<td>3</td>
</tr>
<tr>
<td>MC</td>
<td>281 Immigrants, Minorities, and American Pluralism</td>
<td>4</td>
</tr>
<tr>
<td>MC</td>
<td>385 Comparative Race and Ethnic Relations</td>
<td>4</td>
</tr>
<tr>
<td>SOC</td>
<td>215 Race and Ethnicity</td>
<td>3</td>
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</table>

### Asian Studies

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANP</td>
<td>414 Anthropology of South Asia</td>
<td>3</td>
</tr>
<tr>
<td>ANP</td>
<td>415 China: Culture and Society</td>
<td>3</td>
</tr>
<tr>
<td>ASN</td>
<td>464 Studies in the Literature of Asia and the Asian Diaspora (W)</td>
<td>3</td>
</tr>
<tr>
<td>HA</td>
<td>260 Asian Art</td>
<td>3</td>
</tr>
<tr>
<td>HA</td>
<td>462 The Arts of China</td>
<td>4</td>
</tr>
<tr>
<td>HA</td>
<td>463 Japanese Art</td>
<td>4</td>
</tr>
<tr>
<td>HST</td>
<td>210 Modern East Asia</td>
<td>4</td>
</tr>
<tr>
<td>HST</td>
<td>365 The Vietnam War</td>
<td>3</td>
</tr>
<tr>
<td>HST</td>
<td>366 Southeast Asia in the Age of Empire</td>
<td>3</td>
</tr>
<tr>
<td>HST</td>
<td>368 China since 1900</td>
<td>3</td>
</tr>
<tr>
<td>HST</td>
<td>370 Japan since 1800</td>
<td>3</td>
</tr>
<tr>
<td>HST</td>
<td>451 Special Topics in Asian History</td>
<td>3</td>
</tr>
<tr>
<td>MC</td>
<td>323 Japanese Foreign Policy</td>
<td>4</td>
</tr>
<tr>
<td>PSY</td>
<td>493 Issues in Psychology (W)</td>
<td>3</td>
</tr>
<tr>
<td>REL</td>
<td>325 East Asian Buddhism</td>
<td>3</td>
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<tr>
<td>REL</td>
<td>335 East Asian Religions</td>
<td>3</td>
</tr>
<tr>
<td>REL</td>
<td>355 Southeast Asian Religions</td>
<td>3</td>
</tr>
</tbody>
</table>

With the approval of the Coordinator for Asian Pacific American Studies, students may take a second **Asian Pacific American Studies** or **Asian Diaspora Studies** course in place of an **Asian Studies** course. Students may not use the same course to fulfill the requirement in different areas.

The topic of ISS 335 and PSY 493 must contain specific content pertaining to Asian Pacific American studies and be approved by the Coordinator for Asian Pacific American Studies.

One Asian language course (Chinese, Hindi, Indonesian, Japanese, Korean, Persian, Tamil, Thai, Turkish, Urdu, Uzbek, Vietnamese and other languages as approved, may be used toward Asian Studies courses in requirement 2.

With the advance approval of the Coordinator for Asian Pacific American Studies, other courses and options such as study abroad, study away, and independent study may be used to fulfill minor requirements.

Effective Fall 2015.
7. Change the award type of the **Specialization in Chicano/Latino Studies** to **Minor in Chicano/Latino Studies** in the College of Social Science.

*Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.*

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in Chicano/Latino Studies Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

8. Change the requirements for the **Minor in Chicano/Latino Studies** in the College of Social Science.

   a. Under the heading **Minor in Chicano/Latino Studies** replace the entire entry with the following:

   The student must complete a total of 15 credits including:

   1. The following course (3 credits):
      
      CLS 201 Introduction to Chicano/Latino Studies  
      
   2. Three of the following courses focusing on Chicano/Latino content (9 credits):
      
      (1) One of the following courses (3 credits):
         
         HST 383 The Caribbean  
         HST 384 Modern Mexico  
      
      (2) Two of the following courses (6 credits):
         
         ENG 351 Readings in Chicano and Latino Literatures  
         GSAH 230 Values, Experience, and Difference in Global Contexts  
         HDFS 442 Ethnic Families in America  
         HST 327 History of Mexican Americans in the United States  
         PLS 304 Minority Politics  
         SOC 215 Race and Ethnicity  
         SOC 499 Social Issues and Change in Contemporary Society (W)  
      
      The following courses must have at least one-fourth of the content focus specifically on Chicano/as and U.S. Latino/as in the United States: GSAH 230, SOC 215 and 499, SPN 412, or 491.

   3. One of the following three options (3 credits):
      
      a. A supervised internship (CLS 493) relevant to Chicano/Latino studies with a public or private agency or organization. To satisfy this option, the student must complete one course of at least 3 credits approved in advance by the Director for Chicano/Latino Studies.
      
      b. Directed study abroad relevant to Chicano/Latino Studies. To satisfy this option, the student must complete one course of at least 3 credits approved in advance by the Director for Chicano/Latino Studies.
      
      c. A research experience relevant to Chicano/Latino studies (CLS 490). To satisfy this option, the student must complete one course of at least 3 credits approved in advance by the Director for Chicano/Latino Studies.

Effective Fall 2015.

Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in Latin American and Caribbean Studies Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.


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 15 credits as specified below:

1. **Foreign Language Proficiency**: Proficiency in Spanish or Portuguese or other relevant language is required and must be demonstrated by completion of second-year, university-level courses or equivalent language placement scores based on a Michigan State University placement test or equivalent examination. Students who are native speakers in the target language should contact the minor advisor to discuss placement.

2. Complete a minimum of 14 credits from the following list, with at least four courses from at least two departments:

   - *Anthropology*
     - ANP 410 Anthropology of Latin America 3

   - *Economics*
     - EC 412 Economic Analysis of Latin America (W) 3

   - *English*
     - ENG 351 Readings in Chicano and Latino Literatures 3

   - *Geography*
     - GEO 335 Geography of Latin America 3

   - *History*
     - HST 211 Colonial Latin America 4
     - HST 212 National 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

   - *Integrative Studies in Arts and Humanities*
     - IAH 203 Latin America and the World (I) 4

   - *Integrative Studies in Social Science*
     - ISS 330C Latin America: Social Science Perspectives (I) 4

   - *James Madison College*
     - MC 324C Regional Politics, Cooperation, and Conflict in Latin America and the Caribbean 4

   - *Political Science*
     - PLS 352 Latin American Politics 3

   - *Portuguese*
     - 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
Students that place into Third-Year Spanish may also count either PRT 150 or 250 toward general minor credits.

**Spanish**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPN 342</td>
<td>Media and Conversation</td>
<td>3</td>
</tr>
<tr>
<td>SPN 350</td>
<td>Introduction to Reading Hispanic Literature (W)</td>
<td>3</td>
</tr>
<tr>
<td>SPN 412</td>
<td>Topics in Hispanic Culture</td>
<td>3</td>
</tr>
<tr>
<td>SPN 432</td>
<td>Latin America and its Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPN 472</td>
<td>Topics in the Literatures of the Americas</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives (1 to 4 credits)**

A maximum of 4 credits of experiential learning such as an internship, independent study, guided research, service learning, study abroad or relevant elective courses, approved by the Center for Latin American and Caribbean Studies, may substitute for credits in requirement 2.

3. Completion of the *Seminar Series in Latin American and Caribbean Studies* through enrollment of 1 credit in SSC 490, with a maximum reenrollment of 2 credits. Students will develop a project based on Latin American and Caribbean studies course work or elective experiential learning experience in the form of a research paper or other creative work to be presented in the seminar series at the completion of the minor.

Effective Fall 2015.

11. Change the award type of the *Specialization in Security Management* to *Minor in Security Management* in the School of Criminal Justice.

*Per the May 30, 2013 memo to Deans, Directors, and Chairpersons from Linda O. Stanford, Associate Provost for Academic Services, all units offering undergraduate specializations will need to convert the award to a minor.*

Students currently enrolled in the Specialization will continue to follow the requirements for the specialization that were in effect the term they were admitted to the specialization.

Students who do not complete the requirements for the specialization prior to Fall 2015 will be administratively moved to the minor.

Students admitted to the Minor in Security Management Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

12. Change the requirements for the *Minor in Security Management* in the School of Criminal Justice.

a. Under the heading *Minor in Security Management* replace the entire entry with the following:

   The student must complete:

   1. All of the following courses (12 credits):
      
      | Course Code | Course Title                        | Credits |
      |-------------|-------------------------------------|---------|
      | ACC 230     | Survey of Accounting Concepts       | 3       |
      | CJ 235      | Investigation Procedures            | 3       |
      | CJ 385      | Private Security                    | 3       |
      | CJ 485      | Critical Issues in Private Security (W) | 3       |
      
   2. One of the following courses (3 credits):
      
      | Course Code | Course Title                        | Credits |
      |-------------|-------------------------------------|---------|
      | CJ 429      | Interdisciplinary Topics in CyberSecurity | 3       |
      | CJ 445      | Cyber-Crime and Cyber-Security (W)  | 3       |
      
   3. One of the following courses (3 credits):
      
      | Course Code | Course Title                        | Credits |
      |-------------|-------------------------------------|---------|
      | CSE 101     | Computing Concepts and Competencies | 3       |
      | FI 320      | Introduction to Finance             | 3       |
      | MGT 325     | Management Skills and Processes     | 3       |
      | MKT 327     | Introduction to Marketing           | 3       |

Effective Fall 2015.
13. Establish a Linked Bachelor of Arts Degree in World Politics and Master of Public Policy Degree in Public Policy in the Department of Political Science. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its January 29, 2015 meeting. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its February 2, 2015 meeting.

Per University policy:

A candidate for a Linked Bachelor's-Master's Degree from Michigan State University may request the application of up to 9 credits toward the master's program for qualifying 400-level and above course work taken at the undergraduate level at Michigan State University or an external accredited institution. The number of approved credits, not to exceed 9, are applied toward the credit requirement of the master's degree. Credits applied to the Linked Bachelor's-Master's Program are not eligible to be applied to any other graduate degree program.

a. Add the following statement in the Department of Political Science:

**LINKED BACHELOR’S-MASTER’S DEGREE IN PUBLIC POLICY**

Bachelor of Arts Degree in World Politics
Master of Public Policy Degree in Public Policy

The department welcomes applications from Michigan State University Public Policy undergraduate students during the fall semester of their junior year in order to begin the program during the fall semester of their senior year. Admission to the program requires a minimum undergraduate grade-point average of 3.50 and an approved program of study for the Master of Public Policy degree in Public Policy at the time of admission. Admission to the Linked Bachelor’s-Master’s Program allows the application of up to 9 credits toward the master’s program for qualifying 400-level and above course work taken at the undergraduate level at Michigan State University or an external accredited institution. The number of approved credits, not to exceed 9, are applied toward the credit requirement of the master's degree. Credits applied to the Linked Bachelor's-Master's Program are not eligible to be applied to any other graduate degree program.

Effective Summer 2015.
PART II - NEW COURSES

DEPARTMENT OF ACCOUNTING AND INFORMATION SYSTEMS

ACC 891  Special Topics in Accounting and Information Systems
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to masters students in the Accounting Major.
Current and emerging issues in accounting and information systems.
Effective Fall 2015

ITM 881   Network Analytics
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. P: MKT 829 or MBA 820 R: Open to masters students in the Business Analytics Major or approval of department.
Application of network analysis in business contexts. Basic methods and terminology associated with network analysis and text analytics leading to broad-based applications. Applications of these techniques span a broad range of business contexts including human resource management, customer relationship management systems, supplier networks, and online networks.
Effective Fall 2015

ITM 893   Business Analytics Internship
Summer of every year. 1 to 3 credits. R: Open to masters students in the Business Analytics Major or approval of department.
Professional internship in a public, industrial, or governmental organization where one or more business analytics projects are performed under faculty supervision.
Effective Fall 2015

DEPARTMENT OF AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS

ABM 203  Data Analysis for the Agri-Food System
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Environmental Economics and Policy and Food Industry Management. P: (ABM 100 and (EC 201 or concurrently)) and ((STT 200 or concurrently) or (STT 201 or concurrently) or (STT 315 or concurrently))
Introduction to data analysis tools used in the management of food systems.
Effective Fall 2015

ABM 303  Economics of Decision Making in the Agri-Food System
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Environmental Economics and Policy and Food Industry Management. P: MTH 124 and EC 201 and EC 202 and ABM 203
Managerial economics with applications focusing on agriculture, food, and resources issues.
Effective Fall 2015

DEPARTMENT OF BIOSYSTEMS AND AGRICULTURAL ENGINEERING

AE 131  Agricultural Water Resource Management
Spring of every year. 3(3-0) RB: (CSS 210) or similar basic soil science course R: Open to students in the Institute of Agricultural Technology.
A basic knowledge, skills and tools course on water resources use and protection in agricultural production. Field trip required.
Effective Spring 2015

AE 143  Application of Precision Agriculture Technologies
Spring of every year. 3(3-0) R: Open to students in the Institute of Agricultural Technology.
Practical application of the use of the tools of precision farming with a focus on widely adopted guidance, monitoring and global positioning systems. Field trip required.
Effective Spring 2015
DEPARTMENT OF COMMUNITY SUSTAINABILITY

CSUS 278  Introduction to Conservation, Recreation and Environmental Enforcement
Fall of every year. 1(1-0) Interdepartmental with Fisheries and Wildlife. R: Not open to freshmen.
Scope, history and application of conservation, recreation and environmental law enforcement at the international, federal, state and local level. Integration with traditional policing, resource management and public lands. Career opportunities.
Effective Fall 2015

DEPARTMENT OF EDUCATIONAL ADMINISTRATION

EAD 878  Education in the Digital Age
Fall of every year. Summer of every year. 3(3-0)
An exploration of the historical, philosophical, critical, and practical questions associated with the technological transformation of all levels of education.
Effective Fall 2015

DEPARTMENT OF FORESTRY

FOR 867  Hierarchical Modeling and Computing for Spatio-temporal Environmental Data
Spring of odd years. 3(3-0) Interdepartmental with Geography. RB: (FW 849 or concurrently) and (GEO 866 or concurrently)
Effective Spring 2015

DEPARTMENT OF GEOGRAPHY

GEO 214  Geography of Drugs
Fall of even years. 3(3-0)
Physical, ecological, and human geographies of drugs, drug crops, pharmaceuticals, alcohol, and their diffusions. Cultural geographies and geopolitical implications of drugs' consumption, trade, and regulation and prohibition.
Effective Fall 2015

DEPARTMENT OF HISTORY

HST 160  Introduction to Asian History and Culture
Fall of every year. 4(4-0)
History and culture of East, South and Southeast Asia in the early modern and modern periods.
Effective Fall 2015

HST 814  Historiography and Social Theory
Spring of every year. 3(3-0)
Social theory and historical research. Topics will vary. Potential themes include: capitalism, consumption, institutions, public spheres, power/resistance, identity, culture.
Effective Spring 2015

DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES

HDFS 201  Child Development (ages 0-3)
On Demand. 3(3-0) R: Approval of department.
Theories and research of development; physical, cognitive, social-emotional, aesthetic and adult's role for ages 0-3.
Effective Summer 2015
PART II – NEW COURSES

HDFS 206  Practicum I: Child Observations in Classroom Environments
On Demand. 3(0-6) R: Approval of department.
  Guided learning experiences in a professional agency, use of theories and practices
developed in human development and family studies courses.
  Effective Summer 2015

HDFS 304  Understanding and Adapting for Developmental Differences in Early Care and Education
On Demand. 3(3-0) P: HDFS 206 R: Approval of department.
  Knowledge of disability conditions, assessment and identification, interventions in
inclusive environments, collaborations among service providers.
  Effective Summer 2015

HDFS 406  Practicum III: Capstone Experience (W)
On Demand. 6(1-10) P: Completion of Tier I Writing Requirement R: Approval of department.
  Guided learning experiences in a professional agency, use of theories and practices
related to lesson planning and implementation, assessment, classroom environments.
  Effective Summer 2015

SCHOOL OF HUMAN RESOURCES AND LABOR RELATIONS

HRLR 212  Career Management
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to undergraduate
students in the College of Social Science or approval of school.
  Career development. Career self-assessment, occupational opportunities, changing global
world of work, social networking, written communication, job interviews, the first job,
career planning and decision making.
  Effective Summer 2015

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

JPN 491  Topics in Japanese Studies
On Demand. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this
course. R: Approval of department.
  Selected topics in the language and culture of Japan.
  Effective Summer 2015

DEPARTMENT OF MATHEMATICS

MTH 361  Financial Mathematics for Actuaries I
Fall of every year. Spring of every year. 3(3-0) P: MTH 360 C: STT 441 concurrently.
  Introduction to the mathematics of financial derivatives. Options, forwards, futures, swaps,
investment and hedging strategies.
  Effective Fall 2015

DEPARTMENT OF MEDIA AND INFORMATION

MI 211  Documentary History and Theory
Fall of every year. 3(3-0) Interdepartmental with Film Studies and Journalism and Writing, Rhetoric
and American Cultures. R: Open to students in the School of Journalism or in the Department of
Media and Information or in the Department of Writing, Rhetoric and American Cultures or in the
Documentary Studies Specialization or in the Film Studies major.
  Documentary history and theory form its origins to the present.
  Effective Fall 2015

MI 239  Digital Footprints: Privacy and Online Behavior
Fall of every year. 3(3-0) P: Completion of Tier I Writing Requirement R: Open to undergraduate
students.
  Exploration of digitization and capture of personal information. Issues of privacy,
anonymity, and ownership. Technologies involved in capturing personal information.
  Effective Fall 2015
PART II – NEW COURSES

MI 311  Introduction to Documentary Production
Spring of every year. 3(2-2) Interdepartmental with Film Studies and Journalism and Writing, Rhetoric and American Cultures. R: Open to students in the Documentary Studies Specialization. Introduction to documentary production using accessible and affordable digital technology. SA: TC 233 Effective Fall 2015

MI 344  Sound Design for Cinema, Television, and Games
Spring of every year. Summer of every year. 3(2-2) P: CAS 112 RB: CAS 201 and CAS 202 R: Open to students in the Department of Media and Information or in the Documentary Studies Specialization or in the Fiction Film Production Specialization. Principles, technology, and techniques of sound design for media projects, including film, games, television, animation, and web. Effective Fall 2015

MI 352  Advanced Video Editing
Spring of every year. 3(2-2) P: MI 341 R: Open to students in the Department of Media and Information or in the Documentary Studies Specialization or in the Fiction Film Production Specialization. Advanced principles, technology and techniques of video editing. Effective Fall 2015

MI 377  Advanced 3D Modeling
Fall of every year. 3(2-2) P: MI 247 R: Open to students in the Department of Media and Information. Learn advanced techniques in 3D modeling and texturing for games, movies, television, and motion graphics. Effective Fall 2015

MI 482  Building Virtual Worlds (W)
Fall of every year. 3(2-2) P: (MI 331 and MI 346) and completion of Tier I writing requirement RB: MI 247 R: Open to students in the Department of Media and Information. Theoretical and practical approaches to the planning, design, and development of virtual worlds for games and simulations. Effective Fall 2015

MI 484  Building Innovative Interfaces (W)
Spring of every year. 3(2-2) P: (MI 331) and completion of Tier I writing requirement R: Open to students in the Department of Media and Information. Designing, implementing and evaluating new interaction devices using mobile and sensor technologies. Effective Fall 2015

DEPARTMENT OF POLITICAL SCIENCE

PLS 346  Middle East Politics
Fall of every year. 3(3-0)
Political history, political institutions, political actors, and political culture in the Arab countries of North Africa and the Middle East, as well as Turkey, Israel, and Iran. Effective Fall 2015

PLS 347  Democratic Regimes
Spring of every year. 3(3-0)
Democratization, democratic consolidation, political institutions, and economic development in Africa, Latin America, Asia, Eastern Europe, and the Middle East. Effective Fall 2015
DEPARTMENT OF PLANT, SOIL AND MICROBIAL SCIENCES

CSS 224 Sustainable Farm and Food Systems Field Studies
Fall of every year. 1(0-4) Interdepartmental with Animal Science and Community Sustainability and Horticulture. P: CSS 124 R: Not open to freshmen or agricultural technology students. Field visits to farm and food system operations that utilize sustainable practices in Michigan. Offered first half of semester. Effective Fall 2015

COLLEGE OF SOCIAL SCIENCE

CLS 201 Introduction to Chicano/Latino Studies
Spring of every year. 3 credits. Chicano/Latino studies as an academic field of research and scholarship. Arts, communications, literature and the social sciences. Effective Spring 2015

CLS 490 Independent Study in Chicano/Latino Studies
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. P: CLS 201 or concurrently or approval of department RB: At least 2 elective courses (6 credits) with Chicano/Latino content R: Approval of department. Guided research and reading in Chicano/Latino studies. Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings. Effective Spring 2015

CLS 493 Internship in Chicano/Latino Studies
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: CLS 201 or approval of department R: Approval of department. Application of course work in Chicano/Latino studies through work experience in public, private, or nonprofit agency or organization in the U.S. whose goals and activities address Chicano/Latino issues. Request the use of the Pass-No Grade (P-N) system. Effective Spring 2015

COLLEGE OF VETERINARY MEDICINE

VM 337 Introduction to Foodborne Pathogens
Fall of every year. Summer of every year. 3(3-0) R: Open to graduate students in the Food Safety Major or approval of department. Microbial classification, growth, genetics, epidemiology, transmission and ecology of major food and waterborne pathogens including bacteria, viruses, parasites, prions and protozoa. Effective Summer 2015

VM 835 Food Safety for Produce
Summer of every year. 3(3-0) R: Open to graduate students in the Food Safety Major or approval of department. Overview of food safety requirements for the produce sector with a focus on Good Agriculture Practices (GAPS). Effective Summer 2015

DEPARTMENT OF WRITING, RHETORIC AND AMERICAN CULTURES

WRA 886 Master's Research Colloquium
Fall of every year. 1(1-0) R: Open to masters students in the Department of Writing, Rhetoric and American Cultures. Professional development seminar focused on developing research skills, designing research projects, and preparing publications, conference presentations, and other professional materials unique to master’s students. Effective Fall 2015
WRA 888  Methods in the Teaching of College-Level Writing
Spring of every year. 3(3-0) R: Open to graduate students in the Department of Writing, Rhetoric and American Cultures.
Strategies and methods of teaching college-level writing.
Effective Spring 2016
PART III – COURSE CHANGES

DEPARTMENT OF ACCOUNTING AND INFORMATION SYSTEMS

ACC 841 Strategic Management Accounting
Strategic Management Controls Systems
Fall of every year. 1 to 3 credits. P: (MBA 812 or ACC 341) and (MGT 409 or (MBA 850 or concurrently)) R: Open to masters students in the Accounting Major and open to MBA students or approval of department.
Management accounting concepts for strategic management and business unit-management. Performance measurement, planning and budgeting, and control system design.
Effective Fall 2013 Effective Fall 2015

DEPARTMENT OF ART, ART HISTORY, AND DESIGN

ATD 111 Basic Apparel Structuring
Fall of every year. Spring of every year. 1(0-2) RB: Basic garment construction skills.
PCR Fundamentals of apparel structuring. Students enrolled in the course may complete the course requirements by passing a competency exam.
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 2011 Effective Spring 2015

ATD 121 Explorations in Apparel and Textile Design
Fall of every year. Spring of every year. 3(0-6) P: (STA 110 and STA 113 and STA 114) and (STA 111 or STA 112)
PCR Art and design fundamentals applied to apparel design. Visual communication of design ideas through apparel and textile rendering. Design process, fashion theory, fabrication and exploration of two- and three-dimensional designing.
SA: HED 121
Effective Fall 2010 Effective Spring 2015

ATD 222 Structuring, Couture and Tailored Garments
Fall of every year. 4(0-8) P: ATD 111 and (ATD 121 or concurrently) RB: Basic apparel construction.
PCR Advanced methods of garment assembly and fabric handling. Creative application of assembly techniques; tailoring and couture methods.
SA: HED 222
Effective Fall 2010 Effective Spring 2015

ATD 231 Textile Materials
Fall of every year. Spring of every year. 4(4-0) R: Not open to freshmen.
PCR Formation and properties of fibers, yarns, structure, finish, color and design of fabrics. Textile specification and selection for end-use performance.
SA: HED 231
Effective Fall 2008 Effective Spring 2015

ATD 323 Apparel Pattern Design
Fall of every year. Spring of every year. 4(0-8) P: ATD 222 and (ATD 121 or concurrently) RB: (ATD 231) and basic apparel construction.
PCR Pattern design from standard templates and body measurements. Introduction to design studio environment. Creation of original designs.
SA: HED 323
Effective Fall 2011 Effective Spring 2015
PART III – COURSE CHANGES

ATD 325  Design by Draping  
Spring of every year. 4(0-8) P: (ATD 111 or ATD 222) and (ATD 121 and ATD 231 and ATD 323)  
RB: Basic apparel construction, textile materials, and pattern drafting.  
PCR  
Execution of original designs by fabric manipulation on a form. Evaluation of fit, drape, and balance.  
SA: HED 323  
**Effective Fall 2010** Effective Spring 2015

ATD 332  Textile Design  
Fall of every year. Spring of every year. 4(0-8) P: (ATD 111 or ATD 222) and (ATD 121 and ATD 231)  
RB: Basic apparel construction, textile materials, and pattern drafting  
R: Not open to freshmen.  
PCR  
Textile design technology for surface design, knit and woven fabric development. Design organization, elements and principles.  
SA: HED 232  
**Effective Fall 2010** Effective Spring 2015

ATD 335  Design Development and Presentation  
Fall of every year. Spring of every year. 4(0-8) P: (ATD 111 or ATD 222) and ATD 121 RB: (ATD 222 and ATD 332) and basic computer knowledge.  
PCR  
Technological exploration and creation of designs, technical drawings, storyboard presentations, and electronic portfolio.  
**Effective Fall 2010** Effective Spring 2015

ATD 423  Design Methods and Approaches  
Fall of every year. 4(0-8) P: ATD 323 RB: Basic construction, pattern design, and draping  
PCR  
Research and execution of original apparel design across a variety of platforms and experimental approaches.  
**Effective Fall 2011** Effective Spring 2015

ATD 423S  Senior Project in Design Methods and Approaches  
Fall of every year. 3(0-6) RB: Basic construction, pattern design, and draping R: Open to seniors in the Apparel and Textile Design major. Approval of department. C: ATD 423 concurrently.  
PCR  
Intensive research project focused on conceptual issues in design. 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 2010** Effective Spring 2015

ATD 424  Specialized Design  
Spring of every year. 4(0-8) P: ATD 323 RB: Basic construction, pattern design, and draping.  
PCR  
Critical use of the design process for specialized end-use. Mass market design principles. Problem-solving and conflict management in a professional team context. Project report strategies.  
SA: HED 424  
**Effective Fall 2011** Effective Spring 2015

ATD 424S  Senior Project in Specialized Design  
Spring of every year. 3(0-6) RB: Basic construction, pattern design, and draping R: Open to seniors in the Apparel and Textile Design major. Approval of department. C: ATD 424 concurrently.  
PCR  
Intensive research project focused on design for specialized end-use. 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 2010** Effective Spring 2015

ATD 426  History of Dress and Textiles  
Fall of every year. Spring of every year. 3(3-0) R: Not open to freshmen or sophomores.  
PCR  
History of dress and textiles as a reflection of the cultural milieu.  
SA: HED 426  
**Effective Fall 2008** Effective Spring 2015
ATD 427  Knitwear Design
Fall of every year. 4(0-8) A student may earn a maximum of 8 credits in all enrollments for this course. P: ATD 323 RB: Basic construction, pattern design and draping.
  Effective Fall 2011 Effective Spring 2015

ATD 427S  Senior Project in Knitwear Design
Fall of every year. 3(0-6) RB: Basic construction and pattern design R: Open to seniors in the Apparel and Textile Design major. Approval of department. C: ATD 427 concurrently.
PCR  Intensive research project focused on knitwear design. 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 2010 Effective Spring 2015

ATD 428  Design Studio
Spring of every year. 4(0-8) A student may earn a maximum of 8 credits in all enrollments for this course. P: ATD 323 RB: Apparel construction, pattern design, and draping
PCR  Execution of original apparel designs for a collection and exhibition.
  Effective Fall 2011 Effective Spring 2015

ATD 428S  Senior Project in Design Studio
Spring of every year. 3(0-6) RB: Apparel construction, pattern design, and draping R: Open to seniors in the Apparel and Textile Design major. Approval of department. C: ATD 428 concurrently.
PCR  Intensive research project focused on individual collections and exhibition of design. 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 2010 Effective Spring 2015

ATD 430  Dress, Culture and Human Behavior
Spring of every year. 3(3-0) R: Not open to freshmen or sophomores.
PCR  Dress as an expression of self and reflection of society and global cultures. Effect of dress on human behavior at the personal, interpersonal, and social organizational levels.
  Effective Fall 2008 Effective Spring 2015

ATD 431  Global Context for Sustainable Design
Fall of every year. 3(3-0) R: Not open to freshmen or sophomores.
  SA: HED 431
  Effective Spring 2009 Effective Spring 2015

ATD 439  Portfolio Development and Exhibition (W)
Fall of every year. 3(3-0) P: (ATD 323) and completion of Tier I writing requirement R: Open to juniors or seniors.
PCR  Apparel and textile design philosophies, roles and ethics. Professional portfolio and exhibition(s). Capstone course. Request the use of ET-Extension to postpone grading. The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
  SA: HED 439
  Effective Fall 2011 Effective Spring 2015

ATD 490  Independent Study
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department.
PCR  Independent study of selected topics in apparel and textile design.
  SA: HED 490
  Effective Fall 2009 Effective Spring 2015
ATD 490H  Honors Independent Study  
Fall of every year. Spring of every year. Summer of every year. 1 to 10 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open to students in the Honors College. Approval of department.  
PCR  
Independent study of selected topics in apparel and textile design. 
SA: HED 490H  
Effective Fall 2008 Effective Spring 2015  

ATD 491A  Special Topics in Apparel  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department.  
PCR  
Special topics supplementing regular course offerings.  
Effective Fall 2008 Effective Spring 2015  

ATD 491AS  Senior Project in Special Topics: Apparel  
Fall of every year. Spring of every year. 3(0-6) RB: Apparel construction, pattern design, and draping R: Open to seniors in the Apparel and Textile Design major. Approval of department. C: ATD 491A concurrently.  
PCR  
Intensive research project focused on individual apparel design.  
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 2010 Effective Spring 2015  

ATD 491T  Special Topics in Textiles  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department.  
PCR  
Special topics supplementing regular course offerings.  
Effective Fall 2008 Effective Spring 2015  

ATD 491TS  Senior Project in Special Topics: Textiles  
Fall of every year. Spring of every year. 3(0-6) RB: Basic textile design R: Open to seniors in the Apparel and Textile Design major. Approval of department. C: ATD 491T concurrently.  
PCR  
Intensive research project focused on individual textile design.  
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 2010 Effective Spring 2015  

ATD 493  Internship in Apparel and Textiles  
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: ATD 323 and ATD 332 R: Not open to freshmen or sophomores. Approval of department.  
PCR  
Pre-professional experience in a selected business, industry, or community organization.  
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.  
SA: HED 493B  
Effective Fall 2008 Effective Spring 2015  

STA 893  Master of Fine Arts Professional Seminar  
Fall of every year. Spring of every year. 3(3-0) R: Open to masters students in the Department of Art, Art History, and Design or in the Master of Fine Arts in Studio Art. Approval of department.  
Contemporary professional issues in the visual arts: reading, writing, presentation, critique and revision, conferences, professional activities, and employment.  
Effective Fall 2013 Effective Fall 2015
**DEPARTMENT OF BIOSYSTEMS AND AGRICULTURAL ENGINEERING**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE 072</td>
<td>Electrical Wiring I</td>
<td>Fall</td>
<td>4</td>
<td>3-2</td>
<td>R: Open to students in the Institute of Agricultural Technology. National Electrical Code requirements for residential, light commercial and agricultural branch circuits and services. Safe use of hand tools. SA: AE 072</td>
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<td>AE 172</td>
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<tr>
<td>AE 073</td>
<td>Electrical Occupations</td>
<td>Spring</td>
<td>1</td>
<td>0</td>
<td>R: Open to students in the Institute of Agricultural Technology. Electrical wiring trade, job openings, preparation of a resume, interviewing for a job, preparing reports. Offered first ten weeks of semester. SA: AE 073</td>
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<td>AE 173</td>
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<tr>
<td>AE 082</td>
<td>Electrical Wiring II</td>
<td>Spring</td>
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<td>1-3</td>
<td>RB: AE 072, RB: AE 172</td>
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<td>AE 182</td>
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<td>AE 185</td>
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<tr>
<td>AE 092</td>
<td>Electrical Wiring III</td>
<td>Fall</td>
<td>4</td>
<td>2-4</td>
<td>RB: AE 082, RB: AE 182</td>
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<td>AE 192</td>
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<tr>
<td>AE 094</td>
<td>Electrical Systems Planning</td>
<td>Fall</td>
<td>4</td>
<td>4-0</td>
<td>RB: AE 082</td>
</tr>
</tbody>
</table>
PART III – COURSE CHANGES

TSM 331  Water Management in Agriculture and Food Systems
Principles of water management, use efficiency and conservation in agricultural production, natural resources and food processing facilities. Best agricultural water management practices, water rights, irrigation scheduling, irrigation systems selection, evaluation and management and drainage principles. Large scale water use, management and conservation in food processing.
SA: TSM 431
Effective Spring 2015 Effective Fall 2015

DEPARTMENT OF COMMUNICATION

COM 803  Introduction to Quantitative Research Methods
Introduction to quantitative social science research methods and applied analyses for understanding research reports and developing graduate level research projects.
SA: ADV 875, COM 800, JRN 817, TC 802
Effective Fall 2011 Effective Fall 2015

DEPARTMENT OF ENTOMOLOGY

ENT 851  Molecular Entomology
Analysis of molecular processes unique to insects, and their potentials for genetic engineering. Structure and function of physiological systems in insects, and current understanding of how these systems work at the molecular level.
Effective Spring 2012 Effective Summer 2015

DEPARTMENT OF FINANCE

FI 311  Financial Management
Effective Fall 2013 Effective Spring 2016

FI 311H  Financial Management
Effective Spring 2013 Effective Spring 2016
GBL 420  Role of Law and Lawyers in Society (W)
Fall of every year. Spring of every year. 3(3-0) P: (GBL 395 or GBL 395H) or completion of Tier I writing requirement
P: (GBL 295 or GBL 295H) or completion of Tier I writing requirement R: Open to juniors and open to seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and not open to students in the School of Hospitality Business.
Effective Spring 2013 Effective Spring 2015

DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES
HDFS 145  The Individual, Marriage and the Family
The Individual, Couples and Families
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to freshmen or sophomores.
Development of the young adult in the human ecological context. Issues of sexuality, gender, parenting, work and family interface, communication, and resource use. Diversity in relationships and families.
SA: FCE 145
Effective Summer 2014 Effective Fall 2015

JAMES MADISON COLLEGE
MC 241
MC 341  Politics and Markets
Spring of every year. 4(3-0) P: EC 201 or EC 251H
SA: MC 241
Effective Fall 2014 Effective Summer 2015

DEPARTMENT OF LINGUISTICS AND GERMANIC, SLAVIC, ASIAN AND AFRICAN LANGUAGES
AFR 101A  Elementary Swahili I
Fall of every year. 4(4-1)
PCR  Speaking, reading, and writing Swahili, with emphasis on developing oral proficiency.
Effective Fall 1992 Effective Spring 2015
AFR 101B  Elementary African Language I
Fall of every year. 4(4-1)
PCR  African language at the elementary level. Speaking, reading, and writing, with emphasis on developing oral proficiency skills. Specific language varies.
Effective Fall 1992 Effective Spring 2015
AFR 102A  Elementary Swahili II
Spring of every year. 4(4-1) RB: (AFR 101A) or approval of department.
PCR  Further work on speaking, reading, and writing Swahili, with continued emphasis on developing oral proficiency skills.
Effective Fall 1992 Effective Spring 2015
AFR 102B  Elementary African Language II
Spring of every year. 4(4-1) R: Approval of department.
PCR  Further work on speaking, reading, and writing an African language, with continued emphasis on developing oral proficiency skills.
Effective Fall 1992 Effective Spring 2015
### PART III – COURSE CHANGES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Type</th>
<th>Semester</th>
<th>Credits</th>
<th>Description</th>
<th>Approval Dates</th>
</tr>
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<tbody>
<tr>
<td>AFR 151</td>
<td>Beginning Individualized African Language I</td>
<td>Individualized</td>
<td>Fall</td>
<td>4(4-1)</td>
<td>A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.</td>
<td>Effective Fall 1999  Effective Summer 2015</td>
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<td></td>
<td></td>
<td>Study</td>
<td></td>
<td>4(4-1)</td>
<td>Individualized study of an African language at the elementary level. Speaking, reading, and writing, with emphasis on developing oral proficiency skills.</td>
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<td><strong>Effective Fall 1999</strong>  <strong>Effective Summer 2015</strong></td>
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<tr>
<td>AFR 152</td>
<td>Beginning Individualized African Language II</td>
<td>Individualized</td>
<td>Spring</td>
<td>4(4-1)</td>
<td>A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.</td>
<td>Effective Fall 1999  Effective Summer 2015</td>
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<td>Study</td>
<td></td>
<td>4(4-1)</td>
<td>Further individualized work on speaking, reading, and writing an African language, with continued emphasis on developing oral proficiency skills.</td>
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<td><strong>Effective Fall 1999</strong>  <strong>Effective Summer 2015</strong></td>
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<tr>
<td>AFR 201A</td>
<td>Second Year Swahili I</td>
<td>Intermediate</td>
<td>Fall</td>
<td>4(4-1)</td>
<td>P: AFR 102A Intermediate-level work on speaking, reading, and writing Swahili, with emphasis on developing oral proficiency skills.</td>
<td>Effective Fall 1999  Effective Spring 2015</td>
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<td>Level</td>
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<td><strong>Effective Fall 1999</strong>  <strong>Effective Spring 2015</strong></td>
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<tr>
<td>AFR 201B</td>
<td>Second Year African Language I</td>
<td>Intermediate</td>
<td>Fall</td>
<td>4(4-1)</td>
<td>R: Approval of department. Intermediate-level work on speaking, reading, and writing an African language, with continued emphasis on developing oral proficiency skills.</td>
<td>Effective Fall 1999  Effective Spring 2015</td>
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<td>Level</td>
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<td><strong>Effective Fall 1999</strong>  <strong>Effective Spring 2015</strong></td>
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<tr>
<td>AFR 202A</td>
<td>Second-Year Swahili II</td>
<td>Intermediate</td>
<td>Spring</td>
<td>4(4-1)</td>
<td>P: AFR 201A Further intermediate-level work on speaking, reading, and writing Swahili, with continued emphasis on developing oral proficiency skills.</td>
<td>Effective Fall 1999  Effective Spring 2015</td>
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<td>Level</td>
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<td><strong>Effective Fall 1999</strong>  <strong>Effective Spring 2015</strong></td>
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<tr>
<td>AFR 202B</td>
<td>Second-Year African Language II</td>
<td>Intermediate</td>
<td>Spring</td>
<td>4(4-1)</td>
<td>R: Approval of department. Further intermediate-level work on speaking, reading, and writing an African language, with continued emphasis on developing oral proficiency skills.</td>
<td>Effective Fall 1999  Effective Spring 2015</td>
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<td>Level</td>
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<td><strong>Effective Fall 1999</strong>  <strong>Effective Spring 2015</strong></td>
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<tr>
<td>AFR 251</td>
<td>Intermediate Individualized African Language I</td>
<td>Intermediate</td>
<td>Fall</td>
<td>4(4-1)</td>
<td>A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.</td>
<td>Effective Fall 1999  Effective Summer 2015</td>
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<td>Level</td>
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<td>Intermediate-level individualized work on speaking, reading, and writing an African language, with emphasis on developing oral proficiency skills.</td>
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<td><strong>Effective Fall 1999</strong>  <strong>Effective Summer 2015</strong></td>
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<tr>
<td>AFR 252</td>
<td>Intermediate Individualized African Language II</td>
<td>Intermediate</td>
<td>Spring</td>
<td>4(4-1)</td>
<td>A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.</td>
<td>Effective Fall 1999  Effective Summer 2015</td>
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<td></td>
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<td>Level</td>
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<td>Further intermediate-level individualized work on speaking, reading, and writing an African language, with continued emphasis on developing oral proficiency skills.</td>
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<td><strong>Effective Fall 1999</strong>  <strong>Effective Summer 2015</strong></td>
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<tr>
<td>AFR 290</td>
<td>Independent Study</td>
<td>Independent</td>
<td>Fall</td>
<td>1-4</td>
<td>Spring of every year. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department. R: Not open to freshmen.</td>
<td>Effective Fall 1999  Effective Spring 2015</td>
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<td>Study</td>
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<td>Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.</td>
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<td><strong>Effective Fall 1999</strong>  <strong>Effective Spring 2015</strong></td>
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</tr>
</tbody>
</table>
AFR 450A  Advanced Swahili
Fall of every year. Spring of every year. 1 to 5 credits. A student may earn a maximum of 20 credits in all enrollments for this course. RB: AFR 202A
PCR  Advanced study of Swahili. Speaking, reading, and writing, with emphasis on developing oral proficiency skills.
   Effective Fall 1999  Effective Spring 2015

AFR 450B  Advanced African Language
Fall of every year. Spring of every year. 1 to 5 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Approval of department.
PCR  Advanced study of an African language. Speaking, reading, and writing, with emphasis on developing oral proficiency skills. Language varies.
   Effective Fall 1999  Effective Spring 2015

AFR 490  Independent Study
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department.
PCR  Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
   Effective Fall 1999  Effective Spring 2015

ARB 101  Elementary Arabic I
Fall of every year. 5(5-0)
PCR  Basic standard Arabic, speaking, listening comprehension, reading and writing, with emphasis on developing oral proficiency skills.
   Effective Summer 2012  Effective Spring 2015

ARB 102  Elementary Arabic II
Spring of every year. 5(5-0) P: ARB 101
PCR  Further work on speaking, listening comprehension, reading and writing of standard Arabic, with continued emphasis on developing oral proficiency skills.
   Effective Summer 2012  Effective Spring 2015

ARB 201  Second-Year Arabic I
Fall of every year. 5(5-0) P: ARB 102
PCR  Intermediate-level work on speaking, listening comprehension, reading and writing of standard Arabic, with increased emphasis on reading and culture.
   Effective Summer 2012  Effective Spring 2015

ARB 202  Second-Year Arabic II
Spring of every year. 5(5-0) P: ARB 201
PCR  Further intermediate-level work on speaking, listening comprehension, reading and writing standard Arabic, with increased emphasis on reading and culture.
   Effective Summer 2012  Effective Spring 2015

ARB 290  Independent Study
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. R: Approval of department.
PCR  Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
   Effective Fall 1999  Effective Spring 2015

ARB 301  Third-Year Arabic I
Fall of every year. 4(4-0) P: ARB 202 or approval of department RB: Two years of Modern Standard Arabic or equivalent.
PCR  Third-year work on speaking, listening, reading, and writing standard Arabic. Reading, writing, and oral fluency.
   Effective Summer 2012  Effective Spring 2015
PART III – COURSE CHANGES

ARB 302  Third-Year Arabic II
Spring of every year. 4(4-0) P: ARB 301 or approval of department RB: Two years of Modern Standard Arabic or equivalent
PCR  Further third-year work on speaking, listening, reading, and writing standard Arabic. Reading, writing, and oral fluency.
   Effective Summer 2012 Effective Spring 2015

ARB 401  Fourth-Year Arabic I (W)
Fall of every year. 3(3-0) P: (ARB 302 or approval of department) and completion of Tier I writing requirement RB: Advanced-proficiency in Modern Standard Arabic.
PCR  Advanced-level work on speaking, listening comprehension, reading, and writing of standard Arabic. Advanced-level reading and culture.
   SA: ARB 351
   Effective Summer 2014 Effective Spring 2015

ARB 402  Fourth-Year Arabic II (W)
Spring of every year. 3(3-0) P: (ARB 401 or approval of department) and completion of Tier I writing requirement RB: Advanced proficiency in Modern Standard Arabic.
PCR  Advanced-level work on speaking, listening comprehension, reading, and writing of standard Arabic with emphasis on advanced-level reading and culture.
   SA: ARB 352
   Effective Summer 2014 Effective Spring 2015

ARB 451  Advanced Arabic Reading
Fall of every year. 3(3-0) P: ARB 402 or approval of department RB: Advanced-proficiency in Modern Standard Arabic
PCR  Advanced-high level work on speaking, listening, reading and writing Arabic. Special attention will be given to text analysis and reading strategies.
   SA: ARB 361
   Effective Summer 2012 Effective Spring 2015

ARB 452  Advanced Arabic Writing
Spring of every year. 3(3-0) P: ARB 451 or approval of department RB: Advanced proficiency in Modern Standard Arabic.
PCR  Advanced-high level work focusing of the development of writing and oral presentation skills in Arabic. Cohesive devices and stylistic features of Arabic discourse.
   SA: ARB 362
   Effective Summer 2012 Effective Spring 2015

ARB 460  Special Topics in Arabic Culture (W)
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: (ARB 302 or approval of department) and Completion of Tier I Writing Requirement RB: Special topics in Arabic culture determined each semester by Arabic teaching faculty.
PCR  Special topics in Arabic culture determined each semester by Arabic teaching faculty.
   Effective Summer 2014 Effective Spring 2015

ARB 461  Introduction to Arabic Literature (W)
Fall of every year. 3(3-0) P: (ARB 302 or approval of department) and completion of Tier I writing requirement R: Open to undergraduate students.
PCR  Survey of Arabic literature from the pre-Islamic period to the present, focusing on the modern period. Readings selected from salient texts which will be read and discussed in Arabic.
   Effective Fall 2009 Effective Spring 2015

ARB 470  Media Arabic
Fall of every year. 3(3-0) P: ARB 402 RB: Advanced proficiency in Modern Standard Arabic
PCR  Advanced level work on the major language skills (listening, speaking, reading and writing) with emphasis on analysis of Arab media texts in all forms. Special attention to note taking skills and the analysis of the content of media materials.
   Effective Fall 2013 Effective Spring 2015
ARB 490  Independent Study
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. R: Not open to freshmen or sophomores. Approval of department. R: Not open to sophomores or freshmen. Approval of department. PCR: Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings. Effective Fall 1999 Effective Spring 2015

ARB 491  Special Topics in Arabic Studies
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. R: Approval of department. R: Not open to freshmen. Approval of department. PCR: Special topics supplementing regular course offerings proposed by faculty on a group study basis. Effective Fall 1999 Effective Spring 2015

ARB 499  Senior Thesis Research
Fall of every year. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. R: Approval of department. PCR: Research and preparation of individual research projects within the student’s academic discipline, written and presented in Arabic, under the supervision of a faculty member. Effective Fall 2009 Effective Spring 2015

ASN 290  Independent Study
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department. R: Open to freshmen. Approval of department. PCR: Special projects in an Asian Languages arranged by an individual student and a faculty member in areas supplementing regular course offerings. Effective Fall 1999 Effective Spring 2015

ASN 291  Special Topics in Asian Languages
Fall of every year. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. Not open to students with credit in ASN 491. PCR: Special topics supplementing regular course offerings proposed by faculty on a group study basis. Effective Fall 1999 Effective Spring 2015

ASN 401  East Asian Cultures (W)
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: (IAH 211B) and completion of Tier I writing requirement PCR: Selected topics in the history and culture of China, Japan, and Korea. Topics vary. SA: AL 401 Effective Fall 1999 Effective Spring 2015

ASN 464  Studies in the Literature of Asia and the Asian Diaspora (W)
Spring of every year. 3(3-0) Interdepartmental with English. A student may earn a maximum of 9 credits in all enrollments for this course. P: Completion of Tier I writing requirement. PCR: Selected writers, genres, themes, or regions in Asian and Asian diasporic literature. Effective Fall 1999 Effective Spring 2015

ASN 490  Independent Study
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to juniors or seniors. Approval of department. R: Open to seniors. Approval of department. PCR: Special projects in Asian Languages arranged by an individual student and a faculty member in areas supplementing regular course offerings. Effective Fall 1999 Effective Spring 2015
PART III – COURSE CHANGES

ASN 491  Special Topics in Asian Languages  
Fall of every year. Spring of every year. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. Rs: Open only to juniors or seniors. Approval of department. Rs: Open to seniors. Approval of department. 

PCR  Special topics supplementing regular course offerings proposed by faculty on a group study basis. 
Effective Fall 1999 Effective Spring 2015

CHS 101  Elementary Chinese I  
Fall of every year. 5(5-0) Not open to students with credit in CHS 112. 

PCR  Pronunciation, writing system, and basic vocabulary and sentence patterns, with emphasis on conversation. 
Effective Fall 1998 Effective Spring 2015

CHS 102  Elementary Chinese II  
Spring of every year. 5(5-0) P: CHS 101 

PCR  Further work on conversation, character writing, and comprehension, with increasing emphasis on vocabulary building and grammar. 
Effective Spring 2002 Effective Spring 2015

CHS 201  Second-Year Chinese I  
Fall of every year. 5(5-0) P: CHS 102 

PCR  Intermediate-level work on skills in conversation, comprehension, and grammar. Practice in composition. 
Effective Spring 2003 Effective Spring 2015

CHS 202  Second-Year Chinese II  
Spring of every year. Summer of every year. 5(5-0) P: CHS 201 

PCR  Further intermediate-level work on skills in conversation, comprehension, and grammar. Continued practice in composition. 
Effective Spring 2003 Effective Spring 2015

CHS 290  Independent Study  
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department. 

PCR  Special projects in Chinese studies arranged by an individual student and a faculty member in areas supplementing regular course offerings. 
Effective Fall 2009 Effective Spring 2015

CHS 301  Third-Year Chinese I  
Fall of every year. 4(4-0) P: CHS 202 

PCR  Advanced-level work on speaking, listening comprehension, reading, and writing skills, based on materials of cultural interest. 
Effective Fall 1999 Effective Spring 2015

CHS 302  Third-Year Chinese II  
Spring of every year. 4(4-0) P: CHS 301 

PCR  Advanced-level work on speaking, listening comprehension, reading, and writing skills, based on materials of cultural interest. 
Effective Fall 1999 Effective Spring 2015

CHS 350  Studies in the Chinese Language  
Spring of every year. 3(3-0) P: CHS 201 

PCR  Grammatical structures of modern Chinese. Grammar review, sound system, word formation, sentence and discourse structures, historical evolution of the Chinese language, dialects, sociolinguistics. 
Effective Summer 2004 Effective Spring 2015

CHS 360  Cinematic Studies of China, Hong Kong and Taiwan  
Spring of odd years. 3(3-0) 

PCR  Survey of Chinese films focusing on individual expressions with cross-cultural significance. Introduction to the underlying critique in cinematic works intertwined with power politics among other issues of global competitions and cultural interaction. 
Effective Fall 2009 Effective Spring 2015
CHS 366  Chinese Culture: Tradition and Modernity  (W)
Fall of odd years. 3(3-0) P: (CHS 202) and completion of Tier I writing requirement R: Not open to freshmen.
PCR  Critical concepts necessary to analyze Chinese works in cultural studies. Key issues in cultural studies, including indigenous heritage and modern developments with cross-cultural significance, canonizations of major schools of thought and transformations across the social divide, among others. Taught in English and Chinese.
Effective Summer 2014 Effective Spring 2015

CHS 401  Fourth-Year Chinese I
Fall of every year. 3(3-0) P: CHS 302
PCR  Reading, discussion, and writing of advanced materials, including classical texts of broad cultural interest.
Effective Fall 1999 Effective Spring 2015

CHS 402  Fourth-Year Chinese II
Spring of every year. 3(3-0) P: CHS 401
PCR  Further reading, discussion and writing based on original materials, including classical texts of broad cultural interest.
Effective Fall 1999 Effective Spring 2015

CHS 411  Advanced Spoken Chinese
Spring of even years. 3(3-0) P: CHS 302 or approval of department RB: Study abroad experience in China.
PCR  Development of advanced level spoken Chinese
Effective Fall 2009 Effective Spring 2015

CHS 466  Modern Chinese Literature and Films  (W)
Fall of odd years. 3(3-0) P: (CHS 366 or approval of department) and completion of Tier I writing requirement
PCR  Critical concepts and tools for the analytical studies in modern Chinese literature and films on the global stage. Rethinking of received notions through focused examinations of major works via cultural mediums from the late 18th century. Taught in English and Chinese.
Effective Fall 2009 Effective Spring 2015

CHS 490  Independent Study
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to juniors or seniors. Approval of department. Not open to students with credit in CHS 290.
PCR  Special projects in Chinese studies arranged by an individual student and a faculty member in areas supplementing regular course offerings.
Effective Fall 2009 Effective Spring 2015

CHS 491  Special Topics in Chinese Studies
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: CHS 302 or approval of department
PCR  Special topics in Chinese studies. Topics vary.
Effective Fall 2009 Effective Spring 2015

CHS 499  Senior Thesis Research
Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. P: Approval of department.
PCR  An individual research project supervised by a faculty member that demonstrates the student's ability to do independent research and submit or present a major paper.
Effective Fall 1999 Effective Spring 2015

GRM 101  Elementary German I
Fall of every year. Spring of every year. Summer of every year. 4(4-1) RB: No previous experience in German or designated score on German Placement Test. Not open to students with credit in GRM 150.
PCR  German language, civilization, and culture for beginning students. Work on all language skills with emphasis on speaking.
Effective Fall 1999 Effective Spring 2015
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Offerings</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>GRM 102</td>
<td>Elementary German II</td>
<td>Fall of every year</td>
<td>4(4-1)</td>
<td>4(4-1) P: (GRM 101) or designated score on German placement test. P: (GRM 101) or designated score on German Placement test. Not open to students with credit in GRM 150.</td>
</tr>
<tr>
<td>GRM 201</td>
<td>Second-Year German I</td>
<td>Fall of every year</td>
<td>4(4-0)</td>
<td>4(4-0) P: (GRM 202) or designated score on German placement test. Not open to students with credit in GRM 200.</td>
</tr>
<tr>
<td>GRM 202</td>
<td>Second-Year German II</td>
<td>Fall of every year</td>
<td>4(4-0)</td>
<td>4(4-0) P: (GRM 201) or designated score on German placement test.</td>
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<td>GRM 290</td>
<td>Independent Study</td>
<td>Fall of every year</td>
<td>1 to 4</td>
<td>1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department. R: Not open to freshmen. Approval of department.</td>
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<tr>
<td>GRM 301</td>
<td>Third-Year German I</td>
<td>Fall of every year</td>
<td>3(3-0)</td>
<td>3(3-0) P: (GRM 202) or designated score on German placement test.</td>
</tr>
<tr>
<td>GRM 302</td>
<td>Third-Year German II</td>
<td>Fall of every year</td>
<td>3(3-0)</td>
<td>3(3-0) P: GRM 202</td>
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<tr>
<td>GRM 311</td>
<td>Business German I</td>
<td>Business German</td>
<td>3(3-0)</td>
<td>3(3-0) P: (GRM 202) or designated score on German placement test. P: (GRM 202) or designated score on German Placement test. R: Not open to freshmen.</td>
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<tr>
<td>GRM 325</td>
<td>Third-Year German: Oral Communication</td>
<td>Spring of every year</td>
<td>3(3-0)</td>
<td>3(3-0) P: (GRM 202) or designated score on German Placement test.</td>
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PART III – COURSE CHANGES

GRM 341  German Literature and Culture Before 1918
Spring of every year. 3(3-0) P: (GRM 202) or designated score on German placement test.
PCR Historical, social, and cultural developments in the German-speaking world before 1918 as revealed in textual material in German, including literature, essays, and film.
Effective Summer 2004 Effective Spring 2015

GRM 342  German Literature and Culture since 1918
Fall of every year. 3(3-0) P: (GRM 202) or designated score on German Placement test
PCR Historical, social, and cultural developments in the German-speaking world since 1918 as revealed in textual material in German, including literature, essays, and film.
Effective Spring 2004 Effective Spring 2015

GRM 400  Reading German for Graduate Students
Spring of even years. 5(5-0) P: Open only to graduate students or approval of department. R:
Open to graduate students or approval of department.
PCR German grammar and syntax, with emphasis on reading and translation in specialized fields.
Effective Fall 1999 Effective Spring 2015

GRM 420  Advanced German (W)
Fall of every year. Summer of every year. 3(3-0) P: Completion of Tier I writing requirement. RB:
Two of the following courses: GRM 301, GRM 302, GRM 311, GRM 312, GRM 325, GRM 341 or
GRM 342. RB: Two of the following courses: GRM 301, GRM 302, GRM 311, GRM 325, GRM 341
or GRM 342.
PCR Advanced language skills using a variety of media. Review of grammar and syntax with attention to idiomatic usage and stylistic variation. Major writing project.
Effective Summer 2004 Effective Spring 2015

GRM 435  18th and 19th Century German Literary Studies (W)
Fall of every year. Spring 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: Two of the following courses: GRM 301, GRM 302, GRM 311, GRM 312, GRM 325, GRM 341 or GRM 342 RB: Two of the following courses: GRM 301, GRM 302, GRM 311, GRM 325, GRM 341 or GRM 342
PCR Literary and cultural texts from a given period before 1919 such as the Enlightenment, Romanticism. Representations of cultural identity, social issues and intellectual debates through literature and other texts. Major writing project.
Effective Spring 2004 Effective Spring 2015

GRM 445  20th Century and Contemporary German Literary Studies (W)
Fall of every year. Spring 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: Two of the following courses: GRM 301, GRM 302, GRM 311, GRM 312, GRM 325, GRM 341 or GRM 342 RB: Two of the following courses: GRM 301, GRM 302, GRM 311, GRM 325, GRM 341 or GRM 342
PCR Literary and cultural texts from a given period since 1919. Representations of cultural identity, social issues and intellectual debates through literature, film and other texts. Major writing project.
Effective Spring 2004 Effective Spring 2015

GRM 455  Major Themes in German Cultural History (W)
Fall of every year. Spring 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: Two of the following courses: GRM 301, GRM 302, GRM 311, GRM 312, GRM 325, GRM 341 or GRM 342 RB: Two of the following courses: GRM 301, GRM 302, GRM 311, GRM 325, GRM 341 or GRM 342
PCR Evolution of key cultural issues. Use of cultural artifacts in tracing developments across time. Topics such as nationalism, minorities in Germany, literary genres, literacy and popular cultures. Major writing project.
Effective Spring 2004 Effective Spring 2015
GRM 460  Linguistic Analysis of Modern German
Spring of every year. 3(3-0) RB: Two of the following courses: GRM 301, GRM 302, GRM 311, GRM 312, GRM 325, GRM 341 or GRM 342 RB: Two of the following courses: GRM 301, GRM 302, GRM 311, GRM 325, GRM 341 or GRM 342
PCR Analysis of grammatical, lexical, phonological and cultural aspects of German and comparison with English. Course taught in German.  
Effective Summer 2004 Effective Spring 2015

GRM 461  Teaching German Language and Culture
Fall of even years. Spring of even years. 3(3-0) P: GRM 302 R: Open to students in the German Secondary Teaching Major or in the German Elementary Teaching Major or in the German Disciplinary Teaching Minor or in the German K-12 Teaching Major or in the German Studies major. C: GRM 460 concurrently.
PCR Didactic treatment of linguistic and cultural material introduced in GRM 460.  
Effective Summer 2011 Effective Spring 2015

GRM 490  Independent Study
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Not open to freshmen. Approval of department.
PCR Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.  
Effective Fall 1999 Effective Spring 2015

GRM 491  Special Topics in German Studies
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.
PCR Special topics supplementing regular course offerings proposed by faculty on a group study basis.  
Effective Fall 1999 Effective Spring 2015

GRM 492  Capstone Project
Fall of every year. Spring of every year. 1(1-0) P: Completion of Tier I writing requirement. P: Completion of Tier I Writing Requirement P: Open only to seniors. R: Open to seniors. C: GRM 420 concurrently or GRM 435 concurrently or GRM 440 concurrently or GRM 455 concurrently or GRM 460 concurrently or GRM 491 concurrently.
PCR Preparation of a paper or project that synthesizes the student's academic experiences in the major(s). Integration of linguistic, cultural and literary studies in German.  
Effective Summer 2004 Effective Spring 2015

GRM 493  International Internship
Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. P: GRM 102 R: Not open to freshmen or sophomores. Approval of department. R: Not open to sophomores. Approval of department.
PCR Experience of German life and language through participation in an approved international internship program.  
Effective Summer 2004 Effective Spring 2015

GRM 499  Senior Thesis Research
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department. R: Open to seniors. Approval of department.
PCR An individual research project supervised by a faculty member that demonstrates the student's ability to do independent research and submit or present a major paper.  
Effective Fall 1999 Effective Spring 2015

HEB 101  Elementary Hebrew I
Fall of every year. 4(4-1)
PCR Spoken and written Hebrew for conversation, reading, and research. Basic grammatical analysis of modern Hebrew.  
Effective Summer 2001 Effective Spring 2015
PART III – COURSE CHANGES

HEB 102  Elementary Hebrew II
Spring of every year. 4(4-1) P: HEB 101
PCR  Further work on spoken and written Hebrew for conversation, reading, and research.
Further basic grammatical analysis of modern Hebrew.
Effective Summer 2001 Effective Spring 2015

HEB 201  Second-Year Hebrew I
Fall of every year. 4(4-0) P: HEB 102
PCR  Intermediate-level spoken and written Hebrew for conversation, reading, and research.
Advanced grammatical analysis of modern Hebrew.
Effective Summer 2001 Effective Spring 2015

HEB 202  Second-Year Hebrew II
Spring of every year. 4(4-0) P: HEB 201
PCR  Further intermediate-level spoken and written Hebrew for conversation, reading, and research. Further advanced grammatical analysis of modern Hebrew.
Effective Summer 2001 Effective Spring 2015

HEB 290  Independent Study
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. R: Approval of department.
PCR  Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
Effective Fall 1999 Effective Spring 2015

HEB 490  Independent Study
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. R: Not open to freshmen or sophomores. Approval of department. R: Not open to sophomores. Approval of department.
PCR  Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
Effective Fall 1999 Effective Spring 2015

JPN 101  Elementary Japanese I
Fall of every year. 5(5-0) Not open to students with credit in JPN 100.
Effective Summer 2014 Effective Spring 2015

JPN 102  Elementary Japanese II
Spring of every year. 5(5-0) P: JPN 101 Not open to students with credit in JPN 100.
PCR  Further work on beginning-level speaking, listening comprehension, reading, writing, and grammar. Continued emphasis on accurate communication. Additional Kanji and aspects of culture.
Effective Summer 2014 Effective Spring 2015

JPN 201  Second-Year Japanese I
Fall of every year. 5(5-0) P: JPN 102 Not open to students with credit in JPN 200.
Effective Summer 2014 Effective Spring 2015

JPN 202  Second-Year Japanese II
Spring of every year. 5(5-0) P: JPN 201 Not open to students with credit in JPN 200.
PCR  Continuation of JPN 201. Additional Kanji and aspects of culture. Continued emphasis on accurate communication.
Effective Summer 2014 Effective Spring 2015
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Schedule</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Section Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>JPN 290</td>
<td>Independent Study</td>
<td>Fall of every year. Spring of every year. Summer of every year.</td>
<td>1 to 6</td>
<td>1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department. Not open to students with credit in JPN 490.</td>
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<tr>
<td></td>
<td>Special projects in Japanese studies arranged by an individual student and a faculty member in areas supplementing regular course offerings.</td>
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<td><strong>Effective Fall 2010 Effective Spring 2015</strong></td>
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<tr>
<td>JPN 301</td>
<td>Third-Year Japanese I</td>
<td>Fall of every year. 4(4-0)</td>
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<td>Not open to students with credit in JPN 300.</td>
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<td>High intermediate-level speaking, listening comprehension, reading, writing, and grammar of modern Japan. Use of some authentic materials, both spoken and written. Additional Kanji and aspects of culture. Class conducted mostly in Japanese.</td>
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<td><strong>Effective Summer 2014 Effective Spring 2015</strong></td>
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<tr>
<td>JPN 302</td>
<td>Third-Year Japanese II</td>
<td>Spring of every year. 4(4-0)</td>
<td>3</td>
<td>Not open to students with credit in JPN 300.</td>
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<td>Continuation of JPN 301. Additional Kanji and aspects of culture. Class conducted mostly in Japanese.</td>
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<td><strong>Effective Summer 2014 Effective Spring 2015</strong></td>
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<tr>
<td>JPN 350</td>
<td>Studies in Japanese Language</td>
<td>Spring of every year. 3(3-0)</td>
<td>3</td>
<td>P: JPN 202</td>
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<td>Outline of the Japanese language, partly taught in English. History, styles, socio-linguistic issues (e.g. honorifics, gender differences, dialects). Review of important structures and phrases.</td>
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<td><strong>Effective Fall 1999 Effective Spring 2015</strong></td>
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<tr>
<td>JPN 369</td>
<td>Introduction to Japanese Literature and Culture</td>
<td>Fall of every year. Spring of every year. 3(3-0)</td>
<td>3</td>
<td>P: (IAH 211B or IAH 211C or IAH 211D or IAH 221B or IAH 221C or IAH 231B or IAH 231C or IAH 241A or IAH 241C or IAH 241D) or (HST 369 or HST 370) and JPN 202 and Completion of Tier I Writing Requirement R: Open to juniors or seniors.</td>
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<td>Critical concepts and tools necessary to analyze discourses on Japanese culture and literature. Key issues in Japanese studies, including the emergence of pre-modern and modern literary genres and styles, the canonization of national literature, and the nature of translation and transformation. Taught in English and Japanese.</td>
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<td><strong>Effective Summer 2014 Effective Spring 2015</strong></td>
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<tr>
<td>JPN 401</td>
<td>Fourth-Year Japanese I</td>
<td>Fall of every year. 3(3-0)</td>
<td>3</td>
<td>P: JPN 302</td>
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<td>Advanced work on speaking, listening comprehension, reading, and writing. Some classical grammar. Extensive use of original technical and non-technical materials, both spoken and written. Additional Kanji and aspects of culture. Class conducted entirely in Japanese.</td>
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<tr>
<td>JPN 402</td>
<td>Fourth-Year Japanese II</td>
<td>Spring of every year. 3(3-0)</td>
<td>3</td>
<td>P: JPN 401</td>
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<td>Continuation of JPN 401. Additional Kanji and aspects of culture.</td>
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<tr>
<td>JPN 431</td>
<td>Advanced Spoken Japanese</td>
<td>Fall of odd years. 3(3-0)</td>
<td>3</td>
<td>P: JPN 302 or approval of department</td>
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<td>JPN 441</td>
<td>Japanese Short Stories</td>
<td>Spring of every year. 3(3-0)</td>
<td>3</td>
<td>P: JPN 302 or approval of department</td>
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</table>
PART III – COURSE CHANGES

JPN 451 Advanced Japanese for Japanese Language Proficiency Test Preparation
Fall of even years. 3(3-0) P: JPN 302 or approval of department
Effective Fall 2010 Effective Spring 2015

JPN 469 Research Seminar in Japanese Literature and Culture (W)
Fall of every year. Spring of every year. 3(3-0) P: (JPN 369) and completion of Tier I writing requirement R: Open to juniors or seniors.
PCR Critical concepts and tools for analysis of discourses on Japanese culture and literature. Re-examination of the received notion of Japanese uniqueness through focused investigation of a specific foundational literary narrative in circulation via various cultural mediums in the twenty-first century. Taught in English and Japanese.
Effective Fall 2010 Effective Spring 2015

JPN 471 Classical Japanese I
Fall of every year. 3(3-0) P: JPN 302 RB: (IAH 211B or concurrently) and (HST 369 or concurrently) and (HST 370 or concurrently) R: Approval of department.
Effective Spring 2011 Effective Spring 2015

JPN 472 Classical Japanese II
Spring of every year. 3(3-0) P: JPN 471 R: Approval of department.
PCR Classical Japanese grammar and syntax. Readings from original texts from pre-1600 Japan.
Effective Spring 2014 Effective Spring 2015

JPN 490 Independent Study
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department. Not open to students with credit in JPN 290.
PCR Special projects in Japanese studies arranged by an individual student and a faculty member in areas supplementing regular course offerings.
Effective Fall 2010 Effective Spring 2015

JPN 493 Study Abroad Experience in Japan
Fall of every year. Spring of every year. Summer of every year. 2(2-0) P: JPN 202 R: Approval of department. C: JPN 301 concurrently or JPN 302 concurrently or JPN 401 concurrently or JPN 402 concurrently.
PCR Japanese language training in Japan.
Effective Fall 2010 Effective Spring 2015

JPN 499 Senior Thesis Research
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department.
PCR Individual research project supervised by a faculty member that demonstrates the student's ability to do independent research and submit or present a major paper.
Effective Fall 1999 Effective Spring 2015

RUS 101 Elementary Russian I
Fall of every year. 4(4-1)
PCR Russian language and culture. Development of skills in speaking, reading, listening, and writing.
Effective Fall 1994 Effective Spring 2015

RUS 102 Elementary Russian II
Spring of every year. 4(4-1) P: RUS 101
PCR Further work on Russian language and culture. Further development of skills in speaking, reading, listening comprehension, and writing.
Effective Fall 1999 Effective Spring 2015
RUS 201  Second-Year Russian I  
Fall of every year. 4(4-0) P: RUS 102  
PCR  
Intermediate-level development of Russian communication skills. Presentation and discussion of original oral and written texts on aspects of Russian life and culture.  
Effective Fall 1999  Effective Spring 2015  

RUS 202  Second-Year Russian II  
Spring of every year. 4(4-0) P: RUS 201  
PCR  
Further intermediate-level development of Russian communication skills. Further presentation and discussion of original oral and written texts on aspects of Russian life and culture.  
Effective Fall 1999  Effective Spring 2015  

RUS 231  19th-Century Russian Literature in Translation  
Fall of every year. 3(3-0)  
PCR  
Writings of authors such as Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, and Tolstoy as they examine important ethical questions and reflect social and political concerns.  
Effective Summer 2005  Effective Spring 2015  

RUS 232  20th-Century Russian Literature in Translation  
Spring of every year. 3(3-0)  
PCR  
Writings of Chekhov, Bulgakov, Pasternak, Solzhenitsyn and Petrushevskaya as they examine the individual’s search for identity in twentieth-century Russian society.  
Effective Summer 2005  Effective Spring 2015  

RUS 290  Independent Study  
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department.  
PCR  
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.  
Effective Fall 1999  Effective Spring 2015  

RUS 311  Advanced Russian: Oral Communication  
Spring of every year. Summer of every year. 3(3-0) P: RUS 201  
PCR  
Development of listening comprehension and oral communication in Russian. Expansion of vocabulary, development of fluency, and use of idiomatic expressions. Review of grammatical structures relevant for speaking.  
Effective Summer 2005  Effective Spring 2015  

RUS 341  Russian Life and Culture of the 20th Century  
Summer of every year. 3(3-0) P: RUS 202  
PCR  
Social, political, intellectual, and artistic life of twentieth-century Russia. Texts read in Russian.  
Effective Fall 2004  Effective Spring 2015  

RUS 420  Russian Life and Culture Before World War I  
Fall of every year. 3(3-0) P: RUS 202  
PCR  
Advanced Russian language course. Social and cultural developments in Russia before 1914, using primary documents and films. Themes include Russian folk belief, life under the Tsars, the place of minorities in the Russian empire, and gender issues in Russia.  
Effective Summer 2005  Effective Spring 2015  

RUS 421  Russian Life and Culture in the 20th Century  
Spring of every year. 3(3-0) P: RUS 202  
PCR  
Advanced Russian language course. Social and cultural developments in Russia and the Soviet Union between 1914 and 1991, using primary documents, television shows, and films. Themes include the revolutions of 1917, the rise of Stalin, the Cold War, the place of minorities in the Soviet Union, and the break-up of the Soviet Union.  
Effective Summer 2005  Effective Spring 2015
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
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<tbody>
<tr>
<td>RUS 440</td>
<td>Contemporary Russian Life and Culture (W)</td>
<td>Fall of every year.</td>
<td>3(3-0)</td>
<td>R: RUS 202</td>
<td>Advanced Russian language course. Social and cultural developments in Russia since the break-up of the Soviet Union. Significant internet component. Themes include Russian life today, organized crime and business, conflict in Chechnya, and Russian attitudes toward the United States.</td>
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<td><strong>Effective Summer 2005 Effective Spring 2015</strong></td>
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<td>RUS 441</td>
<td>Russian Literature (W)</td>
<td>Spring of every year.</td>
<td>3(3-0)</td>
<td>R: RUS 202</td>
<td>Advanced Russian language course. Reading and discussion of key works of Russian literature. Frequent interpretive essays.</td>
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<td>RUS 490</td>
<td>Independent Study</td>
<td>Fall of every year.</td>
<td>1 to 6</td>
<td>R: Approval of department</td>
<td>Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.</td>
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<td><strong>Effective Spring 2015</strong></td>
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<td>RUS 491</td>
<td>Special Topics in Russian Studies</td>
<td>Fall of every year.</td>
<td>1 to 6</td>
<td>R: Approval of department</td>
<td>Special topics supplementing regular course offerings, proposed by faculty on a group study basis.</td>
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<td>RUS 493</td>
<td>Overseas Internship</td>
<td>Fall of every year.</td>
<td>1 to 12</td>
<td>R: Not open to freshmen or sophomores. R: Approval of department</td>
<td>Study of Russian language, culture, and literature at an approved site in the Russia. Exposure to Russian life and current events. Interaction with the Russian people.</td>
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<tr>
<td>RUS 499</td>
<td>Senior Thesis Research</td>
<td>Fall of every year.</td>
<td>1 to 6</td>
<td>R: Approval of department</td>
<td>An individual research project supervised by a faculty member that demonstrates the student's ability to do independent research and submit or present a major paper.</td>
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**DEPARTMENT OF MANAGEMENT**

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<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
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<tbody>
<tr>
<td>MGT 842</td>
<td>Leading The Strategic Change Process</td>
<td>Leading Strategic Change</td>
<td>Spring of odd years.</td>
<td>1 to 3 credits. P: MBA 824 or MGT 824 R: Open to masters students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or approval of department.</td>
<td>Analysis and management of the change process in organizations. Micro- and macro-organizational interventions.</td>
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<td><strong>Effective Fall 2014 Effective Summer 2015</strong></td>
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DEPARTMENT OF MARKETING

MKT 412  Marketing Technology and Analytics
Spring of every year. 3(3-0) Interdepartmental with Information Technology Management. P: MKT 300 and MKT 317 and ITM 309 P: (MKT 300 or MKT 327) and MKT 317 and ITM 309 P: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management or, in the Information Technology Specialization and open to masters students in the Marketing Research major. R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and open to masters students in the Marketing Research major.
Collection and analysis of information from the web, including web-based surveys, web analytics, online communities, blog scraping, and web spiders.
SA: MSC 412
Effective Spring 2013 Effective Fall 2015

DEPARTMENT OF MATHEMATICS

MTH 458  Financial Mathematics for Actuaries
Financial Mathematics for Actuaries II
Fall of every year. 3(3-0) Interdepartmental with Statistics and Probability. P: MTH 360 and STT 441 and EL 379 P: MTH 361 and STT 441 RB: MTH 340 or MTH 347H RB: MTH 235 or MTH 340 or MTH 347H
Effective Fall 2013 Effective Fall 2015

DEPARTMENT OF MEDIA AND INFORMATION

TC 101  Understanding Media in the Information Age
MI 101  Fall of every year. Spring of every year. Summer of every year. 3(3-0)
Critique and analysis of media including television, radio, film, handhelds, video games, social media and the Internet. Media history, policy, industry structure, and ethics. Technology, industry and social trends affecting the media in the information society.
SA: TC 100, TC 110 SA: TC 100, TC 110, TC 101
Effective Fall 2014 Effective Fall 2015

TC 201  Introduction to Media and Information Technology
MI 201  Introduction to Media and Information Technologies and Industries
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: TC 101 or CSE 234 P: MI 101 or CSE 231
Operational principles and applications of media and information technologies. Overview of the media and information industries.
SA: TC 201
Effective Fall 2014 Effective Fall 2015

TC 247  Three-Dimensional Modeling and Design
MI 247  Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: ((CAS 111 or CAS 112) and (CAS 206 or CAS 205 or CAS 207)) or (STA 110 and STA 113) P: ((CAS 111 or CAS 112) and (CAS 205 or CAS 206 or CAS 207)) or (STA 110 and STA 113) P: Open to students in the Department of Telecommunication, Information Studies and Media or in the Game Design and Development Specialization. R: Open to students in the Department of Media and Information or in the Game Design and Development Specialization.
Principles of 3D of computer graphics applied in cinema, games, illustration, design and sculpture. Use of 3D software to create and manipulate synthetic objects, materials, lights, and cameras.
SA: TC 247
Effective Fall 2014 Effective Fall 2015
PART III – COURSE CHANGES

TC 291  Special Topics
MI 291  Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: A student may earn a maximum of 16 credits in MI 291 and MI 491.
Contemporary issues in media and communication technology.
SA: TC 291
Effective Fall 2014 Effective Fall 2015

TC 300  Media Policy and Economics
MI 300  Fall of every year. 3(3-0) P: TC 101 P: MI 101
Economics and public policy related to traditional, new and emerging media, including radio, television, cinema, telephony, mobile communications, interactive media, and the Internet.
SA: TC 200, TC 210 SA: TC 200, TC 210, TC 300
Effective Fall 2014 Effective Fall 2015

TC 301  Bringing Media to Market
MI 301  Spring of every year. Summer of every year. 3(3-0) P: TC 101 P: MI 101
Process of bringing media to market across multiple delivery platforms including broadcast, cable, satellite, internet and mobile devices. Industry structure of creative and distribution methods, pricing and repurposing of content. Practical and theoretical models of the behavior of media consumers.
SA: TC 356, TC 381 SA: TC 356, TC 381, TC 301
Effective Fall 2014 Effective Fall 2015

TC 331  Introduction to Interactive Media Design
MI 331  Introduction to Interactive Media Development
Fall of every year. Spring of every year. 3(2-2) P: CAS 204 and CAS 208 R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Game Design and Development Specialization or in the Information Technology Specialization. R: Open to students in the Department of Media and Information or in the Design Specialization or in the Game Design and Development Specialization.
Brainstorming, planning, implementing, and troubleshooting applications and interfaces for interactive media. Basic principles of programming for interactivity.
SA: TC 241 SA: TC 241, TC 331
Effective Fall 2014 Effective Fall 2015

TC 337  Compositing and Special Effects
MI 337  Fall of every year. 3(1-4) P: {(CAS 201 and CAS 202) and (CAS 205 or CAS 206 or CAS 207)} or THR 219 R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Department of Theatre or in the Documentary Studies Specialization or in the Fiction Film Production Specialization. R: Open to students in the Department of Media and Information or in the Department of Theatre or in the Documentary Studies Specialization or in the Fiction Film Production Specialization. Not open to students with credit in THR 337.
Conceptual and technical use of animation and compositing software for television, cinema, interactive media, and live performance.
SA: TC 437 SA: TC 437, TC 337
Effective Fall 2014 Effective Fall 2015

TC 341  Film Style Production for Cinema and Television
MI 341  Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: CAS 112 and CAS 201 and CAS 202 R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Documentary Studies Specialization or in the Design Specialization or in the Fiction Film Production Specialization. R: Open to students in the Department of Media and Information or in the Documentary Studies Specialization or in the Fiction Film Production Specialization.
Advanced film style planning, techniques, and aesthetic principles for cinema and television production.
SA: TC 341
Effective Fall 2014 Effective Fall 2015
PART III – COURSE CHANGES

TC 342  Multi Camera Production for Television
MI 342
Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: CAS 112 and CAS 201 and CAS 202  R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Documentary Studies Specialization or in the Design Specialization or in the Fiction Film Production Specialization. R: Open to students in the Department of Media and Information or in the Documentary Studies Specialization or in the Fiction Film Production Specialization.
Conceptualizing, designing, planning, producing, directing and evaluating multi-camera video programs.
SA: TC 342
Effective Fall 2014 Effective Fall 2015

TC 343  Basic Audio Production
MI 343
Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: CAS 112 and CAS 201 and CAS 202  R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Documentary Studies Specialization or in the Design Specialization or in the Fiction Film Production Specialization. R: Open to students in the Department of Media and Information or in the Documentary Studies Specialization or in the Fiction Film Production Specialization.
Basic audio production techniques. In-depth audio and radio industry analysis. Media writing.
SA: TC 343
Effective Fall 2014 Effective Fall 2015

TC 346  Web and Mobile Game Design
MI 346
Introduction to Game Design
Fall of every year. 3(2-2) P: TC 331 or CSE 332 P: (MI 331 or concurrently) or (CSE 331 or concurrently)  R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Department of Computer Science and Engineering or in the Game Design and Development Specialization.  R: Open to students in the Department of Media and Information or in the Department of Computer Science and Engineering or in the Game Design and Development Specialization.
Design and development of digital games for the web and mobile platforms. Analyze, critique, and design of non-digital and digital games. Overview of game industry.
SA: TC 346
Effective Fall 2014 Effective Fall 2015

TC 347  Three-Dimensional Computer Animation
MI 347
Advanced Three-Dimensional Computer Animation
Spring of every year. 3(2-2) P: TC 247 P: MI 247  R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Design Specialization or in the Game Design and Development Specialization.  R: Open to students in the Department of Media and Information or in the Game Design and Development Specialization.
How aesthetic skill, technical competency, and engaging performance are woven together to create compelling animation using 3D computer graphics. Use of industry standard software to create, manipulate and render synthetic characters and their environments.
SA: TC 347
Effective Fall 2014 Effective Fall 2015

TC 348  Advanced Lighting and Camera Techniques
MI 348
Fall of every year. Spring of every year. 3(1-4) P: TC 341 P: MI 341  R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Documentary Studies Specialization or in the Fiction Film Production Specialization.
Advanced techniques for manipulation of light and image characteristics in film and television settings.
SA: TC 348
Effective Fall 2014 Effective Fall 2015
PART III – COURSE CHANGES

TC 349  Client-Side Web Development  
MI 349  Web Design and Development  
Fall of every year. 3(2-2) P: (CAS 204 and CAS 205) or TC 331 or CSE 232 P: (CAS 204 and CAS 205) or MI 331 or CSE 231 R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Department of Computer Science and Engineering or in the Design Specialization or in the Information and Communication Technology for Development Specialization or in the Information Technology Specialization.  
R: Open to students in the Department of Media and Information or in the Department of Computer Science and Engineering or in the Design Specialization or in the Information and Communication Technology for Development Specialization.  
Development of web sites, services, and applications that employ primarily client-side technologies.  
Design and development of web sites, services, and applications that employ primarily web browser technologies.  
SA: TC 349  
Effective Fall 2014 Effective Fall 2015

TC 351  Producing For Cinema and Television  
MI 351  Spring of every year. 3(3-0) P: (CAS 201 and CAS 202) and CAS 112 P: CAS 112 and (CAS 201 and CAS 202) R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Documentary Studies Specialization or in the Design Specialization or in the Fiction Film Production Specialization.  
R: Open to students in the Department of Media and Information or in the Documentary Studies Specialization or in the Fiction Film Production Specialization.  
Conceptualizing, designing, planning, and developing projects for cinema and television.  
SA: TC 351  
Effective Fall 2014 Effective Fall 2015

TC 355  Media Research  
MI 355  Media and Information Research  
Spring of every year. 3(3-0) RB: Completion of University Math Requirement R: Open to juniors or seniors in the Department of Advertising and Public Relations or in the Department of Telecommunication, Information Studies and Media.  
R: Open to juniors or seniors in the Department of Advertising and Public Relations or in the Department of Media and Information.  
Applied media research methods, practices, techniques and ethics in media settings.  
Applied media and information research methods, practices, techniques and ethics.  
SA: ADV 340, TC 376, ADV 355-SA: ADV 340, ADV 355, TC 376, TC 355  
Effective Summer 2015 Effective Fall 2015

TC 359  Server-Side Web Development  
MI 359  Spring of every year. 3(2-2) P: TC 349 P: MI 331 or CSE 231 R: Open to students in the Department of Telecommunication, Information Studies and Media or in the Department of Computer Science and Engineering or in the Information and Communication Technology for Development Specialization or in the Information Technology Specialization.  
R: Open to students in the Department of Media and Information or in the Department of Computer Science and Engineering or in the Information and Communication Technology for Development Specialization.  
Development of advanced Web sites, services, and applications that employ both client-side and server-side technologies.  
Development of advanced Web sites, services, and applications that employ both browser and server-side technologies.  
SA: TC 449-SA: TC 449, TC 359  
Effective Fall 2014 Effective Fall 2015

TC 361  Information and Communication Technology Management  
MI 361  Fall of every year. 3(3-0) P: TC 201 or CSE 234 P: MI 201 or CSE 231  
Technologies and organizations that support data communications infrastructure.  
Case studies of businesses that develop the infrastructure.  
SA: TC 361  
Effective Fall 2014 Effective Fall 2015
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<tr>
<th>Course Code</th>
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<th>Credits</th>
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<th>Prerequisites</th>
<th>Restrictions</th>
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<tbody>
<tr>
<td>TC 362</td>
<td>Web Administration</td>
<td>3(2-2)</td>
<td>Spring of every year</td>
<td>P: TC 331 or CSE 232 P: MI 331 or MI 349 or CSE 232 R: (TC 361 or concurrently) or (TC 349 or concurrently)</td>
<td>Open to students in the Department of Telecommunication, Information Studies and Media or in the Department of Computer Science and Engineering or in the Information and Communication Technology for Development Specialization or in the Information Technology Specialization. R: Open to students in the Department of Media and Information or in the Department of Computer Science and Engineering or in the Information and Communication Technology for Development Specialization or in the Information Technology Minor.</td>
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<td>MI 362</td>
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<tr>
<td>TC 401</td>
<td>Topics in Media Impacts on Society</td>
<td>3(3-0)</td>
<td>Fall of every year. Spring of every year.</td>
<td>P: TC 101 and Completion of Tier I Writing Requirement P: MI 101 and Completion of Tier I Writing Requirement</td>
<td>Open to graduate students or undergraduate students in the Department of Telecommunication, Information Studies and Media.</td>
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<tr>
<td>TC 411</td>
<td>Collaborative Documentary Design and Production (W)</td>
<td>3(2-2)</td>
<td>Spring of every year</td>
<td>P: TC 341 and Completion of Tier I Writing Requirement P: MI 341 and Completion of Tier I Writing Requirement</td>
<td>Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media.</td>
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<td>MI 411</td>
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<tr>
<td>TC 442</td>
<td>Design of Cinema and Television Projects (W)</td>
<td>3(2-2)</td>
<td>Fall of every year. Spring of every year. Summer of every year.</td>
<td>P: TC 341 and Completion of Tier I Writing Requirement P: MI 341 and Completion of Tier I Writing Requirement</td>
<td>Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media.</td>
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<td>MI 442</td>
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<tr>
<td>TC 443</td>
<td>Audio Industry Design and Management (W)</td>
<td>3(2-2)</td>
<td>Fall of every year. Spring of every year.</td>
<td>P: TC 343 and Completion of Tier I Writing Requirement P: MI 343 and Completion of Tier I Writing Requirement</td>
<td>Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media. R: Open to juniors or seniors or graduate students in the Department of Media and Information.</td>
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<td>MI 443</td>
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### PART III – COURSE CHANGES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC 445</td>
<td>Game Design and Development I</td>
<td>Fall of every year</td>
<td>3(2-2)</td>
<td>(TC 331 or CSE 331 or CSE 335 or STA 360) and Completion of Tier I Writing Requirement</td>
<td>Open to students in the Design Specialization or in the Game Design and Development Specialization and open to graduate students in the Department of Telecommunication, Information Studies and Media.</td>
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<tr>
<td>MI 445</td>
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<td>(MI 331 or CSE 331 or CSE 335 or STA 360) and Completion of Tier I Writing Requirement</td>
<td>Open to students in the Game Design and Development Specialization and open to graduate students in the Department of Media and Information.</td>
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<tr>
<td>TC 447</td>
<td>Advanced Three-Dimensional Animation Workshop (W)</td>
<td>Fall of every year</td>
<td>3(1-4)</td>
<td>(TC 347 and Completion of Tier I Writing Requirement P: (MI 347 or MI 377) and Completion of Tier I Writing Requirement RB: TC 247 or TC 347</td>
<td>Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media or in the Design Specialization or in the Game Design and Development Specialization or approval of department.</td>
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<tr>
<td>MI 447</td>
<td>Three-Dimensional Modeling and Animation Workshop (W)</td>
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<tr>
<td>TC 450</td>
<td>Human Computer Interaction and User Experience Design (W)</td>
<td>Fall of every year</td>
<td>3(2-2)</td>
<td>(TC 331 or TC 346 or TC 349) and Completion of Tier I Writing Requirement P: (MI 331 or MI 346 or MI 349) and Completion of Tier I Writing Requirement</td>
<td>Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media or in the Department of Computer Science and Engineering.</td>
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<tr>
<td>MI 450</td>
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<tr>
<td>TC 452</td>
<td>Media Strategy (W)</td>
<td>Fall of every year</td>
<td>3(3-0)</td>
<td>(TC 300 and TC 301) and Completion of Tier I Writing Requirement P: (MI 300 and MI 301) and Completion of Tier I Writing Requirement</td>
<td>Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media.</td>
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<tr>
<td>MI 452</td>
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<tr>
<td>TC 455</td>
<td>Game Design and Development II</td>
<td>Spring of every year</td>
<td>3(2-2)</td>
<td>(TC 445 and Completion of Tier I Writing Requirement P: MI 445 and Completion of Tier I Writing Requirement RB: TC 247 or TC 347</td>
<td>Open to students in the Game Design and Development Specialization and open to graduate students in the Department of Telecommunication, Information Studies and Media.</td>
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<tr>
<td>MI 455</td>
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</tbody>
</table>
**TC 458**  Project Management (W)  
Spring of every year. 3(3-0) P: (TC 301) and completion of Tier I writing requirement  
P: (MI 301) and completion of Tier I writing requirement  
R: Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media or in the Applied Engineering Sciences Major. R: Open to juniors or seniors or graduate students in the Department of Media and Information or in the Applied Engineering Sciences Major. Not open to students with credit in TC 499. Not open to students with credit in MI 499.  
Managing complicated and multidisciplinary projects. Organizing projects into manageable elements: scope, time, cost, quality, human resources, communication, risk, procurement, and integration. Communicate with stakeholders. Analyze organizations. Develop a budget. Identify roles and responsibilities during the critical planning, deployment, and evaluation stages.  
SA: TC 458  
Effective Fall 2014 Effective Fall 2015

**TC 462**  Social Computing (W)  
Fall of every year. 3(2-2) P: (TC 349 or TC 361) and Completion of Tier I Writing Requirement  
P: (MI 349 or MI 361) and Completion of Tier I Writing Requirement  
R: Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media or in the Information and Communication Technology for Development Specialization. R: Open to juniors or seniors or graduate students in the Department of Media and Information or in the Information and Communication Technology for Development Specialization.  
Social and technological perspectives on how people collaborate using information and communication technology. Experience with using multiple collaboration platforms and analysis of differences between enabling technologies.  
SA: TC 462B SA: TC 462B, TC 462  
Effective Fall 2014 Effective Fall 2015

**TC 472**  Electronic Commerce (W)  
Spring of every year. 3(2-2) P: (TC 349 or TC 361) and completion of Tier I writing requirement  
P: (MI 349 or MI 361) and completion of Tier I writing requirement  
R: TC 359 or concurrently  
R: MI 359 or concurrently  
R: Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media or in the Information and Communication Technology for Development Specialization or in the Information Technology Specialization. R: Open to juniors or seniors or graduate students in the Department of Media and Information or in the Information and Communication Technology for Development Specialization.  
Technologies, business models, and organizational and social implications of electronic commerce. Design of e-commerce sites.  
SA: TC 462C SA: TC 462C, TC 472  
Effective Fall 2014 Effective Fall 2015

**TC 480**  Information and Communication Technologies for Development  
Fall of every year. 3(3-0) Interdepartmental with Engineering. P: Completion of Tier I Writing Requirement  
P: Open to students in the College of Engineering or in the Department of Telecommunication, Information Studies and Media or in the Information and Communication Technology for Development Specialization.  
Role of information and communication technologies in facilitating social, political, economic, and environmental change in developing nations. This course will prepare students with the knowledge and skills necessary to understand the role of information and communications technologies (ICT) in developing countries. This includes theories and case studies that link ICT and social, political, economic, and environmental change.  
SA: TC 480  
Effective Fall 2014 Effective Fall 2015
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>TC 488</td>
<td>Information and Communication Technology Global Corps Field Study (W)</td>
<td>Spring of every year. Summer of every year. 3 to 6 credits. Interdepartmental with Engineering. A student may earn a maximum of 6 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement RB: MI 480 R: Open to students in the College of Engineering or in the Department of Telecommunication, Information Studies and Media or in the Information and Communication Technology for Development Specialization. Implementation of an information and communication technology project in a developing country, rural region of the U.S., or low income urban area. Includes on-campus preparation followed by field work on location. Students will learn about the challenges and opportunities of implementing an information and communication technology in a developing country or underprivileged region of the United States. Students will gain hands-on experience conducting field work on location. SA: TC 488. Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>MI 488</td>
<td>Information and Communication Technology Development Project (W)</td>
<td>Spring of every year. Summer of every year. 3 to 6 credits. Interdepartmental with Engineering. A student may earn a maximum of 6 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement RB: MI 480 R: Open to students in the College of Engineering or in the Department of Telecommunication, Information Studies and Media or in the Information and Communication Technology for Development Specialization. Implementation of an information and communication technology project in a developing country, rural region of the U.S., or low income urban area. Includes on-campus preparation followed by field work on location. Students will learn about the challenges and opportunities of implementing an information and communication technology in a developing country or underprivileged region of the United States. Students will gain hands-on experience conducting field work on location. SA: TC 488. Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>TC 490</td>
<td>Independent Study</td>
<td>Fall of every year. Spring of every year. 1 to 7 credits. A student may earn a maximum of 7 credits in all enrollments for this course. R: Open to undergraduate students in the Department of Telecommunication, Information Studies and Media. Approval of department; application required. R: Open to undergraduate students in the Department of Media and Information. Approval of department; application required. Directed study under faculty supervision. SA: TC 490. Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>MI 490</td>
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<td>Fall of every year. Spring of every year. 1 to 7 credits. A student may earn a maximum of 7 credits in all enrollments for this course. R: Open to undergraduate students in the Department of Telecommunication, Information Studies and Media. Approval of department; application required. R: Open to undergraduate students in the Department of Media and Information. Approval of department; application required. Directed study under faculty supervision. SA: TC 490. Effective Fall 2014 Effective Fall 2015</td>
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<td>TC 491</td>
<td>Special Topics</td>
<td>Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media. R: Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media. A student may earn a maximum of 16 credits MI291 and MI491. Contemporary issues in media and communication technology. SA: TC 491. Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>MI 491</td>
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<td>Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media. R: Open to juniors or seniors or graduate students in the Department of Telecommunication, Information Studies and Media. A student may earn a maximum of 16 credits MI291 and MI491. Contemporary issues in media and communication technology. SA: TC 491. Effective Fall 2014 Effective Fall 2015</td>
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<td>TC 493</td>
<td>Internship</td>
<td>Fall of every year. Spring of every year. 1 to 7 credits. A student may earn a maximum of 7 credits in all enrollments for this course. RB: TC 101 and TC 201 and TC 301 RB: MI 101 and MI 201 and MI 301 R: Open to undergraduate students in the Department of Telecommunication, Information Studies and Media. Approval of department; application required. R: Open to undergraduate students in the Department of Media and Information. Approval of department; application required. Supervised professional experience in a media or information institution, business or facility. Request the use of the Pass-No Grade (P-N) system. SA: TC 493. Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>MI 493</td>
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<td>Fall of every year. Spring of every year. 1 to 7 credits. A student may earn a maximum of 7 credits in all enrollments for this course. RB: TC 101 and TC 201 and TC 301 RB: MI 101 and MI 201 and MI 301 R: Open to undergraduate students in the Department of Telecommunication, Information Studies and Media. Approval of department; application required. R: Open to undergraduate students in the Department of Media and Information. Approval of department; application required. Supervised professional experience in a media or information institution, business or facility. Request the use of the Pass-No Grade (P-N) system. SA: TC 493. Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>TC 497</td>
<td>Game Design Studio</td>
<td>Fall of every year. 3(1-4) P: TC 455 P: MI 455 R: Open to students in the Game Design and Development Specialization and open to graduate students in the Department of Telecommunication, Information Studies and Media. R: Open to students in the Game Design and Development Specialization and open to graduate students in the Department of Media and Information. Conceptualization, design documentation, planning, prototyping, and distribution of games. SA: TC 497. Effective Fall 2014 Effective Fall 2015</td>
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</table>
PART III – COURSE CHANGES

TC 498  Collaborative Game Design (W)
MI 498
Spring of every year. 3(2-2)  P: (TC 445 and TC 455 and TC 497) and completion of Tier I writing requirement  R: Open to students in the Game Design and Development Specialization and open to graduate students in the Department of Telecommunication, Information Studies and Media.  R: Open to students in the Game Design and Development Specialization and open to graduate students in the Department of Media and Information.

Design and development of comprehensive digital games in a team setting working with a client. Participation in a design cycle including specification, design, prototyping, implementation, testing, and documentation. Issues of professionalism, ethics, and communication.

SA: TC 498
Effective Fall 2014 Effective Fall 2015

TC 499  Media and Information Capstone (W)
MI 499
Spring of every year. On Demand. 3(2-2)  P: (TC 331 or TC 341 or TC 300) and Completion of Tier I Writing Requirement  R: Open to juniors or seniors in the Department of Telecommunication, Information Studies and Media.  R: Open to juniors or seniors in the Department of Media and Information. Not open to students with credit in TC 458. Not open to students with credit in MI 458.

Design and development of comprehensive media and information projects in a team setting working with a client. Participation in a design cycle including specification, design, prototyping, implementation, testing, and documentation. Issues of professionalism, ethics, and communication.

SA: TC 499
Effective Fall 2014 Effective Fall 2015

TC 820  Theories of Media and Information
MI 820
Fall of every year. 3(3-0)  R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.

Classic and contemporary theories of communication with special emphasis on applications to telecommunication, extant and emerging media, and technology.

SA: TC 820
Effective Fall 2014 Effective Fall 2015

TC 830  Foundations of Serious Games
MI 830
Spring of every year. 3(3-0)  R: Open to students in the Educational Technology Major or in the Educational Technology Graduate Certificate or in the Serious Game Design and Research Certificate or in the Telecommunication, Information Studies and Media major or approval of department.  R: Open to students in the Serious Game Design and Research Certificate or in the Telecommunication, Information Studies and Media major or in the Educational Technology Graduate Certificate or approval of department.

Rationales, principles, processes, and pedagogies for serious game design. Applications of serious game genres and simulations. Funding and distribution.

SA: TC 830
Effective Fall 2014 Effective Fall 2015

TC 831  Theories of Games and Interaction for Design
MI 831
Theories of Games and Interaction Design
Fall of every year. 3(3-0)  R: Open to students in the Educational Technology Major or in the Educational Technology Graduate Certificate or in the Serious Game Design and Research Certificate or in the Telecommunication, Information Studies and Media major or approval of department.  R: Open to students in the Serious Game Design and Research Certificate or in the Telecommunication, Information Studies and Media major or in the Educational Technology Major or in the Educational Technology Graduate Certificate or approval of department.

Theories of interaction in games and other mediated contexts including communication, learning, health, global and local development, and social justice to inform the design of social systems, games and other interactive media products.

SA: TC 831
Effective Fall 2014 Effective Fall 2015
**PART III – COURSE CHANGES**

**TC 839  Implementing Interactivity**

*Fall of every year. 3(2-2)*  
R: Open to students in the Educational Technology Major or in the Educational Technology Graduate Certificate or in the Serious Game Design and Research Certificate or in the Telecommunication, Information Studies and Media major or approval of department.  
R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.

- SA: TC 839
- Effective Fall 2014 Effective Fall 2015

**TC 841  Understanding Users**

*Fall of every year. 3(3-0)*  
RB: Direct experience with the creative process in interactive media  
R: Open to students in the Educational Technology Graduate Certificate or in the Educational Technology Major or in the Serious Game Design and Research Certificate or in the Telecommunication, Information Studies and Media major or approval of department.  
R: Open to students in the Serious Game Design and Research Certificate or in the Telecommunication, Information Studies and Media major or in the Educational Technology Major or in the Educational Technology Graduate Certificate or approval of department.

- Methods of user-centered media and interaction design. Iterative cycles of user and product conceptualization.
- SA: TC 841
- Effective Fall 2014 Effective Fall 2015

**TC 842  Design and Development of Media Projects**

*Spring of every year. 3(2-2)*  
RB: Strongly recommended to be taken in final or near-final semester of graduate studies, so that majority of graduate degree program coursework has already been completed and can serve as relevant background.  
R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.

- Team projects in Human Computer Interaction and Media and Information Management.
- Proposal development, team building, project management and workflow methods.
- SA: TC 842
- Effective Fall 2014 Effective Fall 2015

**TC 844  Interaction Design**

*Spring of every year. 3(2-2)*  
RB: Basic familiarity with computers and Internet.  
R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.

- Design of user interactions in information and media systems. Prototyping and presentation tools. Example topics include information architecture, task analysis, use cases, wire frames, scenarios.
- SA: TC 844
- Effective Fall 2014 Effective Fall 2015

**TC 845  Human Computer Interaction**

*Spring of every year. 3(3-0)*  
R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.

- Principles and theories of how humans and technical systems interact in traditional media, networked environments, social and mobile computing, virtual environments and information appliances.
- SA: TC 845
- Effective Fall 2014 Effective Fall 2015

**TC 850  Media and Information Policy**

*Spring of every year. 3(3-0)*  
R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.

- Analysis of major public and private media and information policies, including Internet governance. Applying concepts and data from law, political science, economics, communication, technology and general social science.
- SA: TC 840 SA: TC 810, TC 850
- Effective Fall 2014 Effective Fall 2015
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Responsibilities</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>TC 851</td>
<td>Understanding Social Media</td>
<td>Spring of every year. 3(3-0) R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.</td>
<td>Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>MI 851</td>
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<td>Overview of social media applications and services and their effects on individuals, organizations, and society.</td>
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<tr>
<td>TC 852</td>
<td>Economic Structure of Telecommunication Industries</td>
<td>Fall of every year. 3(3-0) R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.</td>
<td>Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>MI 852</td>
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<td>Economic aspects of telecommunication and information industries. Emphasis on market structure, conduct, performance. Content diversity, new technologies, recent regulatory policies, and antitrust.</td>
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<tr>
<td>TC 854</td>
<td>Economics of Media Markets and Strategies</td>
<td>Spring of odd years. 3(3-0) R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.</td>
<td>Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>MI 854</td>
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<td>Conceptual tools and analytical perspectives on economic forces and incentives underlying structure, conduct, and responses to new technologies in media markets.</td>
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<tr>
<td>TC 861</td>
<td>Information Networks and Technologies</td>
<td>Fall of every year. 3(3-0) R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.</td>
<td>Effective Fall 2003 Effective Fall 2015</td>
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<tr>
<td>MI 861</td>
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<td>Fundamental characteristics, components, standards and applications of information networks and services. Local and wide area network technologies, fundamentals of the Internet, and private network technologies and services from a management perspective.</td>
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<tr>
<td>TC 862</td>
<td>Information Networks in Organizations and Commerce</td>
<td>Spring of every year. 3(2-2) R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.</td>
<td>Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>MI 862</td>
<td></td>
<td>Design and management of electronic commerce strategies and the telecommunications infrastructure. Impact of information and communication technology on organizations and markets.</td>
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<tr>
<td>TC 875</td>
<td>Information and Communication Technology for Development</td>
<td>Spring of every year. 3(3-0) R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.</td>
<td>Effective Fall 2014 Effective Fall 2015</td>
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<td>MI 875</td>
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<td>Information and communication technology in developing areas, cases studies, implementation. International and domestic contexts.</td>
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<tr>
<td>TC 877</td>
<td>Comparative and International Telecommunication</td>
<td>Fall of even years. 3(3-0) R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.</td>
<td>Effective Fall 2014 Effective Fall 2015</td>
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<tr>
<td>MI 877</td>
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<td>Comparison of various national approaches to broadcasting, cable, satellite, telephone, mobile communications, and the Internet. Policy, economic, institutional and content issues. Interactions and media flows among countries. International governance bodies.</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits Description</td>
<td>Semester Availability</td>
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| TC 890      | Independent Study                    | Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. | Effective Fall 2015 | Open only to graduate students in the Department of Telecommunication, Information Studies and Media. Approval of department; application required.  
| MI 890      |                                      |                              |                                          | R: Open to graduate students in the Department of Media and Information. Approval of department; application required.  |
| TC 891      | Special Topics in Telecommunication  | Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. | Effective Fall 2015 | Open only to graduate students in the College of Communication Arts and Sciences or approval of department.  
| MI 891      |                                      |                              |                                          | R: Open to graduate students in the College of Communication Arts and Sciences or approval of department.  |
| TC 893      | Telecommunication Internship         | Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. | Effective Fall 2015 | Open to graduate students in the College of Communication Arts and Sciences or approval of department.  
| MI 893      | Media and Information Internship     |                              |                                          | Internships in information industries. Internships in media and information industries.  
| TC 898      | Master's Project                     | Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. | Effective Fall 2015 | Open to masters students in the Department of Media and Information.  
| MI 898      |                                      |                              |                                          | Approval of department; application required.  
| TC 899      | Master's Thesis Research             | Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. | Effective Fall 2015 | Open only to graduate students in the Department of Telecommunication, Information Studies and Media.  
| MI 899      |                                      |                              |                                          | R: Open to graduate students in the Department of Media and Information. Approval of department; application required.  
| TC 960      | Media and Technology                 | Spring of every year. 3(3-0) Interdepartmental with Advertising and Journalism.  | Effective Fall 1992 | Open only to doctoral students in the Communication Arts and Sciences or approval of department.  
| MI 960      |                                      |                              |                                          | R: Open to doctoral students in the Communication Major or approval of department.  
|             |                                      |                              |                                          | R: Open to doctoral students in the Communication Major or approval of department.  

Theoretical frameworks concerning media and communication processes, and their interactions with technology. Social, organizational, critical, and economic perspectives.  
SA: TC 960  
Effective Fall 1992 Effective Fall 2015
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<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Term</th>
<th>Credits</th>
<th>Restriction</th>
<th>Effectiveness</th>
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<tbody>
<tr>
<td>TC 985</td>
<td>Advanced Quantitative Analysis for Media</td>
<td>Spring of every year. 3(3-0) Interdepartmental with Advertising and Journalism. P: ADV 975 RB: Masters-level research course in addition to ADV 975. Multivariate research methods for media and information studies research.</td>
<td>Effective Fall 2011 Effective Fall 2015</td>
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<tr>
<td>MI 985</td>
<td>Spring of every year.</td>
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<td>NUR 835</td>
<td>Health Assessment of the Adult and Aged</td>
<td>Health Assessment Across the Lifespan</td>
<td>Fall of every year. 3(1-6) RB: Successful completion of basic physical/health assessment course. R: Open to graduate students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate. Advanced health assessment skills to provide comprehensive, culturally sensitive care to adults and aging individuals. Interviewing techniques, communication, interpersonal skills and psychomotor skills. Analysis of health status including the role of risk factors and health promotion strategies. Emphasis placed on functional implications. Interpretation of data for the purpose of differentiating typical from atypical presentations and recognizing actual and potential health problems.</td>
<td>Effective Fall 2012 Effective Fall 2015</td>
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<tr>
<td>NUR 860</td>
<td>Physical Assessment for Clinical Nurse Specialist</td>
<td>Spring of every year. 2(1-3) P: NUR 805 R: Open to masters students in the Master of Science in Nursing. Development of advanced health history and physical assessment skills for adult populations for clinical nurse specialist.</td>
<td>Effective Fall 2012 Effective Spring 2016</td>
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<tr>
<td>NUR 945</td>
<td>Doctoral Seminar I</td>
<td>Fall of every year. 1(1-0) R: Open to graduate students in the Nursing major or approval of college. Socialization and immersion into doctoral study and research environment while completing Master's level courses or for other special students.</td>
<td>DELETE COURSE Effective Fall 2015</td>
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<tr>
<td>NUR 946</td>
<td>Doctoral Seminar II</td>
<td>Spring of every year. 1(1-0) R: Open to graduate students in the Nursing major or approval of college. Socialization and immersion into doctoral education and research environment while completing Master's and beginning level courses, building on NUR 945 content.</td>
<td>DELETE COURSE Effective Spring 2016</td>
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SCHOOL OF PACKAGING

PKG 315  Packaging Decision Systems (W)
Fall of every year. Spring of every year. 3(2-2) P: (MTH 132 or MTH 152H or LB 118) and completion of Tier I writing requirement P: (MTH 132 or MTH 152H or LB 118 or MTH 124) and completion of Tier I writing requirement) and (PKG 221 or concurrently) R: Open to sophomores or juniors or seniors in the School of Packaging.
Application of computers to communicate, analyze and solve problems in the management, specification, production, and testing of packaging systems.
SA: PKG 415
Effective Fall 2014 Effective Fall 2015

PKG 322  Packaging with Paper and Paperboard
Fall of every year. Spring of every year. 4(3-2) P: ((PKG 221 or concurrently) and PKG 101) and (MTH 133 or MTH 153H or LB 119) and (CEM 143 or CEM 351 or CEM 351) and (STT 200 or STT 315 or STT 351) P: ((PKG 221 or concurrently) and PKG 101) and (MTH 133 or MTH 153H or LB 119 or MTH 124) and (CEM 143 or CEM 251 or CEM 351) and (STT 200 or STT 201 or STT 315 or STT 351) R: Open to sophomores or juniors or seniors or graduate students in the School of Packaging.
Physical and chemical properties, manufacture, conversion, and use of wood, paper, paperboard, and related components in packaging. Design, use, and evaluation of packages.
SA: PKG 325
Effective Fall 2014 Effective Fall 2015

PKG 323  Packaging with Plastics
Fall of every year. Spring of every year. 4(3-2) P: ((PKG 221 or concurrently) and PKG 101) and (MTH 133 or MTH 153H or LB 119) and (CEM 143 or CEM 351 or CEM 351) and (STT 200 or STT 315 or STT 351) P: ((PKG 221 or concurrently) and PKG 101) and (MTH 133 or MTH 153H or LB 119 or MTH 124) and (CEM 143 or CEM 251 or CEM 351) and (STT 200 or STT 201 or STT 315 or STT 351) R: Open to sophomores or juniors or seniors or graduate students in the School of Packaging.
Physical and chemical properties of plastics and their relationship to selection, design, manufacture, performance, and evaluation of packages.
SA: PKG 320
Effective Fall 2014 Effective Fall 2015

DEPARTMENT OF PATHOBIOLOGY AND DIAGNOSTIC INVESTIGATION

PDI 553  Systemic Pathology
Fall of every year. Spring of every year. 4(3-2) RB: Completion of Year 1 in the graduate professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.
Anatomic pathology of digestive, urinary, respiratory, integumentary, cardiovascular, nervous, reproductive, musculoskeletal, endocrine, and lymphatic systems.
SA: PTH 553
Effective Fall 2013 Effective Spring 2015

DEPARTMENT OF POLITICAL SCIENCE

PLS 323  Religion and Politics Religion and World Politics
Fall of every year. 4(4-0) 3(3-0)
Comparative analysis of the role of religion in politics across world regions. Discussion of major theories and topics in relation to religion-state relations.
Effective Fall 2014 Effective Fall 2015
DEPARTMENT OF PLANT, SOIL AND MICROBIAL SCIENCES

CSS 124  Introduction to Sustainable Agriculture and Food Systems
Fall of every year. Spring of every year. 1(0-2) 2(2-0) Interdepartmental with Animal Science and Environmental Studies and Applications and Horticulture Interdepartmental with Animal Science and Community Sustainability and Horticulture R: Open to undergraduate students or agricultural technology students.
Impact of agricultural and social sciences on our food system. Contemporary research and movements involving agricultural and food system sustainability. Socio-cultural factors influencing food and agriculture.
Effective Summer 2014 Effective Fall 2015

CSS 424  Sustainable Agriculture and Food Systems: Integration and Synthesis
Fall of every year. 3(3-0) Interdepartmental with Animal Science and Environmental Studies and Applications and Horticulture Interdepartmental with Animal Science and Community Sustainability and Horticulture P: CSS 124 P: CSS 124 and (CSS 224 or concurrently) RB: (CSS 101 or CSS 360 or CSS 431 or ENT 479 or HRT 203 or HRT 251 or HRT 341 or EEP 255 or EEP 260 or ESA 343) or (ESA 444 or GEO 410) R: Open to juniors or seniors or graduate students.
Effective Summer 2014 Effective Fall 2015

DEPARTMENT OF PSYCHOLOGY

PSY 815  Quantitative Research Design and Analysis in Psychology
Fall of every year. 3(3-0) 3(2-2) R: Open only to graduate students in the Department of Psychology. Design and analysis of psychological research. Applied descriptive and inferential statistical procedures. Emphasis on discerning and confirming structural relationships among psychological variables. Analysis of variance, regression, and related methods. Experimental and non-experimental research designs. Analysis of variance and multiple regression.
Effective Summer 2006 Effective Fall 2015

DEPARTMENT OF RELIGIOUS STUDIES

REL 101  Exploring Religion
Fall of every year. Spring of every year. 3(3-0) R: Not open to seniors.
PCR Religion and religions as historical phenomena. Non-textual and textual religions. Theories of the origins and functions of religion. Exemplary voices from various traditions examined in their historical and doctrinal settings.
Effective Fall 2011 Effective Spring 2015

REL 150  Introduction to Biblical Literature
Fall of every year. 3(3-0) R: Not open to seniors.
PCR A critical survey of biblical texts, including the Hebrew Bible, the New Testament, and writings found in the Apocrypha/Deuterocanon, that combines historical and literary analysis with attention to the ancient religious context of this literature.
Effective Fall 2012 Effective Spring 2015

REL 175  Religion in Film
Fall of every year. 3(3-0) R: Not open to seniors.
PCR Film representation of religions and spiritual traditions through their representations in film.
Effective Spring 2013 Effective Spring 2015
PART III – COURSE CHANGES

REL 205  Myth, Self, and Religion
Fall of every year. Spring of every year. 3(3-0)
PCR  The mythic quest for meaning, identity, value, and transcendence as seen through religious biography and literary narrative. Myth in relation to religious symbols and life-cycle rituals. Cross-cultural perspective on religious world views and the interpretation of myth as sacred narrative. 
Effective Fall 1995  Effective Spring 2015

REL 215  The Sound Of World Religions: Music, Chant, and Dance
Fall of even years. 3(3-0)
PCR  Introduction to the lived experience of world religions through investigation of their sacred songs. 
Effective Fall 2014  Effective Spring 2015

REL 220  Religion in America
Fall of every year. 3(3-0)
PCR  History, themes and issues of religions in America from precolonial times to the present. 
Effective Fall 2000  Effective Spring 2015

REL 221  Islam in North America
Spring of odd years. 3(3-0) RB: REL 101 R: Not open to freshmen. 
PCR  History, major themes and issues in history of Islam in North America from colonial times to the present. 
Effective Spring 2011  Effective Spring 2015

REL 230  Shamanism, Trance and Sacred Journeys
Fall of every year. 3(3-0)
PCR  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. 
Effective Fall 1998  Effective Spring 2015

REL 240  Music and Spirituality in North America
Spring of every year. 3(3-0)
PCR  Historical and thematic survey of the interplay of religion and music in North America. 
Effective Spring 2013  Effective Spring 2015

REL 260  Philosophy of Religion
Fall of every year. 3(3-0) Interdepartmental with Philosophy. PB: REL 101 or PHL 200 PB: REL 101
PCR  Key concepts, themes, and questions in the philosophy of religion. 
Effective Fall 2010  Effective Spring 2015

REL 275  Magic and Mysticism: Western Esoteric Traditions and Practices
Fall of every year. 3(3-0)
PCR  Surveys the history of Western esoteric traditions in Europe, England and North America including alchemy, magic, Jewish and Christian mysticisms, and secret or semisecret groups like Freemasonry. Transdisciplinary investigation of religion, science, literature, art and history. 
Effective Fall 1999  Effective Spring 2015

REL 290  Independent Study
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department. 
PCR  Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings. 
Effective Fall 1998  Effective Spring 2015

REL 301  Methods and Theories in the Study of Religion
Spring of every year. 3(3-0)
PCR  Introduction to prominent methods and theories through which religions and religious phenomena can be understood. 
Effective Spring 2010  Effective Spring 2015
REL 306  Native American Religions
Spring of every year. 3(3-0)  R: Not open to freshmen  R: Not open to freshmen.
PCR  Indigenous forms of spirituality among the Native American peoples. Materials from myth, ritual, ceremonial life, and art as ways of obtaining and sharing religious knowledge. Pervasive spiritual and cosmological themes.
Effective Fall 1998  Effective Spring 2015

REL 310  Judaism
Fall of every year. 3(3-0) R: Not open to freshmen.
Effective Summer 2010  Effective Spring 2015

REL 320  Christianity
Spring of even years. 3(3-0) R: Not open to freshmen.
Effective Spring 2010  Effective Spring 2015

REL 325  East Asian Buddhism
Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement RB: REL 101
PCR  Buddhist traditions of East Asia, including China, Tibet, Korea, and Japan, as well as Mahayana and Vajrayana.
Effective Fall 2011  Effective Spring 2015

REL 330  Islam
Spring of every year. 3(3-0) R: Not open to freshmen.
Effective Summer 2010  Effective Spring 2015

REL 331  Islam and Gender
Spring of even years. 3(3-0) R: Not open to freshmen.
PCR  Relationship between Islam and gender as presented in sacred texts. Traditional and diverse modern interpretations and responses of Muslims.
Effective Summer 2010  Effective Spring 2015

REL 335  East Asian Religions
Spring of every year. 3(3-0) RB: REL 101 R: Not open to freshmen.
PCR  Religious traditions of East Asia, including China, Korea, and Japan.
Effective Spring 2011  Effective Spring 2015

REL 340  Hinduism
Fall of every year. 3(3-0) P: Completion of Tier I Writing Requirement R: Not open to freshmen.
PCR  Historical, philosophical and doctrinal development. Vedic Sacrifice, Upanishads, Samkhya-Yoga and Vedanta, Vaishnavism, Shaivism, Shaktism, and modern Hinduism.
Effective Fall 2007  Effective Spring 2015

REL 345  Religions of South Asia
Spring of odd years. 3(3-0) P: Completion of Tier I Writing Requirement R: Not open to freshmen.
PCR  Historical, philosophical, and doctrinal development of Hinduism, Jainism, Buddhism, North Indian Islam, and Sikhism.
Effective Fall 2003  Effective Spring 2015
REL 350  Buddhism in South Asia
Spring of every year. 3(3-0) R: Not open to freshmen.
  Effective Fall 1998  Effective Spring 2015

REL 355  Southeast Asian Religions
Fall of every year. 3(3-0) R: Not open to freshmen.
PCR Southeast Asia as a religious and cultural crossroads. The historic mix of Hinduism, Buddhism, Islam, Christianity, and Chinese religions. Diversity of indigenous animistic religions. Past and present relations between religions and the state.
  Effective Fall 1998  Effective Spring 2015

REL 360  African Religion
Spring of odd years. 3(3-0) R: Not open to freshmen.
PCR Variant forms of the religions of Africa. Indigenous African religions examined through their mythology, rituals, symbols, and social consequences. Islam and Christianity. Interaction between religion and politics.
  Effective Summer 2010  Effective Spring 2015

REL 365  Evangelicalism in the U.S.
Fall of every year. 3(3-0)
PCR History, culture, beliefs, and practices of American evangelicalism.
  Effective Fall 2009  Effective Spring 2015

REL 375  Religion and U.S. Literature
Spring of odd years. 3(3-0) R: Not open to freshmen.
PCR Religion in works of American literature seen in historical context.
  Effective Fall 2014  Effective Spring 2015

REL 380  New Religions
Fall of odd years. 3(3-0) RB: REL 220 or REL 275 R: Not open to freshmen.
PCR New religious movements, groups and individuals seen historically. Major controversies.
  Effective Summer 2010  Effective Spring 2015

REL 420  Birth of Christianity  (W)
Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement R: Not open to freshmen or sophomores.
PCR The historical setting and types and meaning of the text of the New Testament explored through various techniques of historical, literary, and textual analysis.
  Effective Fall 2009  Effective Spring 2015

REL 430  The Qur’an and Its Interpreters  (W)
Spring of odd years. 3(3-0) P: Completion of Tier I Writing Requirement R: Open to students.
PCR The historical setting, types and topics of the Quranic text, and an overview of the history of its interpretation.
  Effective Spring 2013  Effective Spring 2015

REL 432  Modern Muslim Thought  (W)
Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement RB: REL  330 R: Not open to freshmen.
PCR Representative Muslim thinkers and intellectual trends from the 19th century to the present. Focus on issues such as social order, the role of Islamic law, pluralism and gender.
  Effective Fall 2011  Effective Spring 2015

REL 435  Muhammad and Early Muslim Community  (W)
Fall of even years. 3(3-0) P: Completion of Tier I Writing Requirement RB: REL 330 R: Not open to freshmen.
PCR Historical-critical approach to Muhammads’ life and the history of the early Muslim community. Significance of this life-story for Muslims past and present.
  Effective Fall 2011  Effective Spring 2015
REL 451  Modern Hindu Thought (W)
Fall of every year. 3(3-0) P: Completion of Tier I Writing Requirement RB: Other 300-level courses in Asian religions.

PCR  Historical, philosophical and doctrinal development of Hinduism after the 1850's. Encounter with the west and Christianity. Reform movements. Religious thinkers and their ideas.

Effective Fall 2010 Effective Spring 2015

REL 471  The Ritual Process (W)
Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement R: Not open to freshmen or sophomores.

PCR  Definitions of ritual. Aspects of ritual, such as repetitiveness and drama. Generic forms of ritual including passage rites, renewal rites, liminality, sacrifice, taboo, and divination. Experience of ritual and its power to inform and transform the participant.

Effective Fall 2009 Effective Spring 2015

REL 480  Comparative Studies in Religion (W)
Fall of every year. Spring of every year. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement R: Not open to freshmen or sophomores.

PCR  Multidisciplinary approaches to topics such as patterns in comparative religion, comparative mysticism, or comparative mythology.

Effective Fall 2009 Effective Spring 2015

REL 490  Independent Study (W)
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement R: Approval of department.

PCR  Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

Effective Fall 2009 Effective Spring 2015

REL 491  Special Topics in Religious Studies (W)
Fall of every year. Spring of every year. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement R: Not open to freshmen or sophomores.

PCR  Special topics supplementing regular course offerings, proposed by faculty on a group study basis.

Effective Fall 2012 Effective Spring 2015

REL 493  Religious Studies Internship
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Not open to freshmen. Approval of department; application required.

PCR  Supervised pre-professional experience related to religious studies.

Effective Fall 2009 Effective Spring 2015

REL 499  Senior Thesis or Project (W)
Fall of every year. Spring of every year. 1 to 4 credits. P: Completion of Tier I Writing Requirement R: Approval of department.

PCR  Individual research project supervised by a faculty member that demonstrates the student's ability to do independent research.

Effective Fall 2009 Effective Spring 2015

DEPARTMENT OF ROMANCE AND CLASSICAL STUDIES

GRK 101  Elementary Classical Greek I
Fall of every years. 4(4-0)

PCR  Fundamentals of orthography, pronunciation, vocabulary, grammar, and syntax. Translation of elementary readings.

Effective Fall 2013 Effective Spring 2015
GRK 102  Elementary Classical Greek II  
Spring of odd years. 4(4-0) P: GRK 101  
PCR  
Fundamentals of vocabulary, grammar, and syntax. Translation of elementary readings.  
Effective Fall 2012 Effective Spring 2015  

GRK 203  Second-Year Modern Greek I  
Fall of odd years. 4(4-0) P: GRK 104 or approval of department  
R: Approval of department.  
PCR  
Intermediate- level review and development of aural comprehension, speaking, reading,  
and writing skills.  
Effective Fall 2012 Effective Spring 2015  

GRK 204  Second-Year Modern Greek II  
Spring of even years. 4(4-0) P: GRK 203 or approval of department  
PCR  
Further review and development of aural comprehension, speaking, reading and writing  
skills.  
Effective Fall 2012 Effective Spring 2015  

GRK 290  Independent Study  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 9 credits  
in all enrollments for this course. R: Approval of department.  
PCR  
Special projects arranged by an individual student and a faculty member in areas  
supplementing regular course offerings.  
Effective Fall 2012 Effective Spring 2015  

GRK 302  Homer and Greek Epic Poetry (W)  
Fall of even years. 3(3-0) P: (GRK 102) and completion of Tier I writing requirement  
R: Approval of department.  
PCR  
Works of Homer in the original Greek.  
Effective Fall 2012 Effective Spring 2015  

GRK 411  Senior Seminar: Herodotus and Greek Historiography (W)  
Fall of odd years. 3(3-0) P: (GRK 321 or GRK 304) and completion of Tier I writing requirement  
P: Completion of Tier I Writing Requirement R: Not open to freshmen or sophomores.  
PCR  
Advanced study of Herodotus's "History" in the original Greek, with additional readings in  
translation.  
Effective Fall 2012 Effective Spring 2015  

GRK 421  Senior Seminar: Sophocles (W)  
Spring of odd years. 3(3-0) P: (GRK 304 or GRK 321) and completion of Tier I writing requirement  
P: Completion of Tier I Writing Requirement R: Not open to freshmen or sophomores.  
PCR  
Intense study of two tragedies of Sophocles.  
Effective Fall 2012 Effective Spring 2015  

GRK 490  Independent Study  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 9 credits  
in all enrollments for this course. R: Not open to sophomores or freshmen. Approval of department.  
PCR  
Special projects arranged by an individual student and a faculty member in areas  
supplementing regular course offerings.  
Effective Fall 2012 Effective Spring 2015  

GRK 499  Senior Thesis  
Fall of every year. Spring of every year. 1 credit. P: GRK 302 or GRK 321 P: GRK 302 R: Open to  
seniors.  
C: GRK 408 concurrently or GRK 406 concurrently or GRK 411 concurrently or GRK  
421 concurrently. C: GRK 411 concurrently or GRK 421 concurrently.  
PCR  
Senior thesis capstone under the direction of a faculty member.  
Effective Fall 2012 Effective Spring 2015  

ITL 101  Elementary Italian I  
Fall of every year. Spring of every year. 4(4-1) RB: No previous experience in Italian or approval of  
department. R: Not open to seniors.  
PCR  
Practice in using and understanding Italian to develop listening, speaking, reading, and  
writing skills. Pronunciation, grammar, vocabulary, and cultural topics.  
Effective Summer 2014 Effective Spring 2015
ITL 102  Elementary Italian II
Fall of every year. Spring of every year. 4(4-1) P: ITL 101
PCR Further practice in using and understanding Italian to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.

Effective Fall 2012 Effective Spring 2015

ITL 201  Second-Year Italian I
Fall of every year. 4(4-0) P: ITL 102
PCR Intermediate-level review and development of aural comprehension, speaking, reading, and writing skills. Topics in Italian culture.

Effective Fall 2012 Effective Spring 2015

ITL 202  Second-Year Italian II
Spring of every year. 4(4-0) P: ITL 201
PCR Further review and development of aural comprehension, speaking, reading, and writing skills. Topics in Italian culture.

Effective Fall 2012 Effective Spring 2015

ITL 290  Independent Study
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department.
PCR Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

Effective Fall 2012 Effective Spring 2015

ITL 320  Advanced Grammar and Composition
Fall of every year. 3(3-0) P: ITL 202
PCR Composition in a variety of styles and modes. Review of grammar. Extensive practice in writing.

Effective Fall 2012 Effective Spring 2015

ITL 330  Italian Culture and Civilization
Spring of every year. Summer of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: ITL 202
PCR Diverse aspects of political, social, economic, intellectual, artistic, and literary life of Italy. Class discussion in Italian of readings, films, television programs, and musical selections.

Effective Fall 2012 Effective Spring 2015

ITL 350  Introduction to Italian Literature
Fall of every year. 3(3-0) P: ITL 330
PCR Italian literature from its origins to the present. Reading and discussion in Italian of representative works from all genres.

Effective Fall 2012 Effective Spring 2015

ITL 355  Italian Literature in English Translation
Spring of even years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen. Approval of department.
PCR Representative works and themes of Italian literature.

Effective Fall 2012 Effective Spring 2015

ITL 360  Topics in the Italian Language and Culture
Fall of even years. Summer of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: ITL 330
PCR Aspects of Italian culture or language as manifested in art, literature, music, and film.

Effective Fall 2012 Effective Spring 2015

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

Effective Fall 2012 Effective Spring 2015
ITL 490 Independent Study
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to sophomores or freshmen. Approval of department.

PCR Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
Effective Fall 2012 Effective Spring 2015

SPN 101 Elementary Spanish I
Fall of every year. Spring of every year. Summer of every year. 4(4-1) RB: Not open to students with prior study of the language. Not open to students with credit in SPN 150.

PCR Introduction to the practice of using and understanding Spanish to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.
Effective Summer 2013 Effective Spring 2015

SPN 102 Elementary Spanish II
Fall of every year. Spring of every year. Summer of every year. 4(4-1) P: (SPN 101) or designated score on Spanish Placement test. Not open to students with credit in SPN 150.

PCR Further practice in using and understanding Spanish to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.
Effective Summer 2013 Effective Spring 2015

SPN 150 Review of Elementary Spanish
Fall of every year. Spring of every year. 5(5-1) RB: Two years of high school Spanish or equivalent. Not open to students with credit in SPN 101 or SPN 102.

PCR Review of elementary-level Spanish for students who have some previous study of Spanish and who need to strengthen communication skills and knowledge of Spanish language and culture.
Effective Fall 2012 Effective Spring 2015

SPN 175 Spanish for Heritage Speakers I
Fall of every year. Summer of every year. 3(3-0) RB: Exposure to Spanish at home or in the community equivalent of less than two years of high school Spanish. R: Approval of department.

PCR Development of listening, speaking, reading, and writing skills in Spanish for students with Spanish language background but little or no formal exposure.
Effective Fall 2012 Effective Spring 2015

SPN 201 Second Year Spanish I
Fall of every year. Spring of every year. Summer of every year. 4(4-0) P: (SPN 102 or SPN 150) or designated score on Spanish Placement test.

PCR Intermediate-level review and development of listening, speaking, reading, and writing skills. Topics in the cultures of the Spanish-speaking world.
Effective Fall 2014 Effective Spring 2015

SPN 202 Second-Year Spanish II
Fall of every year. Spring of every year. Summer of every year. 4(4-0) P: (SPN 201) or designated score on Spanish Placement test.

PCR Further review and development of listening, speaking, reading, and writing skills. Topics in the cultures of the Spanish-speaking world.
Effective Fall 2013 Effective Spring 2015

SPN 250 Review of Intermediate Spanish
Fall of every year. Spring of every year. 6(5-2) P: (SPN 150 or SPN 102) or designated score on Spanish Placement test. RB: minimum 3.0/4.0 in SPN 150 or SPN 102 or designated score on placement test. Not open to students with credit in SPN 201 or SPN 202.

PCR Intermediate-level Spanish. Development of listening, speaking, reading, and writing skills. Topics in the cultures of the Spanish-speaking world. Communication skills and cross-cultural understanding.
Effective Fall 2013 Effective Spring 2015
PART III – COURSE CHANGES

SPN 275  Spanish for Heritage Speakers II  
Spring of every year. 3(3-0) RB: Exposure to Spanish at home or in the community equivalent of two to four years of high school Spanish. R: Approval of department.  
PCR  Further development of listening, speaking, reading, and writing skills in Spanish for students with Spanish language background and little formal exposure.  
**Effective Fall 2013**  **Effective Spring 2015**

SPN 290  Independent Study  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department.  
PCR  Special projects at the intermediate level arranged by an individual student and supervised by a faculty member in areas supplementing, but not replacing, regular course offerings.  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 310  Basic Spanish Grammar  
Fall of every year. Spring of every year. 3(3-0) P: (SPN 202 or SPN 250) or Designated score on Spanish Placement test  
PCR  Instruction and practice in the basic structural patterns of Spanish.  
**Effective Summer 2013**  **Effective Spring 2015**

SPN 320  Cultural Readings and Composition (W)  
Fall of every year. Spring of every year. 3(3-0) P: (SPN 310) and completion of Tier I writing requirement  
PCR  Readings from texts that discuss or embody Hispanic culture, and writing based on those readings.  
**Effective Fall 2013**  **Effective Spring 2015**

SPN 330  Phonetics and Pronunciation  
Fall of every year. Spring of every year. 3(3-0) P: (SPN 202 or SPN 250) or designated score on Spanish Placement test  
PCR  Phonetic description of the sound system of Spanish, developed linguistically and applied to the improvement of pronunciation and spoken Spanish.  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 342  Media and Conversation  
Fall of every year. Spring of every year. 3(3-0) C: SPN 330 concurrently.  
PCR  Discussion in Spanish via journalistic and entertainment media and exposure.  
SA: SPN 340  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 350  Introduction to Reading Hispanic Literature (W)  
Fall of every year. Spring of every year. 3(3-0) P: (SPN 320) and completion of Tier I writing requirement  
PCR  Close reading of poetry, drama, and prose.  
**Effective Fall 2013**  **Effective Spring 2015**

SPN 412  Topics in Hispanic Culture  
Fall of even years. 3(3-0) P: SPN 320  
PCR  Analysis of diverse forms of cultural expression in the Spanish-speaking world.  
SA: SPN 410  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 420  Spain and its Literature  
Fall of every year. Spring of every year. 3(3-0) P: SPN 350  
PCR  Survey of literature written in Spain from the Middle Ages to the present.  
**Effective Fall 2013**  **Effective Spring 2015**

SPN 432  Latin America and its Literature  
Fall of every year. Spring of every year. 3(3-0) P: SPN 350  
PCR  Survey of literature written in Spanish-speaking Latin America from the Colonial Period to the present.  
**Effective Fall 2013**  **Effective Spring 2015**
SPN 440  The Structure of Spanish  
Fall of every year. Spring of every year. 3(3-0) P: SPN 330 and (LIN 200 or LIN 401 or ENG 302)  
PCR  
Overview of linguistic approaches to understanding the Spanish language.  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 452  Topics in Spanish Language I  
Fall of every year. Spring of every year. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P: SPN 320 and SPN 330 and SPN 342  
PCR  
Improvement of language skills through applied practice.  
SA: SPN 450  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 462  Topics in Spanish Literature  
Fall of every year. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P: SPN 330  
PCR  
Thematic topics in Spanish literature.  
SA: SPN 460  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 472  Topics in the Literatures of the Americas  
Spring of every year. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P: SPN 320  
PCR  
Thematic topics in the literature of the Spanish-speaking Americas.  
SA: SPN 470  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 482  Topics in Spanish Linguistics  
Fall of odd years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P: SPN 440  
PCR  
Advanced study of the structure and usage of Spanish.  
SA: SPN 480  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 490  Independent Study  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department.  
PCR  
Special project at the advanced level arranged by an individual student and supervised by a faculty member in an area supplementing, but not replacing, regular course offerings.  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 491  Special Topics in Spanish  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department.  
PCR  
Special topics supplementing regular course offerings, proposed by faculty on a group study basis.  
**Effective Fall 2012**  **Effective Spring 2015**

SPN 492  Senior Writing Project  
Fall of every year. Spring of every year. Summer of every year. 1(1-0) R: Open to seniors in the Spanish major.  
PCR  
Research and preparation of a paper on an interdisciplinary subject that synthesizes at least three areas of a major's undergraduate education. Students work under the supervision of a faculty member.  
**Effective Fall 2012**  **Effective Spring 2015**

DEPARTMENT OF STATISTICS AND PROBABILITY

STT 874  Introduction to Bayesian Analysis  
Fall of odd years. Fall of even years. 3(3-0) P: STT 868 and STT 872 R: Open to doctoral students in the Statistics major or approval of department.  
Bayesian methods including empirical Bayes, hierarchical Bayes and nonparametric Bayes, computational methods for Bayesian inference including the Gibbs Sampler and Metropolis-Hastings method, and applications.  
**Effective Fall 2013**  **Effective Fall 2015**
DEPARTMENT OF TELECOMMUNICATION, INFORMATION STUDIES AND MEDIA

TC 233  Documentary Technologies and Problems of Reality-Based Arts
Fall of every year. 3(2-2) Interdepartmental with English and Writing, Rhetoric and American Cultures. R: Open to students in the Department of English or in the Department of Telecommunication, Information Studies and Media or in the Department of Writing, Rhetoric and American Cultures or in the Documentary Studies Specialization. Introduction to theoretical, historical, and methodological issues concerning documentary expression and reality-based art forms in a range of media.
DELETE COURSE
Effective Summer 2015

DEPARTMENT OF WRITING, RHETORIC AND AMERICAN CULTURES

WRA 853  Development of the Essay
Workshop in Rhetoric and Writing
Fall of every year. Spring of every year. 3(3-0) R: Open to graduate students in the College of Arts and Letters or in the College of Communication Arts and Sciences or in the College of Education. R: Open to graduate students in the Department of Writing, Rhetoric and American Cultures. Survey, analysis, and writing of various forms of the essay. Directed practice in various forms of academic and professional writing necessary to scholars and teachers in the discipline of rhetoric and writing.
SA: AL 853
Effective Summer 2014 Effective Fall 2015

WRA 872  Methods of Research into Language Learning and Literacy
Methods of Research in Rhetoric and Writing
Fall of every year. Spring of every year. Summer of every year. 3(3-0) 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to graduate students in the College of Arts and Letters or in the College of Education or approval of college. R: Open to graduate students in the Department of Writing, Rhetoric and American Cultures. Concepts and procedures for designing, evaluating, and conducting applied research in English education. Specific methods modules. Practices, concepts and procedures for designing, evaluating, and conducting research in rhetoric and writing using specifically designated methods.
SA: ENG 872, AL 872 SA: AL 872, ENG 872
Effective Summer 2014 Effective Summer 2015