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 award type of the Specialization in Conservation and Environmental Law Enforcement to Minor in Conservation and Environmental Law Enforcement in the Department of Fisheries and Wildlife.

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 Conservation and Environmental Law Enforcement Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

2. Change the name of the Minor in Conservation and Environmental Law Enforcement to the Minor in Conservation, Recreation and Environmental Enforcement in the Department of Fisheries and Wildlife.

Students admitted to the minor prior to Fall 2015 will graduate with a Specialization in Conservation and Environmental Law Enforcement.

Students admitted to the minor Fall 2015 and forward will graduate with a Minor in Conservation, Recreation and Environmental Enforcement.

3. Change the requirements for the Minor in Conservation, Recreation and Environmental Enforcement in the Department of Fisheries and Wildlife.

a. Under the heading Minor in Conservation, Recreation and Environmental Enforcement replace the entire entry with the following:

The student must complete 19 to 21 credits from the following:

<table>
<thead>
<tr>
<th>CREDITS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Both of the following courses (4 credits):</td>
<td></td>
</tr>
<tr>
<td>CJ 110 Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CSUS 278 Introduction to Conservation, Recreation and Environmental Enforcement</td>
<td>1</td>
</tr>
<tr>
<td>Natural Resources Conservation and Management</td>
<td></td>
</tr>
<tr>
<td>1. One of the following courses (3 credits):</td>
<td></td>
</tr>
<tr>
<td>CSUS 200 Introduction to Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>CSUS 276 Sustaining our National Parks and Recreation Lands</td>
<td>3</td>
</tr>
<tr>
<td>FOR 202 Introduction to Forestry</td>
<td>3</td>
</tr>
<tr>
<td>FW 101 Fundamentals of Fisheries and Wildlife</td>
<td>3</td>
</tr>
<tr>
<td>2. One of the following courses (3 or 4 credits):</td>
<td></td>
</tr>
<tr>
<td>CSUS 320 Environmental Planning and Management</td>
<td>3</td>
</tr>
<tr>
<td>CSUS 476 Natural Resource Recreation Management</td>
<td>4</td>
</tr>
<tr>
<td>FW 444 Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>FW 481 Global Issues in Fisheries and Wildlife</td>
<td>3</td>
</tr>
</tbody>
</table>
Environmental Attitudes, Policy and Law
1. One of the following courses (3 or 4 credits):
   - CSUS 310 History of Environmental Thought and Sustainability 3
   - CSUS 464 Environmental and Natural Resource Policy in Michigan 3
   - CSUS 465 Environmental and Natural Resource Law 3
   - FOR 330 Human Dimensions of Forests 3
   - FOR 466 Natural Resource Policy 3
   - FW 434 Human Dimensions of Fisheries and Wildlife Management (W) 3
   - FW 445 Biodiversity Conservation Policy and Practice 3
   - MC 450 International Environmental Law and Policy 3
   - SOC 452 Environment and Society 3
   - ZOL 446 Environmental Issues and Public Policy 3

Law Enforcement
1. Two of the following courses (6 credits):
   - CJ 210 Introduction to Forensic Science 3
   - CJ 220 Criminology 3
   - CJ 235 Investigation Procedures 3
   - CJ 275 Criminal Procedure 3
   - CJ 335 Policing 3
   - CJ 432 Community Policing 3

Effective Fall 2015.

4. Change the award type of the Specialization in Marine Ecosystem Management to Minor in Marine Ecosystem Management in the Department of Fisheries and Wildlife.

   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 Marine Ecosystem Management Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

5. Change the requirements for the Minor in Marine Ecosystem Management in the Department of Fisheries and Wildlife.

   a. Under the heading Minor in Marine Ecosystem Management make the following changes:
      (1) Under the heading Marine Ecosystem Management change ‘GLG 303’ to ‘ZOL 303’.
      (2) Under the heading Biodiversity delete the following courses:
          - FW 462 Ecology and Management of Invertebrates 4
          - PLB 423 Wetland Plants and Algae 4
      (3) Under the heading Experiential Learning in Marine Ecosystem Management delete the following course:
          - ZOL 453 Field Studies in Marine and Estuarine Biology 2 or 3
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

(4) Under the heading Experiential Learning in Marine Ecosystem Management change the credits of ‘ZOL 496’ and ‘ZOL 498’ to ‘4’.

Effective Fall 2015.

COLLEGE OF ARTS AND LETTERS

1. Change the award type of the Specialization in Digital Humanities to Minor in Digital Humanities in the College of Arts and Letters.

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 Digital Humanities 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 Digital Humanities in the College of Arts and Letters.

a. Under the heading Minor in Digital Humanities replace the entire entry with the following:

The student must complete a minimum of 15 credits from the following:

<table>
<thead>
<tr>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. The following core courses (6 credits):</td>
</tr>
<tr>
<td>AL 285 Introduction to Digital Humanities</td>
</tr>
<tr>
<td>AL 340 Digital Humanities Seminar</td>
</tr>
<tr>
<td>These core courses may not count toward the fulfillment of any other requirement.</td>
</tr>
<tr>
<td>2. Complete a minimum of 6 credits in digital humanities courses selected from the College of Arts and Letters or College of Social Science offerings approved in advance by the Digital Humanities undergraduate advisor.</td>
</tr>
<tr>
<td>3. A capstone course or experiential activity (3 credits):</td>
</tr>
<tr>
<td>AL 491 Special Topics</td>
</tr>
<tr>
<td>AL 493D Digital Humanities Internship</td>
</tr>
<tr>
<td>An internship or portfolio seminar for the major with a significant digital component or documented configuration of experiential activities such as volunteering, participating in workshops, attending seminars may be used to fulfill this requirement if approved in advance by the Digital Humanities undergraduate advisor.</td>
</tr>
</tbody>
</table>

Effective Fall 2015.
3. Change the award type of the **Specialization in Jewish Studies** to **Minor in Jewish Studies** in the College of Arts and Letters.

*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 Jewish 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 Jewish Studies** in the College of Arts and Letters.

a. Under the heading **Minor in Jewish Studies** replace the entire entry with the following:

   The student must complete a minimum of 20 credits from the following. Eight or more credits may be in Hebrew 201 and 202 or higher. Students enrolled in study abroad Israeli institutions may use appropriate courses towards the minor if approved in advance by the Jewish Studies advisor.

   **C R E D I T S**

   **English**
   ENG 356 Readings in Jewish Literature 3

   **Hebrew**
   HEB 201 Second–Year Hebrew I 4
   HEB 202 Second–Year Hebrew II 4
   HEB 290 Independent Study 1 to 8
   HEB 490 Independent Study 1 to 8

   **History**
   HST 201 Historical Methods and Skills 3
   HST 317 American Jewish History 3
   HST 392 History of the Holocaust 3
   HST 490 Independent Study 1 to 4
   HST 499H Senior Honors Thesis 3

   To be counted toward the requirements for the minor, the content of HST 201, 490, and 499H must have sufficient Jewish studies content and be approved by the Jewish Studies advisor.

   **Integrative Studies in Arts and Humanities**
   IAH 211C Area Studies and Multicultural Civilizations: The Americas (D) 4
   IAH 211D Area Studies and Multicultural Civilizations: The Middle East (D) 4
   IAH 221A Great Ages: The Ancient World (I) 4
   IAH 241F Creative Arts and Humanities: Traditions in World Art (I) 4

   **Integrative Studies in the Social Sciences**
   ISS 315 Global Diversity and Interdependence (I) 4
   ISS 330B Asia: Social Science Perspectives (I) 4

   To be counted toward the requirements for the minor, the content of these courses must have sufficient Jewish studies content and be approved by the Jewish Studies advisor. The courses may be used to satisfy the requirements for the minor and University requirements.

   **James Madison College**
   MC 220 International Relations I: World Politics and International Security 4
   MC 281 Immigrants and Minorities 4
   MC 290 Special Topics 4
   MC 324A Regional Politics, Cooperation, and Conflict in the Middle East 4
   MC 325 State and Society in Comparative Perspective 4
   MC 335 Israeli Politics, Cultures and Society 4
### PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

**MC 387 Jews and Anti–Semitism**  
**MC 390 Advanced Topics in Public Affairs**  
**MC 391 Selected Topics in Public Affairs**  
**MC 395 Cultural Dimensions of Public Affairs**  
**MC 399 Advanced Independent Study**  
**MC 490H Honors Independent Study**  
**MC 492 Senior Seminar in International Relations (W)**  
**MC 498 Senior Seminar in Social Relations (W)**

To be counted toward the requirements for the minor, the content of MC 220, 281, 290, 324A, 325, 390, 391, 395, 399, 490H, 492, and 498 must have sufficient Jewish studies content and be approved by the Jewish Studies advisor.

#### Jewish Studies

**JS 390 Special Topics in Jewish Studies**  
**JS 399 Independent Study (W)**  
**JS 400 Study Abroad in Jewish Studies (W)**  
**JS 490H Honors Independent Study (W)**  
**JS 495 Seminar in Jewish Studies (W)**

**Political Science**

**PLS 323 Religion and Politics**

To be counted toward the requirements for the minor, the content of PLS 323 must have sufficient Jewish studies content and be approved by the Jewish Studies advisor.

#### Religious Studies

**REL 301 Methods and Theories in the Study of Religion**  
**REL 310 Judaism**  
**REL 412 Jewish Mysticism**  
**REL 413 Jewish Philosophy**

To be counted toward the requirements for the minor, the content of REL 301 must have sufficient Jewish studies content and be approved by the Jewish Studies advisor.

#### Residential College of Arts and Humanities

**RCAH 391 Independent Study**  
**RCAH 395 Special Topics in Arts and Humanities**

To be counted toward the requirements for the minor, the content of RCAH 391 and 395 must have sufficient Jewish studies content and be approved by the Jewish Studies advisor.

#### Women's Studies

**WS 302 Jewish Women's Experiences and Writings**  
**WS 490 Independent Study**

To be counted toward the requirements for the minor, the content of WS 490 must have sufficient Jewish studies content and be approved by the Jewish Studies advisor.

Effective Fall 2015.

5. **Change the award type of the Specialization in Fiction Film Production to Minor in Fiction Film Production** in the Department of English.

*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 Fiction Film Production Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.
6. Change the name of the Minor in Fiction Film Production to the Minor in Fiction Filmmaking in the Department of English.

Students admitted to the minor prior to Fall 2015 will graduate with a Specialization in Fiction Film Production.

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

7. Change the requirements for the Minor in Fiction Filmmaking in the Department of English.

a. Under the heading Minor in Fiction Filmmaking replace the entire entry with the following:

The student must complete a minimum of 15 credits from the following:

<table>
<thead>
<tr>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>3</td>
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<tr>
<td>3</td>
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<tr>
<td>3</td>
</tr>
</tbody>
</table>

Effective Fall 2015.

8. Change the requirements for the Bachelor of Arts degree in German in the Department of Linguistics and Germanic, Slavic, Asian and African Languages. The Teacher Education Council (TEC) approved this request at its March 2, 2015 meeting.

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

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

Two of the following courses (6 credits):

<table>
<thead>
<tr>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

Effective Fall 2015.
9. Change the requirements for the Disciplinary Teaching Minors in German available for elementary and secondary teacher certification in the Department of Linguistics and Germanic, Slavic, Asian and African Languages. The Teacher Education Council (TEC) approved this request at its March 2, 2015 meeting.

   a. Under the heading GERMAN make the following changes:

      (1) Replace item 1 with the following:

      Two of the following courses (6 credits):
      GRM 301 Third-Year German I     3
      GRM 302 Third-Year German II     3
      GRM 311 Business German      3

   Effective Fall 2015.

10. Delete the curriculum and degree requirements for the Bachelor of Arts degree in Classical Studies in the Department of Romance and Classical Studies. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request at its February 12, 2015 meeting. The Provost made the determination to discontinue the program after considering the consultative commentary from the University Committee on Undergraduate Education.

    No new students are to be admitted to the program effective Spring 2010. No students are to be readmitted to the program effective Spring 2010. Effective Spring 2016, coding for the program will be discontinued and the program will no longer be available in the College of Arts and Letters. Students who have not met the requirements for the Bachelor of Arts degree in Classical Studies through the College of Arts and Letters prior to Spring 2016 will have to change their major.

11. Change the requirements for the Doctor of Philosophy degree in French, Language and Literature in the Department of Romance and Classical Studies. The University Committee on Graduate Studies (UCGS) approved this request at its March 19, 2015 meeting.

   a. Under the heading Requirements for the Doctor of Philosophy Degree in French, Language and Literature make the following change in item 3.:

      (1) Delete item d.

   Effective Fall 2015.

12. Change the requirements for the Master of Arts degree in Hispanic Literatures in the Department of Romance and Classical Studies. The University Committee on Graduate Studies (UCGS) approved this request at its March 19, 2015 meeting.

   a. Under the heading Requirements for the Master of Arts Degree in Hispanic Literatures make the following changes:

      (1) In paragraph one, change the first sentence to the following:

      The program is available under Plan A (with thesis) and Plan B (without thesis).

      (2) Replace item 3. with the following:

      Complete one of the following:

      Plan A
      1. Complete 6 credits of SPN 899 Master’s Thesis Research
      2. Pass a final oral examination that covers the students program of study, thesis, and reading list.

      Plan B
      1. Pass a written and oral examination based on the students course work and reading list. This examination is given only during the spring semester.

   Effective Fall 2015.
ELI BROAD COLLEGE OF BUSINESS

1. Change the requirements for the Master of Business Administration degree in the Eli Broad College of Business. The University Committee on Graduate Studies (UCGS) approved this request at their March 9, 2015 meeting.

   a. Under the heading Requirements for the Master of Business Administration Degree replace item 1. b. with the following:

   b. A concentration in finance, human resource management, marketing, or supply chain management (15 credits) or other concentration approved by the Director of the full-time M.B.A. program.

   b. Under the heading Transfer Credits add the following paragraph two:

   For a student who is pursuing a full-time M.B.A. degree from Michigan State University jointly with a Doctor of Osteopathic Medicine (D.O.) degree from the Michigan State University – College of Osteopathic Medicine, a maximum of 12 credits from the MSU College of Osteopathic Medicine may be transferred to the full-time M.B.A. degree program.

   Effective Fall 2015.

2. Change the name of the Bachelor of Arts degree in General Management to Management in the Department of Management.

   Students admitted to the major prior to Fall 2015 will graduate with a Bachelor of Arts degree in General Management.

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

3. Change the requirements for the Bachelor of Arts degree in Management in the Department of Management.

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

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

      The University’s Tier II writing requirement for the Management major is met by completing Management 460. That course is referenced in item 3. a. (1) below.

      (2) In item 3. a. change the total credits from ‘12’ to ‘15’.

      (3) Change item 3. a. (2) to the following:

      Four courses at the 300-400 level from Accounting, Finance, General Business and Business Law, Management, and Marketing and Supply Chain Management, in addition to Management 460. Two of these courses must be in different areas, excluding Management. Courses that are used to satisfy BUSINESS CORE PROGRAM requirements [referenced in item 2. of the College’s statement on Graduation Requirements for the Bachelor of Arts Degree in the majors that comprise the Business Administration Programs] may not be used to satisfy this requirement.

   Effective Fall 2015
4. Establish a **Minor** in **Retail Management** in the Department of Management. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its February 12, 2015 meeting.

a. **Background Information:**

The Minor in Retail Management provides students with the academic foundation and practical experience to pursue careers in the retail industries. The minor is intended for students who wish to enhance their marketability for highly competitive careers in areas related to retailing and financial services. Students will apply their knowledge of business to these industries through scholarly course work and internships.

The minor fills gaps in the food industry management program that was left by the demise of the retailing program by continuing to offer courses that supported that program. Adding the minor which is dedicated to a specific industry enhances student attractiveness to employers in industries.

b. **Academic Programs Catalog Text:**

The Minor in Retail Management, which is administered by the Department of Management, prepares students for careers in the field of retailing, and financial retailing. It is designed to enhance the career potential of students studying general management and marketing by providing a program of study dedicated toward a specific industry and career path. The minor will also be particularly valuable to students in advertising and public relations, finance, and food industry management.

The minor is available as an elective to students who are enrolled in bachelor’s degree programs at Michigan State University in the Eli Broad College of Business, in the Advertising major, or in the Food Industry Management major. With the approval of the department and college that administers the student’s degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor’s degree.

Students who plan to complete the requirements for the minor should apply through the undergraduate advisor in the Department of Management. Students must have completed either ACC 201 or ACC 202 or ACC 230 prior to admission to the minor.

**Requirements for the Minor in Retail Management**

Students must complete a minimum of 15 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 351</td>
<td>Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>RET 371</td>
<td>Merchandise Planning and Buying</td>
<td>4</td>
</tr>
<tr>
<td>SCM 371</td>
<td>Procurement and Supply Management</td>
<td>3</td>
</tr>
<tr>
<td>ADV 481</td>
<td>Retail Strategy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MGT 460</td>
<td>Capstone for Management Majors (W)</td>
<td>3</td>
</tr>
<tr>
<td>ADV 375</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>FIM 460</td>
<td>Retail Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>MGT 325</td>
<td>Management Skills and Processes</td>
<td>3</td>
</tr>
<tr>
<td>MGT 352</td>
<td>Entrepreneurship: New Venture Process</td>
<td>3</td>
</tr>
<tr>
<td>MGT 411</td>
<td>Organizational Staffing</td>
<td>3</td>
</tr>
<tr>
<td>MGT 412</td>
<td>Compensation and Reward Systems</td>
<td>3</td>
</tr>
<tr>
<td>MGT 413</td>
<td>Personnel Training and Development</td>
<td>3</td>
</tr>
<tr>
<td>MGT 414</td>
<td>Diversity in the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>MGT 418</td>
<td>Labor-Management Relations</td>
<td>3</td>
</tr>
<tr>
<td>MGT 475</td>
<td>Negotiation and Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 491</td>
<td>Special Topics in Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 302</td>
<td>Consumer and Organizational Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 313</td>
<td>Personal Selling and Buying Processes</td>
<td>3</td>
</tr>
<tr>
<td>MKT 319</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 355</td>
<td>Entrepreneurship: Strategic Marketing Planning and Launch</td>
<td>3</td>
</tr>
<tr>
<td>MKT 383</td>
<td>Sales Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 410</td>
<td>Product Innovation and Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 412</td>
<td>Marketing Technology and Analytics</td>
<td>3</td>
</tr>
</tbody>
</table>
MKT 439  Food Business Analysis and Strategic Planning (W)  3
SCM 373  Logistics and Transportation Management  3

Effective Fall 2015.

COLLEGE OF COMMUNICATION ARTS AND SCIENCES

1. Change the award type of the Specialization in Sales Communication to Minor in Sales Communication in the Department of Communication.

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 Sales Communication Fall 2015 and forward will follow the requirements for the minor in accordance with the minor policy.

Effective Fall 2015.

2. Change the name of the Minor in Sales Communication to the Minor in Sales Leadership in the Department of Communication.

Students admitted to the minor prior to Fall 2015 will graduate with a Specialization in Sales Communication.

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

3. Change the requirements for the Minor in Sales Leadership in the Department of Communication.

a. Under the heading Minor in Sales Leadership replace the entire entry with the following:

Students must complete 19 credits from the following courses:

| CREDITS |
|-----------------|-----------------|
| COM 360 Advanced Sales Communication 3 |
| COM 483 Practicum in Sales Communication 1 |
| MKT 313 Personal Selling and Buying Processes 3 |
| MKT 383 Sales Management 3 |
| ADV 375 Consumer Behavior 3 |
| ADV 481 Retail Strategy Analysis 3 |
| CAS 492 Special Topics 3 |
| COM 315 Information Gathering and Interviewing Theories 3 |
| COM 325 Interpersonal Influence and Conflict 3 |
| COM 340 Leadership and Group Communication 3 |
| COM 399 Special Topics in Communication 3 |
| MGT 475 Negotiation and Conflict Management 3 |
| MKT 302 Consumer and Organizational Buyer Behavior 3 |
| MKT 412 Marketing Technology and Analytics 3 |
| MKT 430 Key Account and Customer Relationship Management 3 |
| MKT 490 Independent Study 3 |
| MKT 491 Special Topics in Marketing 3 |
| SCM 371 Procurement and Supply Management 3 |

Special Topics courses must be related to sales and preapproved by the instructor and program administrator in the respective colleges.
3. Completion of a minimum of 500 hours of experiential learning outside of course work, including a professional sales internship and any combination of the following activities and experiences: participation in collegiate level sales presentation competition, active member of the Global Sales Leadership Society, service as an executive officer of a professional student organization, participation in a commercial sales training program, shadow salesperson or manager for a day, interaction with a sales mentor for one semester, or other preapproved sales-related activity. Students should see the managing director for the minor to have their selected activities or experience preapproved.

Effective Fall 2015.

4. Establish a Minor in Communicative Sciences and Disorders in the Department of Communicative Sciences and Disorders. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its January 29, 2015 meeting.

   a. **Background Information:**

   The Department of Communicative Sciences and Disorders had historically offered undergraduate and graduate degrees. The undergraduate degree was put into moratorium Spring 2010 and officially discontinued in 2014 in response to budgetary constraints. Since 2012, the department has re-invested in increasing its research productivity and put a greater emphasis in its graduate training programs, including curriculum revision, introduction of new pedagogical techniques and use of teaching technologies. While there has always been a keen interest in communicative sciences and disorders (CSD) at the undergraduate level, the department’s rapid growth in productivity in the last few years has further increased student interest in this area. Additionally, graduates from CSD master’s degrees have very good employment prospects (99% employed within 6 months of graduation).

   The department has continued to offer several undergraduate courses to students with typical enrollment varying from 20 to 75 students. These students generally seek professional careers in Speech-Language Pathology (SLP) or Audiology. The entry-level degree for both these professional tracks is the graduate degree, a master’s degree for SLP or a clinical doctorate (Au.D.) for audiology. Admission to graduate programs is very competitive nationally. A critical element of a student’s application packet for graduate study is clear documentation of completion of all prerequisite courses. A minor in CSD will allow students to be academically prepared for graduate study.

   The American Speech-Language and Hearing Association (ASHA) oversees the certification requirements for practicing Speech-Language Pathology. The certification and licensure for Audiology are overseen by ASHA or the American Board of Audiology (ABA). Academic programs are accredited by the Council of Academic Accreditation (CAA), which oversee by ASHA. Only graduate degree programs are required to seek accreditation. The accreditation standards specify the knowledge and skills that students must achieve; however, these standards provide significant flexibility in scheduling and format of training. Each academic program has flexibility in incorporating various knowledge or skills objectives at the undergraduate or graduate level of training.

   b. **Academic Programs Catalog Text:**

   The Minor in Communicative Sciences and Disorders assists students in acquiring understanding of both normal and disordered aspects of speech, language, and hearing; and knowledge and skills regarding the diagnosis and treatment of communication disorders. Speech, language, and hearing disorders can occur at any time over the lifespan and are among the most common challenges faced by the elderly. Completion of the minor provides preparation required for admission to graduate study in communication disorders.

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

   Students who plan to complete the requirements for the minor should consult an undergraduate advisor in the department.
## Requirements for the Minor in Communicative Sciences and Disorders

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSD 213</td>
<td>Anatomy and Physiology of the Speech and Hearing Mechanisms</td>
<td>3</td>
</tr>
<tr>
<td>CSD 303</td>
<td>Fundamentals of Hearing</td>
<td>3</td>
</tr>
<tr>
<td>CSD 313</td>
<td>Speech Science</td>
<td>3</td>
</tr>
<tr>
<td>CSD 333</td>
<td>Oral Language Development</td>
<td>3</td>
</tr>
<tr>
<td>CSD 364</td>
<td>Speech and Language Disorders and their Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>CSD 444</td>
<td>Audiologic Assessment and Intervention/Rehabilitation Pathology</td>
<td>3</td>
</tr>
<tr>
<td>CSD 463</td>
<td>Intervention/Rehabilitation Procedures in Speech-Language Pathology</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective Fall 2015.

5. Delete the curriculum and degree requirements for the **Bachelor of Arts** degree in **Media Arts and Technology** in the Department of Telecommunication, Information Studies and Media. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request at its January 15, 2015 meeting. The Provost made the determination to discontinue the program after considering the consultative commentary from the University Committee on Undergraduate Education.

No new students are to be admitted to the program effective Spring 2012. No students are to be readmitted to the program effective Spring 2012. Effective Fall 2016, coding for the program will be discontinued and the program will no longer be available in the Department of Telecommunication, Information Studies and Media. Students who have not met the requirements for the Bachelor of Arts degree in Media Arts and Technology through the Department of Telecommunication, Information Studies and Media prior to Fall 2016 will have to change their major.

6. Delete the curriculum and degree requirements for the **Bachelor of Science** degree in **Media and Communication Technology** in the Department of Telecommunication, Information Studies and Media. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request at its January 15, 2015 meeting. The Provost made the determination to discontinue the program after considering the consultative commentary from the University Committee on Undergraduate Education.

No new students are to be admitted to the program effective Spring 2012. No students are to be readmitted to the program effective Spring 2012. Effective Fall 2016, coding for the program will be discontinued and the program will no longer be available in the Department of Telecommunication, Information Studies and Media. Students who have not met the requirements for the Bachelor of Arts degree in Media and Communication Technology through the Department of Telecommunication, Information Studies and Media prior to Fall 2016 will have to change their major.
COLLEGE OF EDUCATION

1. Change the requirements for the **Master of Science** degree in **Kinesiology** in the Department of Kinesiology. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.
   
   a. Under the heading **Master of Science** make the following change:

   (1) Replace paragraph three with the following:

   Eight major areas of study within the discipline of kinesiology are available to master's students:

   Athletic Training
   Coaching
   Cognitive and Motor Neuroscience
   Exercise Physiology
   Psychosocial Aspects of Sport and Physical Activity
   Sport Administration
   Strength and Conditioning
   Student Athlete Development

   Effective Fall 2015.

2. Change the requirements for the **Doctor of Philosophy** degree in **Kinesiology** in the Department of Kinesiology. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.
   
   a. Under the heading **Doctor of Philosophy** make the following change:

   (1) Replace paragraph two with the following:

   Four major areas of study within the discipline of kinesiology are available to doctoral students:

   Athletic Training
   Cognitive and Motor Neuroscience
   Exercise Physiology
   Psychosocial Aspects of Sport and Physical Activity

   Effective Fall 2015.

3. Establish a **Master of Science** degree in **Sport Coaching and Leadership** in the Department of Kinesiology. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its February 2, 2015 meeting.
   
   a. **Background Information:**

   The Department of Kinesiology has a rich history of offering scientifically based courses related to teaching and coaching. Many potential graduate students teach or coach full-time and find it difficult to enroll full-time in an on-campus program. Coaching seasons and demands are such that participating face-to-face is impossible for these individuals. The online certificate provides coaches in high school, college, and community programs with the most recent sport science and best practices information related to coaching, developing athletes, and leading sports programs. Students will interpret and apply scientific research to practice; gain an understanding of the physical, psychological, philosophical, biomechanical, legal, administrative, and ethical issues related to coaching athletes; improve sport-specific knowledge in developing skills, preventing injuries, and conduct safe and effective training programs; and develop the ability to enhance positive youth development through sport involvement. Course work is aligned to prepare coaches to meet competencies outlined by the International Sport Coaching Framework, developed by the International Council for Coaching Excellence.
b. **Academic Programs Catalog Text:**

The Master of Science degree in Sport Coaching and Leadership provides opportunities for students to develop expertise in learning and using scientific knowledge and best practices related to coaching and developing athletes and leading sports programs at the intercollegiate, interscholastic, community sports, and university levels. It facilitates interdisciplinary knowledge in various issues related to coaching across the lifespan. Practical experiences are available at high schools, within the university athletic department, and in other sports-related organizations and agencies.

**Admission**

To be considered for admission to the Master of Science degree in Sport Coaching and Leadership students must:

1. have completed a bachelor's degree in the United States or its equivalent from an accredited institution.
2. have a minimum 3.0 grade-point average.
3. submit one letter of recommendation from a current colleague or supervisor.
4. submit a statement of professional goals that clearly describe the applicant's reasons for pursuing the master's degree and the goals that the degree will help them attain.

Upon acceptance, students must submit evidence of current CPR, first-aid, and blood borne pathogen training and maintain such certification throughout their enrollment in the program.

Applications are reviewed by faculty who look for indications of high probability of success. Factors that are significant in determining admission are:

1. A grade-point average of 3.0 or higher.
2. Professional goals that are consistent with the objectives of the master's program.
3. Evidence of a philosophical understanding of developmentally appropriate sport experiences.

**Requirements for the Master of Science Degree in Sport Coaching and Leadership**

The program is available only under Plan B (without thesis). The student must complete 30 credits distributed as follows:

1. All of the following courses (30 credits):
   - KIN 829 Safety and Injury Control
   - KIN 854 Legal and Administrative Issues for Administrators and Coaches
   - KIN 855 Psychosocial Bases of Coaching Athletes
   - KIN 856 Physical Bases of Coaching Athletes
   - KIN 857 Promoting Positive Youth Development through Sport
   - KIN 865 Stages of Athlete Development
   - KIN 868 Skill Development in Athletes
   - KIN 872 Coaching Science: Applied Research
   - KIN 880 Sport Leadership Practicum
   - KIN 896 Integrative Capstone in Sport Coaching and Leadership

2. Completion of a final examination or evaluation.

Effective Spring 2016.
4. Establish a **Graduate Certificate in Sport Coaching and Leadership** in the Department of Kinesiology. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its February 2, 2015 meeting.

The Graduate Certificate in Sport Coaching and Leadership is a Type 2 graduate certificate and will appear on the transcript as “Graduate Certificate Program in Sport Coaching and Leadership”.

**a. Background Information:**

The Department of Kinesiology has a rich history of offering scientifically based courses related to teaching and coaching. Many potential graduate students teach or coach full-time and find it difficult to enroll full-time in an on-campus program. Coaching seasons and demands are such that participating face-to-face is impossible for these individuals. The online certificate provides coaches in high school, college, and community programs with the most recent sport science and best practices information related to coaching, developing athletes, and leading sports programs. Students will interpret and apply scientific research to practice; understand the physical, psychological, philosophical, biomechanical, legal, administrative, and ethical issues related to coaching athletes; and develop the ability to enhance positive youth development through sport involvement.

**b. Academic Programs Catalog Text:**

The Graduate Certificate in Sport Coaching and Leadership provides opportunities for students to develop expertise in learning and using scientific knowledge and best practices related to coaching and developing athletes and leading sports programs at the intercollegiate, interscholastic, and community sports levels. It facilitates interdisciplinary knowledge in various issues related to coaching across the lifespan. The certificate is available only online.

**Admission**

To be considered for admission to the Graduate Certificate in Sport Coaching and Leadership students must:

1. have completed a bachelor’s degree.
2. complete the Intent to Enroll form if you are currently enrolled in a graduate degree program at Michigan State University.

Students who are not enrolled at Michigan State University must:

1. submit a university application and application fee.
2. provide transcripts from all previous institutions of higher education.
3. submit one letter of recommendation from a current colleague or supervisor.
4. submit a statement of professional goals that clearly describe the applicant’s reasons for pursuing the certificate and the goals that the certificate will help them attain.
5. a test of English language proficiency for students for whom English is not a first language.

Upon acceptance, students must submit evidence of current CPR, first-aid, and blood borne pathogen training and maintain such certification throughout their enrollment in the program.

Applications are reviewed by faculty who look for indications of high probability of success. Factors that are significant in determining admission are:

1. A grade-point average of 3.0 or higher in the last two years of all undergraduate and graduate course work.
2. Professional goals that are consistent with the objectives of the graduate certificate.
3. Evidence of a philosophical understanding of developmentally appropriate sport experiences.
5. Change the requirements for the Doctor of Philosophy degree in Curriculum, Instruction, and Teacher Education in the Department of Teacher Education. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.

a. Under the heading Requirements for the Doctor of Philosophy Degree in Curriculum, Instruction, and Teacher Education make the following change:

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

   TE 939 Special Topics in Advanced Qualitative Methodology 3

   Add the following courses:

   TE 939A Special Topics in Advanced Qualitative Methodology 3
   TE 939B Advanced Qualitative Methods: Critical Ethnography 3
   TE 939C Advanced Qualitative Methods: Discourse Analysis 3
   TE 939D Advanced Qualitative Methods: Case Studies 3
   TE 939E Advanced Qualitative Methods: Humanities Oriented Research 3
   TE 939F Advanced Qualitative Methods: Phenomenology 3
   TE 939G Advanced Qualitative Methods: Humanizing Research-Decolonizing Qualitative Inquiry 3

   A course used to fulfill this requirement may not be used to fulfill another requirement.

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

   TE 939 Special Topics in Advanced Qualitative Methodology 3

   Add the following courses:

   TE 939A Special Topics in Advanced Qualitative Methodology 3
   TE 939B Advanced Qualitative Methods: Critical Ethnography 3
   TE 939C Advanced Qualitative Methods: Discourse Analysis 3
   TE 939D Advanced Qualitative Methods: Case Studies 3
   TE 939E Advanced Qualitative Methods: Humanities Oriented Research 3
   TE 939F Advanced Qualitative Methods: Phenomenology 3
   TE 939G Advanced Qualitative Methods: Humanizing Research-Decolonizing Qualitative Inquiry 3

   A course used to fulfill this requirement may not be used to fulfill another requirement.

Effective Fall 2015.
6. Establish a **Graduate Certificate** in **English Language Learner Education** in the Department of Teacher Education. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its February 2, 2015 meeting.

The **Graduate Certificate in English Language Learner Education** is a Type 2 graduate certificate and will appear on the transcript as “Graduate Certificate Program in English Language Learner Education”.

a. **Background Information:**

The graduate certificate in English Language Learner Education is an innovative graduate certificate program for doctoral students who wish to gain critical knowledge and skills in teaching English Language Learners (ELLs) in K-12 schools. The increasing number of ELLs and the continuing shortage of qualified teachers for these learners in American schools have highlighted a critical need to better prepare pre-service teachers to teach this increasingly diverse student population. Doctoral students in the College of Education, especially in teacher education, are major players in educating the next generation of teachers. The series of courses in this graduate certificate are designed to provide a comprehensive understanding of the multiple complexities in educating English Language Learners (ELLs) including the influence of the socio-historical, local, and policy contexts and the challenges of teaching learners with diverse levels of English proficiency and prior formal schooling experiences, and in both English as a second language and content-area classrooms. The certificate will provide an overview of the different sociocultural, socio-historical, and sociopolitical factors that influence ELL education; demonstrate different theories, methods, and program models in English as a second language teaching, bilingual education, and content-area teaching; stress the importance of affirming the linguistic and cultural diversity of ELLs; and provide the knowledge-base and skills in ELL education that students can apply in their own research and teaching in the field of education upon their graduation. How to best educate English language learners in K-12 schools is an increasingly important area of study. With the growing immigrant and English language learners’ populations in K-12 schools both in Michigan and around the country, there is an urgent need to have more faculty members who can support teachers, counselors, and administrators to work with ELLs. The graduate certificate fills an increasing need in the field and among doctoral students in teacher education at MSU. The graduate certificate will complement student’s main program of study in their specialization areas and will equip them with the necessary skills and credentials that will make them more marketable in the competitive job market as they seek employment in higher education institutions in the field of education which are preparing teachers, administrators, and counselors to work with ELLs. It will be especially beneficial in increasing the competitiveness of the growing number of international students in teacher education who come from TESOL backgrounds in their home countries and that of the domestic students who have overseas teaching experiences.

Students will benefit from sustained engagement with College of Education faculty in the highly ranked programs in the College of Education. Given the outstanding research and field activities on English language learners and immigrant students that have been carried out by a group of faculties in the College of Education, MSU is uniquely able to provide a practical program to train more educators with expertise in ELL education.

The graduate certificate is a natural progression of the changes in student demographics in the K-12 schools, the increasing demands on teachers to address the complex cultural and linguistic diversity in their classrooms, and the increasing interests and needs among the current doctoral students to have critical knowledge base and skills in ELL education to address these changes and demands in their own research and teaching.

b. **Academic Programs Catalog Text:**

The Graduate Certificate in English Language Learner Education is designed for students in doctoral programs who wish to gain a comprehensive understanding of the multiple complexities in educating English Language Learners (ELL) including the influence of the socio-historical, local, and policy contexts and the challenges of teaching learners with diverse levels of English proficiency and prior formal schooling experiences in both English as a second language and content-area classrooms. The graduate certificate provides an overview of the different sociocultural, socio-historical, and sociopolitical factors that influence ELL education; demonstrates different theories, methods, and program models in English as a second language teaching, bilingual education, and content-area teaching; stresses the importance of affirming the linguistic and cultural diversity of ELL’s; and offers the knowledge-base and skills in ELL education that students can apply in their own research and teaching in the field of education.
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

Admission

To be considered for admission to the Graduate Certificate in English Language Learner Education students must be pursuing a doctoral degree program within the College of Education.

Requirements for the Graduate Certificate in English Language Learner Education

Students must complete 12 credits from the following:

1. Four of the following courses (12 credits):
   - EAD 907 Educational Policy for Immigrant and ELL Students 3
   - LLT 808 Assessment for Language Teaching and Research 3
   - LLT 860 Second Language Acquisition 3
   - SOC 852 Migration and Social Change 3
   - TE 904 ELL/ESL Research and Practice: K-12 3
   - TE 908 Sociohistorical Perspectives on English Language Learners and Second Language Education in the U.S. 3
   - TE 909 English Language Learners in Content Areas: Constructing Research Communities and Resources 3

   Students who wish to take an alternative course (3 or 4 credits) on English Language Learners in substitution of a course above must request formal permission from the graduate certificate program faculty. Only one substitution request will be accepted.

2. An English Language Learners Education research project focusing on issues related to teaching and learning, curriculum, policy, counseling, or leadership as they pertain to understanding problems, issues, and potential solutions in ELL education. This requirement can be met through a student’s doctoral research practicum requirement or through an independent study project arrangement with a faculty member. The project’s topic must be preapproved by the certificate program faculty. The project must result in a paper with a minimum length of 25 pages with references.

Effective Fall 2015.

7. Establish a Graduate Certificate in Qualitative Research Methods in the Department of Teacher Education. The University Committee on Graduate Studies (UCCS) recommended approval of this request at its February 2, 2015 meeting.

The Graduate Certificate in Qualitative Research Methods is a Type 2 graduate certificate and will appear on the transcript as “Graduate Certificate Program in Qualitative Research Methods”.

a. Background Information:

   In the last few years there have been a growing number of job postings in the area of qualitative research. While some of our graduates have rather extensive preparation through extensive dissertation work and experience, many often find themselves at a disadvantage when applying for positions when compared with graduate students from a rather small number of other institutions which offer a concentration or certificate in qualitative research methods. It is our desire for our graduates to be as competitive when entering the job market. The proposed certificate will enhance a student’s marketability. Most of the courses for the certificate are courses the department already regularly teach and students take in the ‘regular’ curriculum. One additional new course on qualitative data analysis will benefit student’s skills in data analysis.

b. Academic Programs Catalog Text:

   The Graduate Certificate in Qualitative Research Methods is designed for doctoral students enrolled in College of Education doctoral programs. It focuses on enhancing doctoral students’ theoretical and practical preparation and expertise in conceiving, designing, conducting, analyzing, and reporting qualitative research studies as well as preparing them to teach both introductory and advanced courses in qualitative research methods when assuming faculty positions elsewhere.
Admission

To be considered for admission to the Graduate Certificate in Qualitative Research Methods students must be pursuing a doctoral degree program within the College of Education.

Requirements for the Graduate Certificate in Qualitative Research Methods

Students must complete 15 credits from the following:

1. Both of the following courses (6 credits):
   - CEP 930 Educational Inquiry 3
   - TE 931 Introduction to Qualitative Methods in Educational Research 3

2. At least three of the following courses (9 credits):
   - HST 803 Seminar in Methodology of Historical Research 3
   - SOC 985 Qualitative Field Research 3
   - TE 938 Qualitative Data Analysis 3
   - TE 939A Special Topics in Advanced Quantitative Methods 3
   - TE 939B Advanced Qualitative Methods: Critical Ethnography 3
   - TE 939C Advanced Qualitative Methods: Discourse Analysis 3
   - TE 939D Advanced Qualitative Methods: Case Studies 3
   - TE 939E Advanced Qualitative Methods: Humanities Oriented Research 3
   - TE 939F Advanced Qualitative Methods: Phenomenology 3
   - TE 939G Advanced Qualitative Methods: Humanizing Research: Decolonizing Qualitative Inquiry 3
   - WRA 870 Research Methodologies in Rhetoric and Composition 3

Effective Fall 2015.
COLLEGE OF HUMAN MEDICINE

1. Change the requirements for the Professional Program in Human Medicine leading to the Doctor of Medicine (M.D.) degree. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.

a. Under the heading PROGRAM IN HUMAN MEDICINE make the following changes:

(1) Under the heading CURRICULUM add the following statement as the first sentence:

The professional program leading to the Doctor of Medicine degree offers two pathways: the Legacy Pathway and the Shared Discovery Pathway. Once a student is admitted to a pathway, the pathways are not interchangeable.

(2) Under the heading CURRICULUM, following the first paragraph (noted above), add the following heading to the existent curriculum:

LEGACY PATHWAY

(a) Under the heading ELECTIVES change ‘20 weeks’ to ‘24 weeks’.

(3) Prior to the heading ADMISSION TO THE PROGRAM IN HUMAN MEDICINE add the following:

SHARED DISCOVERY PATHWAY

The College of Human Medicine’s Shared Discovery Pathway is designed to be responsive to the health care needs of Michigan and the country, and in the educational best interests of diverse learners. This pathway emphasizes usefulness and experience as the motivating framework for adult medical education. It features the blending of pedagogy and action harkening back more than a century to the pragmatism of Jane Addams and in explicit distinction to the traditional medical education of the last 80 years.

The design of this pathway is based on principles listed below. The core set of principles are the foundation to all learning within the pathway. The critical additional principles align with the college’s vision and mission, and should be reflected in the experiences graduates of the program.

Core Principles
Adult learning/student centered
Competence and excellence
Rational instructional design
Humanism
Integration
Patient-centered
Faculty development link to the pathway

Critical Additional Principles
Community medicine
Chronic disease
Compassion and empathy
Innovative use of technology
Problem-based
Cultural competence
Healthcare disparities
Future oriented
Liaison Committee on Medical Education (LCME) accreditation standards
Multidisciplinary programming
Safety science
Continuous quality improvement model
Teamwork
Leadership
Learning Societies
Students and faculty are organized in the pathway through four learning societies spanning the geographic campuses and medical student years in the curriculum. The learning societies are the site of academic coordination of student learning plans as well as the home of post clinic groups that integrate and contextualize students’ experiences in clinic with the programmed content of the pathway. The learning societies provide student mentorship, exploration of the social context of medicine and medical humanities, and peer-to-peer and near-peer support.

The college’s curriculum is organized around a core group of competencies based on residency competencies adopted by the Accreditation Council for Graduate Medical Education (ACGME). Additional competencies were added and others were reorganized to better align with the college’s mission. This competency structure will be used within the shared discovery pathway.

Major Pathway Experiences
The pathway will be organized around three major clinical experiences: an Early Clinical Experience, a Middle Clinical Experience, and a Late Clinical Experience. Between the clinical experiences there will be a series of intersessions which will provide an opportunity for students to focus on particular areas of strength, weakness, and interest.

Early Clinical Experience
The 24-week Early Clinical Experience begins with an 8-week lead-in Preparation for the Early Clinical Experience which emphasizes student and patient safety in clinical settings, communication and clinical skills, the social context of clinical decisions, medical humanities, and a survey of the necessary sciences underpinning common ambulatory clinical exam procedures, diagnostics tests, and clinical findings. At the outset of the Preparation for the Early Clinical Experience, students take the Progress Suite and develop a personal learning plan with their learning community faculty. During the Preparation for the Early Clinical Experience students begin orientation in their ambulatory clinic site and learning the clinic’s processes. As the Early Clinical Experience proper begins, students sequentially function as a medical assistant and then participate in care management activities before beginning to do focused histories and examinations on patients with common presenting conditions.

The weekly template for Preparation for the Early Clinical Experience and Early Clinical Experience student workflow includes small group sessions, a Team-Based Learning Session or Integrative Clinical Correlation, Post Clinic Group, and guaranteed Guided Independent Learning time each week.

Topics in the Preparation for the Early Clinical Experience include: introductory gross anatomy and radiological correlates for the Core Physical Exam; and integrative molecular and cellular biology of common laboratory tests and host response to pathogen.

Topics for the Early Clinical Experience Chief Complaints include: blood pressure, knee and back pain, immunizations, dyspnea, dysuria, hyper/hypoglycemia, acute abdomen, mood disorders, palpitations, dizziness, and health maintenance.

Intersessions
The Shared Discovery Pathway includes a series of intersessions between the Early and Middle Clinical Experiences and again between the Middle and Late Clinical Experiences designed to help students prepare for their next level of clinical work.

There are four blocks of intersessions between the Early and Middle Clinical Experiences. Each block is four weeks long and students take two intersessions at a time creating eight total intersessions. Students take three required intersessions such as Medical Humanities, Health of Special Populations, and Evidence-based Medicine. Students also have the opportunity to take “catch-up” intersessions in basic sciences and clinical skills as well as take intersessions related to the college’s certificate programs.

Between the Middle and Late Clinical Experiences there are two blocks of intersessions. Each block is four weeks long and students take two intersessions at time creating four total intersessions. Students are required to take two intersessions such as Clinical Anatomy and the United States Medical Licensure Examination preparation. Students also
have the opportunity to take “catch-up” intersessions in basic sciences and clinical skills as well as take intersessions related to the college’s certificate programs.

**Middle Clinical Experience**
The Middle Clinical Experience in the pathway further integrates clinical and necessary science and humanities experiences in more complex settings and to a greater depth. The learning community post clinic groups of the Early Clinical Experience continue once a week in the Middle Clinical Experience in support of the weekly programmed large group content. The clinical experiences of the Middle Clinical Experience are more varied than in the Early Clinical Experience but still have their own goals and objectives supported by a weekly rotation based small group precepted by the learning community faculty.

**Late Clinical Experience**
The Late Clinical Experience provides disciplinary clerkships to prepare students for residency and a career of learning in the specialty of their interest. The major disciplines will be included through four-week rotations in family medicine, internal medicine, intensive care, obstetrics and gynecology, pediatrics, psychiatry, Surgery 1 and 2, and electives. Because of the clinical intensity of the Middle Clinical Experience, many of these clerkships are at the level of a sub-internship. The learning society content and recurring progress assessment suites continue through the Late Clinical Experience.

**ELECTIVES**
Students are also required to complete 24 weeks of approved clinical electives as a part of meeting the college graduation requirements. At least 8 of the 24 weeks must be completed in the community to which the student is assigned. Students are encouraged to study broadly and/or to pursue intensively their special interests through elective programs. Elective programs may include any of the variety of courses offered by the college and university, research projects, or placements in hospitals other than those associated with Michigan State University. Students may also take elective courses at other medical schools.

**ASSESSMENT-PROGRESS ASSESSMENT**
From the first days of the pathway, and at regular intervals throughout a learner’s trajectory, a suite of progress assessments enable students and their faculty to verify learners’ achievement of competence and readiness to advance through the pathway. Progress testing is a longitudinal competency assessment that facilitates adult lifelong learning. In essence, the College of Human Medicine’s progress suite of assessments is the graduation test for the M.D. degree. Students take the progress suite assessment and move through the pathway as they demonstrate competency. With some slight variation for licensure preparation, every offering of the progress suite of assessments is equivalent and students are evaluated on the assessments many times in their College of Human Medicine career.

Pragmatism as an educational philosophical stance requires assessing thought, action and their interaction. The pathway utilizes a group of assessments that include the nationally-normed multiple choice examinations associated with a professional education but do not stop at the determination of simply what our learners “know.” A core assessment is the Progress Clinical Skills Examination of actual performance with standardized patients. Other assessments in the suite include a multi-source rating by their faculty, peers, health care team members and actual patients which will indicate what our College of Human Medicine students “do.” Portfolios of evidence containing essays, multimedia, reflections, scholarly products and projects are regularly reviewed by faculty to assure that acquisition of the necessary knowledge, skills and attitudes is taking place, and that learners can receive anticipatory guidance to achieve not only competency, but excellence. Ongoing data flow from these multiple types of assessments assure students, faculty, staff, and administration are engaging in continuous quality improvement. Students with particular strengths, such as a strong basic science or clinical background, and weaknesses, such as a time away from formal schooling or an atypical college major, are guided to focus on particular areas of challenge and opportunity.

Progress suite assessments are offered twice a semester to students of all levels of the pathway. Students are required to pass the progress suite of assessments in order to advance through the pathway.
(4) Under the heading **ADMISSION TO THE PROGRAM IN HUMAN MEDICINE** make the following changes:

(a) Replace paragraph three with the following:

The admissions process will continue the college’s traditional use of holistic review, which uses a balanced assessment of academic metrics, activities, and personal characteristics, and attributes when making admissions decisions. The College of Human Medicine Committee on Admissions evaluates applicants’ AMCAS applications, including experiences and personal statements, letters of recommendation (personal characteristics and attributes), and academic profile (major, classes, GPA trends, MCAT scores). At the same time, applicants are required to submit a minimum of three letters of evaluation. The Committee evaluates the applications to determine the most qualified applicants to advance to the next phase of the admissions process, the interview. Students are invited to Interview Day to learn more about the College of Human Medicine and to be assessed through interviews with a faculty member and a student. Interviewers are trained to assess applicants on the qualities the College associates with becoming exemplar physicians.

(b) In paragraph four, delete item 4., and replace items 2. and 3. with the following:

2. Experiences consistent with a commitment and success within medicine, such as clinical experiences, non-medical community service experiences, experiences with people different from self, experiences showing commitment to a community of people, mentoring experiences, leadership experiences, and teamwork experiences.

3. Personal characteristics and attributes that are consistent with a commitment and success within medicine, such as compassion, maturity, social responsibility, professional responsibility, morals and ethics, sociability, cultural competence, self-awareness calm-disposition, honesty, competence, and respect for others.

(c) In paragraph five, change item 4. to the following:

Completion of two upper-level (junior or senior level) biological sciences courses from the following list: biochemistry, cell biology, embryology, genetics, microbiology, molecular biology, neuroscience, or physiology.

(d) Replace paragraph six with the following:

Students interested in the Shared Discovery Pathway will apply to the pathway after admission to the College of Human Medicine. Students will be chosen to represent a diverse group of academic, service, and social backgrounds.

Effective Fall 2015.

2. Change the requirements for the **Graduate Certificate in Public Health Administration** in the College of Human Medicine. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.

*The Graduate Certificate in Public Health Administration is a Type 2 graduate certificate and will appear on the transcript as “Graduate Certificate Program in Public Health Administration”.

a. Under the heading **Requirements for the Graduate Certificate in Public Health Administration** make the following changes:

(1) Change the total credits from ‘15’ to ‘18’.

(2) Delete the following course:

HM 842 Introduction to Public Health Informatics 3
Add the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM 801</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HM 840</td>
<td>Public Health Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective Summer 2015.

**JAMES MADISON COLLEGE**

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

   (1) In item 1., paragraph two, change the Tier I writing requirement from the ‘Completion of James Madison College 111 and 112’ to the ‘Completion of James Madison College 111 or 112’.

Effective Fall 2015.

2. Change the requirements for the Bachelor of Arts degree in James Madison College [International Relations]. The Teacher Education Council (TEC) approved this request at its April 6, 2015 meeting.
   
a. Under the heading **Requirements for the Bachelor of Arts Degree in James Madison College** make the following changes:

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

   (a) In item 1. e. (2) change the number of ‘MC 241’ to ‘MC 341’.

Effective Fall 2015.

3. Change the requirements for the Bachelor of Arts degree in James Madison College [Political Theory and Constitutional Democracy]. The Teacher Education Council (TEC) approved this request at its April 6, 2015 meeting.
   
a. Under the heading **Requirements for the Bachelor of Arts Degree in James Madison College** make the following changes:

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

   (a) In item 1. c. change the number of ‘MC 241’ to ‘MC 341’.

Effective Fall 2015.
COLLEGE OF MUSIC

1. Change the requirements for the Master of Music degree in Collaborative Piano in the College of Music. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.

   a. Under the heading Requirements for the Master of Music Degree in Collaborative Piano make the following changes:

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

          Delete the following courses:
          MUS 842 Vocal Coaching Techniques 2
          MUS 845 Secondary or Special Emphasis: Voice 1

          Add the following courses:
          MUS 841 Seminar in Advanced Collaborative Piano Techniques 4
          MUS 849 Piano Performance 2

      (2) Delete items 2., 3., 4., 5., 6., 7., and 8. and replace with the following:

          2. Complete two courses in music theory at the 400-level or above.
          3. Complete a 3 credit course in music history at the 400-level or above.
          4. Complete 3 to 5 elective credits in music courses at the 400-level, exclusive of additional credits in MUS 849, MUS 850A, MUS 850B, and MUS 896.
          5. Participate in music activities during four semesters of enrollment in the program.
          The activities must be approved by the student’s academic advisor and must involve piano accompanying.
          6. Successful completion of the oral final certifying examination.
          7. Complete three collaborative recitals. The faculty of the piano area must approve each recital in a pre-recital hearing.

      (3) Delete the Opera Coaching Concentration.

          Effective Fall 2015.

2. Change the requirements for the Master of Music degree in Music Conducting in the College of Music. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.

   a. Under the heading Requirements for the Master of Music Degree in Music Conducting make the following changes:

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

          (a) Reletter item c. to item d.
          (b) Add the following item c.:

              Complete 8 to 10 credits of electives.

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

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

              MUS 859 Choral Techniques and Materials 6

          Add the following course:

              MUS 857 Seminar in Choral Literature 6

          (b) In item a. delete the note “With prior approval...”.
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

(c) Reletter item c. to item d.

(d) Add the following item c.:

Complete 4 to 6 credits of electives.

(3) Replace item 3. d. with the following:

Complete 4 to 9 credits of electives.

Effective Fall 2015.

3. Change the requirements for the Doctor of Musical Arts degree in Music Conducting in the College of Music. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.

a. Under the heading Requirements for the Doctoral of Musical Arts Degree in Music Conducting make the following changes:

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

(a) In item 1. change the total credits from ‘10 to 12’ to ‘8’

(b) In item 2., in the second sentence, change ‘at least 6 credits’ to ‘at least two courses’.

Effective Fall 2015.

4. Change the requirements for the Master of Arts degree in Musicology in the College of Music. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.

a. Under the heading Requirements for the Master of Arts Degree in Musicology make the following changes:

(1) Change the total credits required for the degree from ‘31’ to ‘32’.

(2) In item 1. change the credits of MUS 830 from ‘2’ to ‘3’.

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

3 credits of music history and 9 credits of ethnomusicology including Music 832 or Music 833, in addition to Music 830. At least two of the courses must be at the 800- or 900-level.

Effective Fall 2015.

5. Change the award type of the Specialization in Piano Pedagogy to Minor in Piano Pedagogy in the College of Music.

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 Piano Pedagogy 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 Piano Pedagogy in the College of Music.

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

   All of the following courses (15 credits):
   - MUS 177 Introduction to Music Education 2
   - MUS 346 Keyboard Methods and Literature I 2
   - MUS 347 Keyboard Methods and Literature II 2
   - MUS 448 Advanced Keyboard Methods and Literature I 2
   - MUS 449 Advanced Keyboard Methods and Literature II 2
   - MUS 465 Music in Early Childhood 2
   - MUS 467 Teaching General Music in the Elementary School 3

   Effective Fall 2015.

**COLLEGE OF NATURAL SCIENCE**

1. Change the Graduation Requirements for the Bachelor of Arts and Bachelor of Science degrees in the College of Natural Science.

   a. Under the heading Graduation Requirements make the following change in paragraph two, following item 3.:

   (1) Update ‘Biological Science 110, 111’ to ‘Biological Science 161, 162’.

   Effective Fall 2015.

2. Change the requirements for the Bachelor of Science degree in Environmental Biology/Plant Biology in the Department of Plant Biology.

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

   (1) Reletter item 3. a. to 3. f. and replace with the following:

   CSS 210 Fundamentals of Soil Science 3
   FW 417 Wetland Ecology and Management 3
   GEO 221 Introduction to Geographic Information 3
   PLB 203 Biology of Plants 4
   PLB 415 Plant Physiology 3
   PLB 418 Plant Systematics 3
   PLB 498 Undergraduate Research 3
   PLB 499 Senior Seminar (W) 1
   STT 231 Statistics for Scientists 3
   ZOL 355 Ecology 3
   ZOL 355L Ecology Laboratory (W) 1

   (2) Add the following new item 3. a.:

   a. One of the following groups of courses (8 to 10 credits):

   (1) CEM 141 General Chemistry 4
   CEM 142 General and Inorganic Chemistry 3
   CEM 161 Chemistry Laboratory I 1
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(2) LB 171 Principles of Chemistry I 4
LB 171L Introduction to Chemistry Laboratory I 1
LB 172 Principles of Chemistry II 3

(3) CEM 181H Honors Chemistry I 4
CEM 182H Honors Chemistry II 4
CEM 185H Honors Chemistry Laboratory I 2

(3) Delete items 3. b. and 3. c.

(4) Reletter item 3. g. to item 3. b. and add the following courses to group (3):
BS 191H Honors Cell and Molecular Biology Laboratory 2
BS 192H Honors Organismal and Population Biology Laboratory 2

(5) Add the following new items 3. c., 3. d., and 3. e.:
   c. One of the following groups of courses (8 credits):
      (1) PHY 183 Physics for Scientists and Engineers I 4
      PHY 184 Physics for Scientists and Engineers II 4
      (2) PHY 231 Introductory Physics I 3
      PHY 232 Introductory Physics II 3
      PHY 251 Introductory Physics Laboratory I 1
      PHY 252 Introductory Physics Laboratory II 1
      (3) LB 273 Physics I 4
      LB 274 Physics II 4
   d. One of the following courses (3 or 4 credits):
      MTH 124 Survey of Calculus I 3
      MTH 132 Calculus I 3
      MTH 152H Honors Calculus I 3
      LB 118 Calculus I 4
   e. One of the following, either (1) or (2) (4 or 6 credits):
      (1) CEM 143 Survey of Organic Chemistry 4
      (2) CEM 251 Organic Chemistry I 3
      CEM 252 Organic Chemistry II 3

(6) Reletter items 3. d., 3. e., and 3. f. to 3. g., 3. h., and 3. i. respectively.

(7) Reletter item 3. h. to item 3. j.

Effective Fall 2015.

3. Change the requirements for the Bachelor of Science degree in Plant Biology.

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

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

      The University's Tier II writing requirement for the Plant Biology major is met by completing Plant Biology 498 and 499 and Zoology 355L and 445. Those courses are referenced in item 3. below.

   (2) In item 3. a. (3) add the following courses to group (3):

      BS 191H Honors Cell and Molecular Biology Laboratory 2
      BS 192H Honors Organismal and Population Biology Laboratory 2
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMB 461</td>
<td>3</td>
</tr>
</tbody>
</table>

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

All of the following courses (27 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLB 203</td>
<td>4</td>
</tr>
<tr>
<td>PLB 415</td>
<td>3</td>
</tr>
<tr>
<td>PLB 416L</td>
<td>2</td>
</tr>
<tr>
<td>PLB 418</td>
<td>3</td>
</tr>
<tr>
<td>PLB 498</td>
<td>3</td>
</tr>
<tr>
<td>PLB 499</td>
<td>1</td>
</tr>
<tr>
<td>ZOL 355</td>
<td>3</td>
</tr>
<tr>
<td>ZOL 355L</td>
<td>1</td>
</tr>
<tr>
<td>ZOL 341</td>
<td>4</td>
</tr>
<tr>
<td>ZOL 445</td>
<td>3</td>
</tr>
</tbody>
</table>

(5) Delete items 3. h. and 3. i.

(6) Add the following items 3. h., 3. i., 3. j., and 3. k.:

h. One of the following options (4 or 6 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMB 401</td>
<td>4</td>
</tr>
<tr>
<td>BMB 461</td>
<td>3</td>
</tr>
<tr>
<td>BMB 462</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLB 434</td>
<td>4</td>
</tr>
<tr>
<td>PLB 441</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMG 409</td>
<td>3</td>
</tr>
<tr>
<td>MMG 431</td>
<td>3</td>
</tr>
</tbody>
</table>

k. Two 300-400 level courses relating to plant biology approved by the Department of Plant Biology (6 to 8 credits)

Effective Fall 2015.

4. Change the requirements for the Master of Science degree in Plant Biology in the Department of Plant Biology. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.

a. Under the heading Requirements for the Master of Science Degree in Plant Biology make the following changes:

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLB 800</td>
<td>1</td>
</tr>
<tr>
<td>PLB 803</td>
<td>2</td>
</tr>
</tbody>
</table>

Add the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLB 801</td>
<td>3</td>
</tr>
<tr>
<td>PLB 804</td>
<td>2</td>
</tr>
</tbody>
</table>

(2) Add the following item 3.:

Completion of the Responsible Conduct of Research workshop series offered by The Graduate School.

Effective Fall 2015.
5. Change the requirements for the Doctor of Philosophy degree in Plant Biology in the Department of Plant Biology. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.

   a. Under the heading Requirements for the Doctor of Philosophy Degree in Plant Biology make the following changes:

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

   - PLB 800 Seminar in Plant Biology 1
   - PLB 803 Integrative Topics in Plant Biology 2

   Add the following courses:

   - PLB 801 Foundations of Plant Biology 3
   - PLB 804 Frontiers in Plant Biology 2

   (2) Replace item 1. b. with the following:

   Completion of the Responsible Conduct of Research workshop series offered by The Graduate School.

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

   - FOR 804 Forest Ecology 3

Effective Fall 2015.

COLLEGE OF SOCIAL SCIENCE

1. Change the name and award type of the Specialization in International Development to Minor in Global Studies in Social Science 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 Global Studies in Social Science 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 Global Studies in Social Science in the College of Social Science.

   a. Under the heading Minor in Global Studies in Social Science replace the entire entry with the following:

   The student must meet the requirements specified below:

   1. Complete a minimum of 15 credits in courses at the 200-level or above excluding any credits in courses that are used to satisfy the Foreign Language Proficiency requirement referenced in item 2. below. Not more than 4 of the 15 credits may be in 200–level courses.
2. **Foreign Language Proficiency**: Demonstrate proficiency in a modern foreign language equivalent to four semesters of study at the university level. The results of the Michigan State University foreign language placement test will be considered in determining whether or not the student has fulfilled this requirement. The student is encouraged to complete a fifth semester of study in the language that focuses on the culture, history, and literature of a developing region of the world.

3. **Conceptual Courses**: Complete at least two of the following courses that are in a field other than the student’s major (6 credits):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABM 427</td>
<td>Global Agri-Food Industries and Markets</td>
<td>3</td>
</tr>
<tr>
<td>ANP 321</td>
<td>Anthropology of Social Movements</td>
<td>3</td>
</tr>
<tr>
<td>ANP 370</td>
<td>Culture, Health, and Illness</td>
<td>3</td>
</tr>
<tr>
<td>ANP 431</td>
<td>Gender, Environment and Development</td>
<td>3</td>
</tr>
<tr>
<td>ANP 436</td>
<td>Globalization and Justice: Issues in Political and Legal Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANR 250</td>
<td>Global Issues in Agriculture and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>ANR 475</td>
<td>International Studies in Agriculture and Natural Resources</td>
<td>2 to 6</td>
</tr>
<tr>
<td>ANS 480</td>
<td>Animal Systems in International Development</td>
<td>3</td>
</tr>
<tr>
<td>EC 410</td>
<td>Issues in the Economics of Developing Countries (W)</td>
<td>3</td>
</tr>
<tr>
<td>EEP 260</td>
<td>World Food, Population and Poverty</td>
<td>3</td>
</tr>
<tr>
<td>GEO 435</td>
<td>Geography of Health and Disease</td>
<td>3</td>
</tr>
<tr>
<td>GEO 454</td>
<td>Geography of Environment and Development</td>
<td>3</td>
</tr>
<tr>
<td>MC 320</td>
<td>Politics, Society and Economy in the Third World</td>
<td>4</td>
</tr>
<tr>
<td>PLS 342</td>
<td>Comparative Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>PLS 344</td>
<td>Politics of Developing Countries</td>
<td>3</td>
</tr>
<tr>
<td>PLS 347</td>
<td>Democratic Regimes</td>
<td>3</td>
</tr>
<tr>
<td>PLS 363</td>
<td>International and Domestic Political Conflict</td>
<td>3</td>
</tr>
<tr>
<td>SOC 310</td>
<td>Global Migration</td>
<td>3</td>
</tr>
<tr>
<td>SOC 362</td>
<td>Developing Societies</td>
<td>3</td>
</tr>
<tr>
<td>SOC 416</td>
<td>Global Regions</td>
<td>3</td>
</tr>
<tr>
<td>SOC 451</td>
<td>Dynamics of Population</td>
<td>3</td>
</tr>
<tr>
<td>SOC 452</td>
<td>Environment and Society</td>
<td>3</td>
</tr>
<tr>
<td>WS 403</td>
<td>Women and Change in Developing Countries</td>
<td>3</td>
</tr>
</tbody>
</table>

4. **Regional Courses**: Complete at least one course in any one of the following four geographic areas (3 or 4 credits):

**Africa and the Middle East**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANP 416</td>
<td>Anthropology of Southern Africa</td>
<td>3</td>
</tr>
<tr>
<td>ANP 419</td>
<td>Anthropology of the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>EC 414</td>
<td>Economic Analysis of Sub–Saharan Africa (W)</td>
<td>3</td>
</tr>
<tr>
<td>GEO 338</td>
<td>Geography of Africa</td>
<td>3</td>
</tr>
<tr>
<td>GEO 339</td>
<td>Geography of the Middle East and North Africa</td>
<td>3</td>
</tr>
<tr>
<td>HST 208</td>
<td>Introduction to African History, Culture and Society</td>
<td>4</td>
</tr>
<tr>
<td>HST 361</td>
<td>African History since 1800</td>
<td>3</td>
</tr>
<tr>
<td>HST 364</td>
<td>South Africa: From Shaka Zulu to Mandela</td>
<td>3</td>
</tr>
<tr>
<td>HST 373</td>
<td>The Modern Middle East: From Empires to Nation States</td>
<td>3</td>
</tr>
<tr>
<td>HST 450</td>
<td>Special Topics in African History</td>
<td>3</td>
</tr>
<tr>
<td>HST 484</td>
<td>Seminar in African History (W)</td>
<td>3</td>
</tr>
<tr>
<td>MC 324A</td>
<td>Regional Politics, Cooperation, and Conflict in the Middle East</td>
<td>4</td>
</tr>
<tr>
<td>MC 324B</td>
<td>Regional Politics, Cooperation, and Conflict in Sub–Saharan Africa</td>
<td>4</td>
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</table>

**Asia**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANP 414</td>
<td>Anthropology of South Asia</td>
<td>3</td>
</tr>
<tr>
<td>ANP 415</td>
<td>China: Culture and Society</td>
<td>3</td>
</tr>
<tr>
<td>ANP 437</td>
<td>Asian Emigrant Communities: A Global Perspective</td>
<td>3</td>
</tr>
<tr>
<td>EC 413</td>
<td>Economic Analysis of Asia (W)</td>
<td>3</td>
</tr>
<tr>
<td>GEO 337</td>
<td>Geography of Asia-Pacific</td>
<td>4</td>
</tr>
<tr>
<td>HST 210</td>
<td>Modern East Asia</td>
<td>4</td>
</tr>
<tr>
<td>HST 367</td>
<td>Imperial China</td>
<td>3</td>
</tr>
<tr>
<td>HST 368</td>
<td>China since 1900</td>
<td>3</td>
</tr>
<tr>
<td>HST 369</td>
<td>Japan to 1800</td>
<td>3</td>
</tr>
<tr>
<td>HST 370</td>
<td>Japan since 1800</td>
<td>3</td>
</tr>
<tr>
<td>HST 451</td>
<td>Special Topics in Asian History</td>
<td>3</td>
</tr>
<tr>
<td>HST 485</td>
<td>Seminar in Asian History (W)</td>
<td>3</td>
</tr>
</tbody>
</table>
PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MC 323</td>
<td>Japanese Foreign Policy</td>
<td>4</td>
</tr>
<tr>
<td>MC 324D</td>
<td>Regional Politics, Cooperation and Conflict in Asia</td>
<td>4</td>
</tr>
<tr>
<td>PLS 354</td>
<td>Politics of Asia</td>
<td>3</td>
</tr>
<tr>
<td><strong>Europe</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC 406</td>
<td>Economic Analysis of Russia and the Commonwealth of Independent States (W)</td>
<td>3</td>
</tr>
<tr>
<td>GEO 336</td>
<td>Geography of Europe</td>
<td>3</td>
</tr>
<tr>
<td>GEO 340</td>
<td>Geography of Eurasia</td>
<td>3</td>
</tr>
<tr>
<td>HST 336</td>
<td>Contemporary Europe, 1870 to Present</td>
<td>3</td>
</tr>
<tr>
<td>HST 342</td>
<td>Modern East-Central Europe</td>
<td>3</td>
</tr>
<tr>
<td>HST 344</td>
<td>Russia in the Twentieth Century</td>
<td>3</td>
</tr>
<tr>
<td>HST 348</td>
<td>Modern Germany</td>
<td>3</td>
</tr>
<tr>
<td>HST 452</td>
<td>Special Topics in European History</td>
<td>3</td>
</tr>
<tr>
<td>MC 328</td>
<td>Russian Foreign Policy</td>
<td>4</td>
</tr>
<tr>
<td>PLS 356</td>
<td>Politics of Europe and the European Union</td>
<td>3</td>
</tr>
<tr>
<td>PLS 358</td>
<td>Politics of the U.S.S.R. and Its Successor States</td>
<td>3</td>
</tr>
<tr>
<td><strong>Latin America and the Caribbean</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANP 410</td>
<td>Anthropology of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>EC 412</td>
<td>Economic Analysis of Latin America (W)</td>
<td>3</td>
</tr>
<tr>
<td>GEO 335</td>
<td>Geography of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HST 212</td>
<td>National Latin America</td>
<td>4</td>
</tr>
<tr>
<td>HST 382</td>
<td>Modern Brazil</td>
<td>3</td>
</tr>
<tr>
<td>HST 383</td>
<td>The Caribbean</td>
<td>3</td>
</tr>
<tr>
<td>HST 384</td>
<td>Modern Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HST 453</td>
<td>Special Topics in Latin American History</td>
<td>3</td>
</tr>
<tr>
<td>HST 486</td>
<td>Seminar in Latin American History (W)</td>
<td>3</td>
</tr>
<tr>
<td>MC 324C</td>
<td>Regional Politics, Cooperation, and Conflict in Latin America and the Caribbean</td>
<td>4</td>
</tr>
</tbody>
</table>

5. **Field Experience, Internship, Thesis, or Independent Study (3 or 4 credits):**
   Complete one of the following three options:
   a. An overseas field experience or internship in one of the four geographic areas listed in item 4. above.
   b. A domestic internship that involves working on global issues.
   c. A thesis or independent study under the direction of a faculty member.

6. **Senior–level Seminar Course (3 or 4 credits):**
   Complete one course with significant global content, approved by the College of Social Science academic advisor for the Global Studies in Social Science minor.

Effective Fall 2015.

3. **Change the award type of the Specialization in Peace and Justice Studies to Minor in Peace and Justice 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 Peace and Justice 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 Peace and Justice Studies** in the College of Social Science.

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

   The student must complete the following (15 credits):

   1. One of the following core courses focusing on basic concepts and assumptions of peace and justice, contexts of violence and domination, alternatives to violence and domination, and peace and justice as a practice (3 credits):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANP 436</td>
<td>Globalization and Justice: Issues in Political and Legal Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANP 439</td>
<td>Human Rights: Anthropological Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>PHL 353</td>
<td>Core Themes in Peace and Justice Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

   2. Complete 12 credits from the following. At least 9 credits must be at the 300-400 level and 3 credits must be in a subject outside the student's major. Courses must be approved by the undergraduate advisor for the Minor in Peace and Justice Studies to ensure appropriate amount of peace and justice studies content.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANP 220</td>
<td>Gender Relations in Comparative Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>ANP 236</td>
<td>The Anthropology of Peace and Justice</td>
<td>3</td>
</tr>
<tr>
<td>ANP 270</td>
<td>Women and Health: Anthropological and International Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>ANP 280</td>
<td>The Anthropological Film</td>
<td>3</td>
</tr>
<tr>
<td>ANP 321</td>
<td>Anthropology of Social Movements</td>
<td>3</td>
</tr>
<tr>
<td>ANP 325</td>
<td>Anthropology of the Environment and Development</td>
<td>3</td>
</tr>
<tr>
<td>ANP 330</td>
<td>Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity</td>
<td>3</td>
</tr>
<tr>
<td>ANP 410</td>
<td>Anthropology of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>ANP 426</td>
<td>Urban Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANP 430</td>
<td>Culture, Resources and Power</td>
<td>3</td>
</tr>
<tr>
<td>ANP 431</td>
<td>Gender, Environment and Development</td>
<td>3</td>
</tr>
<tr>
<td>CJ 220</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CJ 355</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 422</td>
<td>Comparative and Historical Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 425</td>
<td>Women and Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>COM 100</td>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>EAD 363</td>
<td>Diversity and Higher Education</td>
<td>3</td>
</tr>
<tr>
<td>EC 495</td>
<td>Economics of Poverty and Income Distribution (W)</td>
<td>3</td>
</tr>
<tr>
<td>EEP 260</td>
<td>World Food, Population and Poverty</td>
<td>3</td>
</tr>
<tr>
<td>GEO 418</td>
<td>The Ghetto</td>
<td>3</td>
</tr>
<tr>
<td>GEO 432</td>
<td>Environmental Ethics (W)</td>
<td>3</td>
</tr>
<tr>
<td>GSAH 310</td>
<td>Conflict and Justice in a Global Setting</td>
<td>3</td>
</tr>
<tr>
<td>GSAH 312</td>
<td>Media Mobility: Change, Access, Representation</td>
<td>3</td>
</tr>
<tr>
<td>HST 313</td>
<td>Women in the United States to 1869</td>
<td>3</td>
</tr>
<tr>
<td>HST 364</td>
<td>South Africa: From Shaka Zulu to Mandela</td>
<td>3</td>
</tr>
<tr>
<td>HST 392</td>
<td>History of the Holocaust</td>
<td>3</td>
</tr>
<tr>
<td>HST 414</td>
<td>World War II: Causes, Conduct and Consequences</td>
<td>3</td>
</tr>
<tr>
<td>HST 420</td>
<td>History of Sexuality since the 18th Century</td>
<td>3</td>
</tr>
<tr>
<td>HST 455</td>
<td>Special Topics in Modern History</td>
<td>3</td>
</tr>
<tr>
<td>HST 487</td>
<td>Seminar in Comparative History (W)</td>
<td>3</td>
</tr>
<tr>
<td>JRN 445</td>
<td>Images and Messages</td>
<td>3</td>
</tr>
<tr>
<td>JRN 475</td>
<td>International News and Government Regional Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>MC 280</td>
<td>Social Theory and Social Relations</td>
<td>4</td>
</tr>
<tr>
<td>MC 281</td>
<td>Immigrants, Minorities, and American Pluralism</td>
<td>4</td>
</tr>
<tr>
<td>MC 322</td>
<td>International Security</td>
<td>4</td>
</tr>
<tr>
<td>MC 324A</td>
<td>Regional Politics, Cooperation, and Conflict in the Middle East</td>
<td>4</td>
</tr>
<tr>
<td>MC 324B</td>
<td>Regional Politics cooperation, and Conflict in Sub-Saharan Africa</td>
<td>4</td>
</tr>
<tr>
<td>MC 324C</td>
<td>Regional Politics, Cooperation, and Conflict in Latin America and the Caribbean</td>
<td>4</td>
</tr>
</tbody>
</table>
### PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 324D</td>
<td>Regional Politics, Cooperation, and Conflict in Asia</td>
<td>4</td>
</tr>
<tr>
<td>MC 337</td>
<td>Global Public Health</td>
<td>4</td>
</tr>
<tr>
<td>MC 366</td>
<td>Film, History, and Nation</td>
<td>4</td>
</tr>
<tr>
<td>MC 369</td>
<td>Global Issues and Citizenship (W)</td>
<td>4</td>
</tr>
<tr>
<td>MC 377</td>
<td>Culture, Politics and Post-Colonialism</td>
<td>4</td>
</tr>
<tr>
<td>MC 382</td>
<td>Social Movements</td>
<td>4</td>
</tr>
<tr>
<td>MC 385</td>
<td>Comparative Race and Ethnic Relations</td>
<td>4</td>
</tr>
<tr>
<td>MC 386</td>
<td>Women and Power in Comparative Perspective</td>
<td>4</td>
</tr>
<tr>
<td>MC 387</td>
<td>Jews and Anti-Semitism</td>
<td>4</td>
</tr>
<tr>
<td>MC 388</td>
<td>Sexual Politics: Historical and Contemporary Perspectives</td>
<td>4</td>
</tr>
<tr>
<td>MC 482</td>
<td>Gender and Violent Conflict</td>
<td>3</td>
</tr>
<tr>
<td>PHL 291</td>
<td>Special Topics in Introductory Philosophy</td>
<td>3 to 4</td>
</tr>
<tr>
<td>PHL 342</td>
<td>Environmental Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHL 350</td>
<td>Introduction to Social and Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 351</td>
<td>African Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 354</td>
<td>Philosophy of Law</td>
<td>3</td>
</tr>
<tr>
<td>PHL 356</td>
<td>Philosophical Aspects of Feminism</td>
<td>4</td>
</tr>
<tr>
<td>PHL 357</td>
<td>Philosophy of Karl Marx</td>
<td>3</td>
</tr>
<tr>
<td>PHL 358</td>
<td>Philosophy, Gender, and Global Development</td>
<td>3</td>
</tr>
<tr>
<td>PHL 450</td>
<td>Liberal Theory and Its Critics</td>
<td>3</td>
</tr>
<tr>
<td>PHL 451</td>
<td>Philosophy and the Black Experience</td>
<td>3</td>
</tr>
<tr>
<td>PHL 452</td>
<td>Ethics and Development</td>
<td>3</td>
</tr>
<tr>
<td>PHL 453</td>
<td>Ethical Issues in Global Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PHL 454</td>
<td>Topics in Philosophy of Law</td>
<td>3</td>
</tr>
<tr>
<td>PHL 456</td>
<td>Topics in Feminist Philosophy</td>
<td>4</td>
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<tr>
<td>PLS 160</td>
<td>Introduction to International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PLS 320</td>
<td>The American Judicial Process</td>
<td>3</td>
</tr>
<tr>
<td>PLS 344</td>
<td>Politics of Developing Areas</td>
<td>3</td>
</tr>
<tr>
<td>PLS 363</td>
<td>International Political Conflict</td>
<td>3</td>
</tr>
<tr>
<td>RCAH 203</td>
<td>Transcultural Relations through the Ages</td>
<td>4</td>
</tr>
<tr>
<td>RCAH 390</td>
<td>Immersions in Language and Culture</td>
<td>2 to 4</td>
</tr>
<tr>
<td>SOC 215</td>
<td>Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>SOC 216</td>
<td>Sex and Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOC 331</td>
<td>Political Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 452</td>
<td>Environment and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOC 481</td>
<td>Social Movements and Collective Identities</td>
<td>3</td>
</tr>
<tr>
<td>WRA 115</td>
<td>Writing: Law and Justice in the United States</td>
<td>4</td>
</tr>
<tr>
<td>WRA 125</td>
<td>Writing: The American Ethnic and Racial Experience</td>
<td>4</td>
</tr>
<tr>
<td>WRA 130</td>
<td>Writing: American Radical Thought</td>
<td>4</td>
</tr>
<tr>
<td>WRA 140</td>
<td>Writing: Women in America</td>
<td>4</td>
</tr>
<tr>
<td>WS 301</td>
<td>Sexual Violence Against Women and Children: Theory and Response</td>
<td>3</td>
</tr>
<tr>
<td>WS 403</td>
<td>Women and Change in Developing Countries</td>
<td>3</td>
</tr>
</tbody>
</table>

3. Completion of a **Capstone Paper.** This paper may derive from one of the courses completed for requirements 1. or 2. It is intended to synthesize themes the student examined in the minor. A faculty member affiliated with the Minor in Peace and Justice Studies must approve the paper and inform the undergraduate advisor for Peace and Justice Studies of its satisfactory completion.

Effective Fall 2015.
5. Change the requirements for the **Bachelor of Science** degree in **Geographic Information Science** in the Department of Geography.

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

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB 118 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MTH 124 Survey of Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MTH 132 Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MTH 152H Honors Calculus I</td>
<td>3</td>
</tr>
</tbody>
</table>

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

   GEO 423 Cartographic Design and Production 4

   Add the following course:

   GEO 326 Cartographic Design and Production 4

   Effective Fall 2015.

6. Change the requirements for the **Master in Urban and Regional Planning** degree in **Urban and Regional Planning** in the School of Planning, Design and Construction. The University Committee on Graduate Studies (UCGS) approved this request at its March 9, 2015 meeting.

   a. Under the heading **Admission** delete the last sentence.

   b. Under the heading **Requirements for the Master in Urban and Regional Planning Degree with a Major in Urban and Regional Planning** make the following changes:

   (1) Change the total credits required for the degree from ‘39’ to ‘43’.

   (2) Under the heading **Requirements for Both Plan A and Plan B** make the following changes:

   (a) Change the total credits from ‘27’ to ‘28’.

   (b) Delete the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UP 424 Geographic Information Systems and Design Tools for Planning</td>
<td>3</td>
</tr>
<tr>
<td>UP 801 Concepts and Issues in Planning and Development</td>
<td>3</td>
</tr>
</tbody>
</table>

   (c) Add the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UP 801 Concepts and Issues in Planning and Development</td>
<td>4</td>
</tr>
<tr>
<td>UP 824 Geographic Information Systems and Design Tools for Planning</td>
<td>3</td>
</tr>
</tbody>
</table>

   (d) In item 2., change the total elective credits from ‘6’ to ‘9’.

   (3) Under the heading **Additional Requirements for Plan B** change item 1. to the following:

   Six additional credits in two courses approved by the student's academic advisor.

   c. Under the heading **Transfer Credits** change the maximum number of transfer credits from ‘9’ to ‘10’.
Note (per University policy): Some colleges with programs that require more than 30 credits for the degree may accept more than 9 credits in transfer, but not more than one-fourth of the total number of credits required for the master's degree may be accepted in transfer.

Effective Fall 2015.
PART II - NEW COURSES

COLLEGE OF ARTS AND LETTERS

JS 390  Special Topics in Jewish Studies
On Demand. 4(4-0) A student may earn a maximum of 8 credits in all enrollments for this course.
P: Completion of Tier I Writing Requirement R: Not open to freshmen.
   Topics in Jewish Studies, varied.
   Effective Fall 2015

JS 399  Independent Study  (W)
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. P: Completion of Tier I Writing Requirement R: Not open to freshmen.
Advanced individual reading and research related to Jewish Studies under faculty direction.
Effective Fall 2015

JS 400  Study Abroad in Jewish Studies  (W)
Fall of every year. Spring of every year. Summer of every year. 2 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement R: Not open to freshmen.
Selective course offerings on sponsored Jewish Studies Programs in Israel, including the MSU Jewish Studies Summer Program at the Hebrew University and the Nature, Culture, and Environmental Issues in a Green Israel programs.
Effective Fall 2015

JS 490H  Honors Independent Study  (W)
Fall of every year. Spring of every year. 2 to 4 credits. P: Completion of Tier I Writing Requirement RB: Significant work in Jewish Studies R: Not open to freshmen and open to students in the Honors College or approval of department.
Advanced honors individual reading and research related to Jewish Studies under faculty direction. Thesis.
Effective Fall 2015

JS 495  Seminar in Jewish Studies  (W)
Fall of every year. 3 to 4 credits. P: Completion of Tier I Writing Requirement R: Not open to freshmen or sophomores.
Seminar on Jewish Studies topics which serves as a capstone experience for Jewish Studies minors and engages them in research projects.
Effective Fall 2015

COLLEGE OF COMMUNICATION ARTS AND SCIENCES

CAS 114  Creativity and Innovative Entrepreneurship
Fall of every year. Spring of every year. Summer of every year. 3(3-0) Interdepartmental with Arts and Letters. Not open to students with credit in CAS 110.
   Creative processes, complex problem solving and innovative entrepreneurship.
   Examination of successful social, cultural and corporate thinkers and creators. Activities focused on inquiry, observation, experimentation and networking for situational problem solving.
   Effective Spring 2016
DEPARTMENT OF EDUCATIONAL ADMINISTRATION

EAD 907  Educational Policy for Immigrant and English Language Learner Students
Fall of odd years. 3(3-0)
Impact of recent increases in immigration on racial, ethnic, and linguistic diversity in
schools in the United States. Contemporary education policy issues that affect immigrant
and ELL students. Language learning policy. Social context of education for immigrant
and ELL students.
Effective Fall 2015

DEPARTMENT OF FAMILY MEDICINE

FM 641  Family Medicine Subinternship in the Late Clinical Experience
Fall of every year. Spring of every year. Summer of every year. 6 credits. P: HM 556 R: Open to
graduate-professional students in the College of Human Medicine.
Clinical experience in which students take primary responsibility for managing the care of
patients in a primary care setting under the supervision of attending physicians.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester
after the end of the semester of enrollment.
Effective Fall 2017

DEPARTMENT OF HISTORY

HST 812  History in the Digital Age
Fall of every year. 3(3-0)
Historical data mining. New technologies for historical data analysis. Methods for
digitizing historical materials. Web-based presentations of historical material.
Effective Fall 2015

COLLEGE OF HUMAN MEDICINE

HM 552  Medical School I
Fall of every year. 16 credits. A student may earn a maximum of 32 credits in all enrollments for
this course. R: Open to graduate-professional students in the College of Human Medicine.
A first course in a primary care, patient centered experience, integrating necessary
biomedical and social sciences and humanities with clinical skills and professional
development.
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 2015

HM 553  Medical School II
Spring of every year. 16 credits. A student may earn a maximum of 32 credits in all enrollments for
this course. P: HM 552 R: Open to graduate-professional students in the College of Human
Medicine.
Continuation of a primary care, patient centered experience, integrating necessary
biomedical and social sciences and humanities with clinical skills and professional
development. Includes Selectives to develop areas of strength and remediate gaps.
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 Spring 2016
HM 554  Medical School III
Summer of every year. 16 credits. A student may earn a maximum of 32 credits in all enrollments for this course. P: HM 553 R: Open to graduate-professional students in the College of Human Medicine.
Continuation of a set of selectives to develop areas of strength and remediate gaps. The beginning of an interdisciplinary, patient centered experience, integrating necessary biomedical and social sciences and humanities with clinical skills and professional development.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Summer 2016

HM 555  Medical School IV
Fall of every year. 16 credits. A student may earn a maximum of 32 credits in all enrollments for this course. P: HM 554 R: Open to graduate-professional students in the College of Human Medicine.
Continuation of an interdisciplinary, patient centered experience, integrating necessary biomedical and social sciences and humanities with clinical skills and professional development.
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 2016

HM 556  Medical School V
Spring of every year. 16 credits. A student may earn a maximum of 32 credits in all enrollments for this course. P: HM 555 R: Open to graduate-professional students in the College of Human Medicine.
Continuation of an interdisciplinary, patient centered experience, integrating necessary biomedical and social sciences and humanities with clinical skills and professional development. Includes selectives to develop areas of strength and remediate gaps.
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 Spring 2017

HM 632  Rural Community Health
Spring of every year. 6(6-0) A student may earn a maximum of 18 credits in all enrollments for this course. RB: Completion of preclinical requirements for the Leadership in Rural Medicine Certificate. R: Approval of college.
Patient centered and community based experience in rural medicine and rural medical health systems.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2013

HM 633  Advanced Rural Community Health
Spring of every year. 6(6-0) A student may earn a maximum of 18 credits in all enrollments for this course. RB: Completion of preclinical requirements for the Leadership in Rural Medicine Certificate. R: Approval of college.
Provide students with experiences in rural medicine and rural community health that will enable them to better address the medical needs of rural populations.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2013
PART II – NEW COURSES

HM 642  Critical Care in the Late Clinical Experience
Fall of every year. Spring of every year. Summer of every year. 6 credits. A student may earn a maximum of 18 credits in all enrollments for this course. P: (HM 556) and (MED 641 or PHD 641 or SUR 641) R: Open to graduate-professional students in the College of Human Medicine. Approval of college. Critical care experience in medicine
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Fall 2017

HM 651  Advanced Skills and Knowledge in Medical School I
Fall of every year. 2(2-0) A student may earn a maximum of 20 credits in all enrollments for this course. P: HM 556 R: Open to graduate-professional students in the College of Human Medicine. Interdisciplinary small group course for advanced medical students combining advanced clinical skills with deep exploration of scientific and humanities literature underlying these skills.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Fall 2017

HM 652  Advanced Skills and Knowledge in Medical School II
Spring of every year. 2(2-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: HM 651 R: Open to graduate-professional students in the College of Human Medicine. Interdisciplinary small group course for advanced medical students combining advanced clinical skills with deep exploration of scientific and humanities literature underlying these skills.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Spring 2018

HM 653  Advanced Skills and Knowledge in Medical School III
Summer of every year. 2(2-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: HM 652 R: Open to graduate-professional students in the College of Human Medicine. Interdisciplinary small group course for advanced medical students combining advanced clinical skills with deep exploration of scientific and humanities literature underlying these skills.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Summer 2018

HM 654  Advanced Skills and Knowledge in Medical School IV
Summer of every year. 2(2-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: HM 653 R: Open to graduate-professional students in the College of Human Medicine. Interdisciplinary small group course for advanced medical students combining advanced clinical skills with deep exploration of scientific and humanities literature underlying these skills.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Fall 2018
PART II – NEW COURSES

HM 655  Advanced Skills and Knowledge in Medical School V  
Spring of every year. 2(2-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: HM 654  R: Open to graduate-professional students in the College of Human Medicine.  
Interdisciplinary small group course for advanced medical students combining advanced clinical skills with deep exploration of scientific and humanities literature underlying these skills.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Spring 2019

SCHOOL OF HUMAN RESOURCES AND LABOR RELATIONS

HRLR 211  Introduction to Organizational Leadership  
Fall of every year. Spring of every year. 3(3-0)  
Leadership theories and research. Sources of power. Influence tactics.  
Effective Fall 2014

HRLR 311  Applied Organizational Leadership  
Fall of every year. Spring of every year. 3(3-0) P: HRLR 211  
Leadership skill development. Strategic choices for organizations.  
Effective Fall 2014

JAMES MADISON COLLEGE

MC 100  Freshmen Success Seminar  
Fall of every year. 1(1-0) R: Open to freshmen in the James Madison College or in the James Madison-No Major.  
Exploration of academic, social, personal and career decisions that students face in college, with a primary focus on the first year and the James Madison College experience.  
Effective Fall 2015

MSU COLLEGE OF LAW

LAW 566R  Agriculture Special Topics: Pesticides, Fertilizer, and Conservation  
On Demand. 0 to 6 credits. R: Open to master of laws students.  
Pesticide and fertilizers regulatory framework and conservation practices in the agriculture industry.  
Effective Summer 2015

LAW 804E  Writing in Practice  
Spring of every year. Summer of every year. 0 to 6 credits. R: Open to master of laws students.  
Writing documents used in American law practice  
Request the use of the Pass-Fail Grade (P-F) system.  
Effective Summer 2015

DEPARTMENT OF KINESIOLOGY

KIN 829  Safety and Injury Control  
Summer of every year. 3(3-0) P: KIN 872 or concurrently R: Approval of department.  
Health and safety of participants. Prevention, care, and management of injuries.  
Effective Summer 2015
PART II – NEW COURSES

KIN 865  Stages of Athlete Development
Spring of every year. 3(3-0) P: KIN 872 R: Approval of department. C: KIN 868 concurrently.
Motor skill, biological maturation, and physical growth issues.
Effective Spring 2016

KIN 868  Skill Development in Athletes
Spring of every year. 3(3-0) P: KIN 872 R: Approval of department. C: KIN 865 concurrently.
Best practices in developing skills. Age appropriate approaches. Maximizing abilities of
individuals and team success. Scouting methods and competitive sport approaches.
Effective Spring 2016

KIN 872  Coaching Science: Applied Research
Summer of every year. 3(3-0) R: Approval of department.
Coaching, sport leadership, science and best practices. Applied research and inquiry.
Effective Summer 2015

KIN 880  Sport and Leadership Practicum
Fall of every year. Spring of every year. Summer of every year. 3(1-4) P: (KIN 872 and KIN 856)
and ((KIN 855 or concurrently) or (KIN 857 or concurrently)) R: Approval of department.
 Supervised practical experiences in specific sport or leadership programs.
Effective Fall 2015

KIN 896  Integrative Capstone in Sport Coaching and Leadership
Summer of every year. 3(3-0) P: (KIN 829 or concurrently) and KIN 854 and KIN 855 and KIN 856
and KIN 857 and KIN 865 and KIN 868 and KIN 872 and KIN 880 R: Approval of department.
Integrative capstone in coaching science, best practices, leadership, and management in
sport.
Request the use of the Pass-No Grade (P-N) system.
Effective Summer 2016

DEPARTMENT OF MEDICINE

MED 641 Internal Medicine Subinternship in the Late Clinical Experience
Fall of every year. Spring of every year. Summer of every year. 6 credits. P: HM 556 R: Open to
graduate-professional students in the College of Human Medicine.
Clinical experience in which students take primary responsibility for managing the care of
adult patients under the supervision of senior residents and/or attending physicians
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester
after the end of the semester of enrollment.
Effective Fall 2017

COLLEGE OF MUSIC

MUS 840 Chamber Music Literature with Piano
Fall of every year. 2(2-0) R: Open to graduate students in the College of Music.
A survey of chamber music literature with piano from the Baroque period to the present. Explores
the role of the piano in chamber ensembles. Offers performance practice and
historical/theoretical guidance.
Effective Fall 2015

MUS 857 Seminar in Choral Literature
Fall of every year. Spring of every year. Summer of every year. 2(2-0) A student may earn a
maximum of 16 credits in all enrollments for this course. R: Open to graduate students in the
College of Music.
Various topics from the history of choral music. Topics vary by semester but may focus on
works of a particular style period or of a particular genre.
Effective Fall 2015
DEPARTMENT OF OBSTETRICS, GYNECOLOGY AND REPRODUCTIVE BIOLOGY

OGR 641  Obstetrics and Gynecology Clerkship in the Late Clinical Experience
Fall of every year. Spring of every year. Summer of every year. 6 credits. P: HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Diagnosis and management of common patient problems in obstetrics and gynecology.
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 2017

DEPARTMENT OF PEDIATRICS AND HUMAN DEVELOPMENT

PHD 641  Pediatric Subinternship in the Late Clinical Experience
Fall of every year. Spring of every year. Summer of every year. 6 credits. P: HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Clinical experience in which students take primary responsibility for managing the care of pediatric patients under the supervision of senior residents and/or attending physicians.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Fall 2017

DEPARTMENT OF PLANNING, DESIGN AND CONSTRUCTION

UP 824  Geographic Information Systems and Design Tools for Planning
Spring of every year. 3(0-3) R: Open to graduate students in the Master in Urban and Regional Planning or approval of school.
Introduction to geographic information systems and its applicability to planning. Methods and techniques for analyzing land use and planning issues.
Effective Fall 2015

DEPARTMENT OF PLANT BIOLOGY

PLB 801  Foundations of Plant Biology
Fall of every year. 3(3-0)
An introduction to the history and current status of major research questions in plant biology, and approaches used to answer them.
Effective Fall 2015

PLB 804  Frontiers in Plant Biology
Spring of every year. 2(2-0)
Introduction to new and emerging research directions in the plant sciences, and provide tools needed for professional development.
Effective Fall 2015
PART II – NEW COURSES

DEPARTMENT OF PSYCHIATRY

PSC 641 Psychiatry and Behavioral Science Clerkship in the Late Clinical Experience
Fall of every year. Spring of every year. Summer of every year. 6 credits. P: HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Supervised practice with in-patient, out-patient, emergency, and community mental health services.
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 2017

DEPARTMENT OF SURGERY

SUR 641 Surgery in the Late Clinical Experience I
Fall of every year. Spring of every year. Summer of every year. 6 credits. P: HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Diagnosis and management of common patient problems in the general surgical setting
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 2017

SUR 642 Surgery in the Late Clinical Experience II
Fall of every year. Spring of every year. Summer of every year. 6 credits. P: HM 556 and SUR 641 R: Open to graduate-professional students in the College of Human Medicine.
Diagnosis and management of common patient problems in surgical subspecialties
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 2017

DEPARTMENT OF TEACHER EDUCATION

TE 908 Sociohistorical Perspectives on English Language Learners and Second Language Education in the US
Spring of even years. 3(3-0)
Social and historical contexts in which languages are used, taught, and learned and how they have a profound impact on linguistic practice and language acquisition processes at school and in society at large.
Effective Fall 2015

TE 909 English Language Learners in Content Areas: Constructing Research Communities and Resources
Spring of odd years. 3(3-0) R: Open to doctoral students.
Multiple perspectives on communities and resources for teaching and learning content areas in contexts with English learners. Issues of equity and implications for non-English learners will also be discussed.
Effective Spring 2017

TE 938 Qualitative Data Analysis
Fall of every year. 3(3-0)
Qualitative data analysis tools and techniques; approaches and theories that inform and guide the analysis, interpretation, and representation of qualitative data.
Effective Fall 2015
PART II – NEW COURSES

TE 939A  Special Topics in Advanced Qualitative Methodology
Fall of even years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
   Special topics in advanced methods of qualitative research in education.
   Effective Fall 2015

TE 939B  Advanced Qualitative Methods: Critical Ethnography
Spring of odd years. 3(3-0)
   Critical theories—postmodernism, poststructuralism, postcolonialism, feminism, queer theory—and their implications for conceptualizing, conducting, analyzing, and representing one’s research. Political and ethical dimensions inherent in qualitative research as well as the amalgamation of epistemology, ontology, and methods into a coherent and purposeful methodology that is ethical, reciprocal, and praxical.
   Effective Fall 2015

TE 939C  Advanced Qualitative Methods: Discourse Analysis
Spring of even years. 3(3-0)
   Discourse analytic approaches to research in education and related areas of inquiry through an interdisciplinary lens and traditions that range from interactional sociolinguistics and narrative analysis to conversation analysis and critical discourse analysis.
   Effective Fall 2015

TE 939D  Advanced Qualitative Methods: Case Studies
Spring of even years. 3(3-0)
   Aims and methods of case study research; conceptions of case study research as well as interpretive methods frequently used in case studies, including ethnographic observations, textual analysis, multimodal/video analysis, interviews, and focus groups.
   Effective Fall 2015

TE 939E  Advanced Qualitative Methods: Humanities Oriented Research
Fall of odd years. 3(3-0)
   Research traditions in history, philosophy, literary criticism, arts, narrative inquiry, language, communication arts, ethics, religion, curriculum theory, and cultural studies.
   Epistemology, theory, arts, values, and history of science.
   Effective Fall 2015

TE 939F  Advanced Qualitative Methods: Phenomenology
Spring of odd years. 3(3-0)
   Phenomenological methodologies to study the caring professions (education and related fields). Exploring participants’ subjective experiences and interpretations of the phenomenon being studied.
   Effective Fall 2015

TE 939G  Advanced Qualitative Methods: Humanizing Research—Decolonizing Qualitative Inquiry
Fall of even years. 3(3-0)
   Conducting qualitative research for justice with individuals and groups who are marginalized by systems of inequality; contemporary methodological dilemmas and innovations. Building relationships of dignity and care; reciprocity and dialogic consciousness-raising; and ways in which research might be considered an answer to pressing social and educational problems.
   Effective Fall 2015
PART III – COURSE CHANGES

DEPARTMENT OF ANIMAL SCIENCE

ANS 418  Comprehensive Nutrient Management Planning
Animal Agriculture and the Environment
Fall of every year. 3(2-2) Interdepartmental with Biosystems Engineering. P: (BS 161 or LB 145 or BS 181H) and (CEM 143 or CEM 251) RB: CSS 210
Comprehensive nutrient management plans (CNMP) for animal feeding operations.
Trends in animal production, environmental issues, and diet formulation and their impact on manure production. Development of CNMP for a specific animal feeding operation.
Effective Spring 2014 Effective Summer 2016

COLLEGE OF ARTS AND LETTERS

AL 101  Arts and Letters Freshman Experience
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: First-year student majoring in the College of Arts and Letters R: Open to freshmen in the College of Arts and Letters.
PCR  Foundation for optimizing educational experiences in the liberal and creative arts and humanities.
Effective Summer 2011 Effective Summer 2015

AL 192  Arts and Humanities First-Year Seminar
Fall of every year. Spring of every year. 4(4-0) P: (WRA 1004) or designated score on English Placement test
PCR  Theme-based exploration of connections across arts and humanities disciplines.
Development of skills necessary for successful study of arts and humanities. Significant writing component including drafting, revising, and editing compositions to develop skills in narration, persuasion, analysis, and documentation.
SA: AL 192H
Effective Fall 2008 Effective Summer 2015

AL 192H  Arts and Humanities First-Year Seminar
Fall of every year. Spring of every year. 4(4-0) R: Open to freshmen or approval of college.
PCR  Theme-based exploration of connections across arts and humanities disciplines.
Development of skills necessary for successful study of arts and humanities. Significant writing component including drafting, revising, and editing compositions to develop skills in narration, persuasion, analysis, and documentation.
Effective Fall 2008 Effective Summer 2015

AL 200  Cultural Difference and Study Abroad
Fall of every year. 3(3-0)
PCR  Tools for understanding and interacting with individuals from different cultural backgrounds. Awareness of and sensitivity to cultural difference and the role of language study in understanding cultural difference. Preparation for continued study of and exposure to different cultures and languages through study abroad.
Effective Fall 2006 Effective Summer 2015

AL 250  Career Strategies for Arts and Letters Students
Fall of every year. Spring of every year. 2(2-0) 1(1-0) RB: Declared major preference in the College of Arts and Letters. R: Open to undergraduate students in the College of Arts and Letters.
PCR  Identify, explore, and prepare for suitable career options. Topics include self-assessment, career development strategies, and job search skills.
Effective Summer 2006 Effective Summer 2016
PART III – COURSE CHANGES

AL 285  Introduction to Digital Humanities
Fall of every year. 3(3-0) R: Open to undergraduate students in the College of Arts and Letters.

   Effective Fall 2009 Effective Summer 2015

AL 340  Digital Humanities Seminar
Spring of every year. 3(3-0) P: (AL 285 or approval of college) and completion of Tier I writing requirement R: Approval of college.

PCR  Digital humanities issues and research explored from a variety of humanities-based perspectives.
   Effective Spring 2012 Effective Summer 2015

AL 400  Study Abroad in Arts and Letters
Fall of every year. Spring of every year. Summer of every year. 2 to 8 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Not open to freshmen. Approval of college.

PCR  Supervised study of selected topics in the arts, languages, history, philosophy, and religious studies, in relation to particular cultural sites, museums and institutions.
   Effective Summer 2012 Effective Summer 2015

AL 431  European Fairy Tale Tradition
Summer of every year. 3(3-0) R: Not open to freshmen or sophomores.

PCR  Integrative exploration of fairy tale genre through time and cultures, introduced through multiple disciplines within Arts and Letters.
   Effective Summer 2012 Effective Summer 2015

AL 480  Digital Humanities Portfolio Workshop
Spring of every year. 3(3-0) P: ((AL 285 and AL 340) and completion of Tier I writing requirement) and ((AL 491 or concurrently) or (AL 493D or concurrently)) R: Open to seniors. Approval of college.

PCR  Workshop covering key topics and approaches in digital humanities, preparing professional portfolios in print and digital formats, including application materials for career, graduate study, and professional positions.
   Effective Summer 2012 Effective Summer 2015

AL 485  Foundations of Museum Studies
Fall of every year. 3(3-0) Interdepartmental with Anthropology and History of Art. R: Not open to freshmen or sophomores. R: Open to juniors or seniors or graduate students.

PCR  Activities, functions, and organization of museums. Changing role of museums as cultural institutions.
   SA: HA 485
   Effective Summer 2005 Effective Fall 2015

AL 488  Museum Curatorial Practices
Fall of odd years. Spring of every year. 3(3-0) Interdepartmental with Anthropology and History of Art. R: Open only to juniors or seniors or graduate students.

PCR  Methods and practices for the development, care, and use of museum collections in research, education, and exhibition activities.
   SA: HA 488
   Effective Summer 2005 Effective Fall 2015

AL 490  Independent Study
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 8 credits in all enrollments for this course. P: Completion of Tier I writing requirement. R: Approval of college.

PCR  Special project, directed reading and research arranged by an undergraduate student and a faculty member in areas supplementing regular course offerings.
   Effective Spring 2003 Effective Summer 2015
PART III – COURSE CHANGES

AL 491  Special Topics
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 college. R: Open to juniors
or seniors or graduate students.

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

Effective Summer 1998  Effective Fall 2015

AL 492  Special Topics in Museum Studies
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. Interdepartmental
with Anthropology and History of Art. A student may earn a maximum of 6 credits in all enrollments
for this course. R: Open only to juniors or seniors or graduate students.  R: Open to juniors or
seniors or graduate students.

PCR  Special topics supplementing regular course offerings.

SA: HA 492

Effective Summer 2005  Effective Fall 2015

AL 493A  Arts and Letters Internship
Fall of every year. Spring of every year. Summer of every year. 2 to 8 credits. A student may earn a
maximum of 8 credits in all enrollments for this course. P: Completion of Tier I writing requirement.
RB: 12 credits in the major. R: Not open to freshmen and sophomores. Approval of college.  R: Not
open to sophomores.  Approval of college.  A student may earn a maximum of 8 credits in AL 493A
and AL 493B combined.

PCR  Supervised preprofessional field experience in the arts and humanities.

Request the use of the Pass-No Grade (P-N) system.

Effective Fall 1992  Effective Summer 2015

AL 493B  Arts and Letters International Internship
Fall of every year. Spring of every year. Summer of every year. 2 to 12 credits. A student may earn
a maximum of 12 credits in all enrollments for this course. P: Completion of Tier I Writing
Requirement RB: 12 credits in major. R: Not open to freshmen and not open to sophomores.
Approval of college.

PCR  Supervised preprofessional international field experience in the arts and humanities.

Request the use of the Pass-No Grade (P-N) system.

Request the use of ET-Extension to postpone grading.

The work for the course must be completed and the final grade reported within 1 semester
after the end of the semester of enrollment.

Effective Summer 2010  Effective Summer 2015

AL 493D  Digital Humanities Internship
Fall of every year. Spring of every year. Summer of every year. 3 to 4 credits. P: (AL 285) and
completion of Tier I writing requirement R: Open to seniors.  Approval of college.

PCR  Supervised preprofessional field experience in digital humanities.

Effective Fall 2010  Effective Summer 2015

AL 494  Museum Exhibitions: Theory and Development
Fall of every year. Spring of every year. 3(2-2) Interdepartmental with History of Art.
Interdepartmental with Anthropology and History of Art R: Open only to juniors or seniors or
graduate students. R: Open to juniors or seniors or graduate students.

PCR  Theoretical and practical approaches to the planning, design, development, installation,
and evaluation of museum exhibitions. Field Trip required. Theoretical and practical
approaches to the planning, design, development, installation, and evaluation of museum
exhibitions.

SA: AL 486, HA 494

Effective Summer 2005  Effective Summer 2016
AL 496  Museum Studies Internship  
Fall of every year. Spring of every year. Summer of every year. 3 credits. Interdepartmental with History of Art. A student may earn a maximum of 6 credits in all enrollments for this course. P: AL 485 RB: AL 498 and AL 494 R: Approval of college.  
PCR  
A capstone course consisting of supervised professional experience in learning environments such as museums, zoos, botanical gardens, and historic homes. Request the use of the Pass-No Grade (P-N) system. Request the use of ET-Extension to postpone grading. The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Summer 2014 Effective Summer 2015

AL 498  Learning in Museums  
Spring of every year. 3(3-0) Interdepartmental with History of Art and Park, Recreation and Tourism Resources. RB: AL 485 R: Open only to juniors or seniors or graduate students. R: Open to juniors or seniors or graduate students.  
PCR  
Theoretical and practical approaches to understanding and enhancing ways visitors experience museums, zoos, botanical gardens, and other informal learning environments. Creating educational programs, exhibits, and media.  
SA: HA 487  
Effective Summer 2005 Effective Summer 2015

DEPARTMENT OF COMMUNITY SUSTAINABILITY

FAL 858  Gender, Justice and Environmental Change: Issues and Concepts  
Fall of every year. 3(3-0) Interdepartmental with Anthropology and Criminal Justice and Forestry and Geography and Sociology. Background in social science, environmental science, or natural resources. Issues and concepts related to gender, ecology, and environmental studies. Key debates and theoretical approaches to addressing environmental issues from a gender and social justice perspective. Gender and environment issues and processes from a global perspective.  
Effective Summer 2012 Effective Summer 2016

DEPARTMENT OF COUNSELING, EDUCATIONAL PSYCHOLOGY AND SPECIAL EDUCATION

CEP 801  Psychological Development: Learner Differences and Commonalities  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) Development of differences and commonalities in learners across the lifespan. Contextual influences on development. Implications for learning in schools and other settings.  
Effective Spring 2015 Effective Fall 2015

DEPARTMENT OF ECONOMICS

EC 821B  Cross Section and Panel Data Econometrics II  
Spring of every year. 3(3-0) Interdepartmental with Agricultural Economics and Finance and Statistics and Probability. Analyses of quasi-maximum likelihood estimation, count data models, fractional response models, duration models, sample selection and attrition, stratified sampling, estimating treatment effects, stochastic frontier models, and other advanced topics.  
Effective Fall 2008 Effective Summer 2016
DEPARTMENT OF ENGLISH

FLM 200  Film Collective
Fall of every year. Spring of every year. 4(1-0) 1(1-1)
Film Collective screening seminar.
Request the use of the Pass-No Grade (P-N) system.
 Effective Spring 2015 Effective Fall 2015

ENG 335  Film Directing
FLM 335  Fall of every year. 4(2-4) 3(3-1) Interdepartmental with Telecommunication. Interdepartmental with Media and Information P: (ENG 230 and TC 243) and completion of Tier I writing requirement P: (FLM 230 or concurrently) and (CAS 112 or concurrently) R: Approval of department; application required.
Concepts and techniques for directing in styles most associated with the art of film.
SA: ENG 335
 Effective Fall 2009 Effective Summer 2016

ENG 435A  Creating the Fiction Film I
FLM 435A  Fall of every year. 2(2-2) 3(3-1) Interdepartmental with Telecommunication. Interdepartmental with Media and Information P: ENG 335 P: FLM 335 R: Approval of department.
Creation of a short film, including scripting, conceptualization and planning, shooting, and rough editing.
SA: ENG 435A
 Effective Fall 2009 Effective Summer 2016

ENG 435B  Creating the Fiction Film II
FLM 435B  Spring of every year. 2(2-2) 3(3-1) Interdepartmental with Telecommunication. Interdepartmental with Media and Information P: ENG 435A P: FLM 435A R: Approval of department.
Finishing a short film, including fine editing, color correction, sound design, and foley work. Developing web promotion, marketing strategies, and distribution.
Finishing a short film, including fine editing, color correction, sound design, and foley work. Developing web promotion, marketing strategies, and distribution.
SA: ENG 435B
 Effective Spring 2010 Effective Summer 2016

FLM 460  Seminar in Digital Film and Emergent Media (W)
Fall of every year. 3(3-0) P: (((FLM 230 or concurrently) and FLM 260) or approval of department) and completion of Tier I writing requirement P: ((FLM 230 or concurrently) or approval of department) and completion of Tier I writing requirement
Seminar emphasizing the intersections of the theoretical and practical applications of digital film and other emergent media.
 Effective Spring 2015 Effective Fall 2015

DEPARTMENT OF HISTORY

HST 334B  Europe in the Age of Absolutism
Seventeenth-Century Europe
Spring of odd years. 3(3-0)
SA: HST 334
 Effective Spring 2015 Effective Summer 2016
PART III – COURSE CHANGES

HST 342  Modern East-Central Europe
Modern Eastern Europe
Fall of every year. 3(3-0)
Roots of national and social conflict in the lands between Germany and Russia, from the
Baltic to the Balkans, in the 19th and 20th centuries. Formation of independent states, the
rise and collapse of Communism, and ethnic tensions in former Yugoslavia.
Effective Fall 2014 Effective Summer 2016

HST 900  Seminar on the History Dissertation
Research and Pedagogy in Digital History
Spring of every year. 3(3-0) 1 to 4 credits. A student may earn a maximum of 4 credits in all
enrollments for this course. P: HST 812 or approval of department R: Approval of department.
Preparation for the dissertation. Formulating research questions, identifying sources,
interpreting sources, using theory, doing research, organizing your work, writing and
revision. Practical and theoretical issues related to digital research, scholarship, and
teaching. Identifying and using digital research tools. Creating/presenting digital
scholarship. Online teaching methods. Digital methods in the classroom and for public
history.
Effective Fall 2005 Effective Summer 2016

JAMES MADISON COLLEGE

MC 400  Field Experience
Fall of every year. Spring of every year. Summer of every year. 5 to 9 credits. 3 to 9 credits. R:
Open to juniors or seniors in the James Madison College.
Practical internship experience with a public, private, or non-profit organization engaged in
making, influencing, implementing, or analyzing policy relevant to college program.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2014 Effective Summer 2016

DEPARTMENT OF KINESIOLOGY

KIN 854  Legal and Administrative Issues for Administrators and Coaches
Spring of every year. 3(3-0)
Responsibilities of administrators, directors of recreational programs and athletic coaches
for providing and maintaining educationally sound athletic programs for amateur athletes.
Concepts, policies and procedures that enhance the physical and psychological health of
amateur athletes. Obligations for managing the risks of participation in physical activities.
Effective Spring 2015 Effective Summer 2015

KIN 855  Psychosocial Bases of Coaching Athletes
Fall of every year. 3(3-0)
Responsibilities of athletic administrators, directors of recreational programs and athletic
coaches for the sociological, psychological, philosophical, developmental, and
instructional principles for coaching amateur athletes. Development of a coaching
philosophy and application of scientific findings to practical situations.
Effective Spring 2015 Effective Summer 2015

KIN 856  Physical Bases of Coaching Athletes
Summer of every year. 3(3-0)
Principles of anatomy, biomechanics, and physiology for coaching amateur athletes in
various sports. Relationships between the biological bases of coaching and physical
conditioning, performance enhancement and the prevention, care, and rehabilitation of
injuries. Principles of anatomy, biomechanics, and physiology for coaching amateur
athletes in various sports. Relationships between the biological bases of coaching and
physical conditioning, and performance enhancement.
Effective Fall 2003 Effective Summer 2015
KIN 857  Promoting Positive Youth Development Through Sport
Fall of every year. 3(3-0) P: KIN 872 or approval of department R: Approval of department.
Educational athletic programs for youth. Positive youth development through sports. Coaching and mentoring.
Effective Fall 2009 Effective Summer 2015

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

LLT 307  Methods of Second and Foreign Language Teaching
Fall of every year. Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement
National and international approaches, methods, materials, settings, needs, and characteristics of ESL and foreign language students. Survey, evaluation, and application of major effective methods and materials.
SA: ENG 307
Effective Summer 2011 Effective Summer 2015

DEPARTMENT OF MICROBIOLOGY AND MOLECULAR GENETICS

ZOL 141  Introductory Human Genetics
MMG 141  Fall of every year. Spring of every year. 3(3-0) R: Not open to students in the Biochemistry and Molecular Biology major or in the Biological Science major or in the Clinical Laboratory Science major or in the Entomology major or in the Genetics major or in the Human Biology major or in the Microbiology major or in the Physiology major or in the Plant Biology major or in the Zoology major.
R: Not open to students in the Biochemistry and Molecular Biology major or in the Biological Science major or in the Clinical Laboratory Science major or in the Entomology major or in the Genetics major or in the Human Biology major or in the Microbiology major or in the Physiology major or in the Plant Biology major or in the Zoology major or in the Biomedical Laboratory Science major or in the Environmental Biology/Genomics major or in the Environmental Biology/Plant Biology major or in the Environmental Biology/Zoology major or in the Genomics and Molecular Genetics major or in the Neuroscience major and not open to students in the Lyman Briggs Biochemistry and Molecular Biology Coordinate Major or in the Lyman Briggs Biomedical Laboratory Science-Interdepartmental Coordinate Major or in the Lyman Briggs Environmental Biology/Plant Biology Coordinate Major or in the Lyman Briggs Environmental Biology/Zoology Coordinate Major or in the Lyman Briggs Genomics and Molecular Genetics Coordinate Major or in the Lyman Briggs Human Biology Coordinate Major or in the Lyman Briggs Neuroscience Major or in the Lyman Briggs Microbiology Coordinate Major. Not open to students with credit in ZOL 341.
SA: ZOL 141
Effective Spring 2014 Effective Summer 2016

COLLEGE OF MUSIC

MUS 112  Chamber Music
Fall of every year. Spring of every year. 1(1-1) A student may earn a maximum of 10 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Rehearsal and performance of a broad range of chamber music literature.
Effective Fall 2002 Effective Fall 2015

MUS 113  Philharmonic Orchestra
Fall of every year. Spring of every year. 1(0-5) A student may earn a maximum of 10 credits in all enrollments for this course. RB: High school and/or youth orchestra experience/or other college or university ensemble experience R: Audition required.
PCR  Rehearsal and performance of symphonic and operatic repertoire.
Effective Fall 2002 Effective Fall 2015
MUS 114  Marching Band
Fall of every year. 1(0-9) A student may earn a maximum of 6 credits in all enrollments for this course. R: Audition required.
PCR  Rehearsal and performance of broad range of marching band literature at football games. Request the use of the Pass-No Grade (P-N) system.
   Effective Fall 2007  Effective Fall 2015

MUS 115  Spartan Brass
Spring of every year. 1(0-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Audition required.
PCR  Rehearsal and performance of broad range of brass literature at basketball and hockey games. Request the use of the Pass-No Grade (P-N) system.
   Effective Fall 2007  Effective Fall 2015

MUS 116  Campus Band
Fall of every year. Spring of every year. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course.
PCR  Rehearsal and performance of broad range of band literature chosen from baroque period to the present.
   Effective Fall 2007  Effective Fall 2015

MUS 117  Concert Band
Fall of every year. Spring of every year. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
PCR  Rehearsal and performance of broad range of wind literature from various historical periods and styles.
   Effective Fall 2007  Effective Fall 2015

MUS 118  Wind Symphony
Fall of every year. Spring of every year. 1(0-6) A student may earn a maximum of 10 credits in all enrollments for this course.
PCR  Rehearsal and performance of broad range of wind literature from various periods and styles.
   Effective Fall 2007  Effective Fall 2015

MUS 119  Symphony Band
Fall of every year. Spring of every year. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
PCR  Rehearsal and performance of a broad range of wind and percussion literature.
   Effective Fall 2007  Effective Fall 2015

MUS 120  Symphony Orchestra
Fall of every year. Spring of every year. 1(0-6) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.
PCR  Rehearsal and performance of symphonic and operatic repertoire.
   Effective Fall 2007  Effective Fall 2015

MUS 122  Concert Orchestra
Fall of every year. Spring of every year. 1(0-2) A student may earn a maximum of 10 credits in all enrollments for this course.
PCR  Rehearsal and performance of symphonic and concert literature written for large orchestra. Conducted by staff conductors under the supervision of faculty.
   Effective Fall 2007  Effective Fall 2015

MUS 123  Campus Choir
Fall of every year. Spring of every year. 1(0-2) A student may earn a maximum of 10 credits in all enrollments for this course.
PCR  Rehearsal and performance of representative literature for mixed choir with emphasis on world music.
   Effective Summer 2015  Effective Fall 2015
MUS 124  Choral Union
Fall of every year. Spring of every year. 1(0-2) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.

PCR  University and community chorus. One evening rehearsal per week, culminating in performance of a major work with orchestra.
   Effective Fall 2007  Effective Fall 2015

MUS 125  Glee Club, Men and Women
Fall of every year. Spring of every year. 1(0-3) A student may earn a maximum of 10 credits in all enrollments for this course.

PCR  Rehearsal and performance of broad range of choral literature chosen from medieval period to the present.
   Effective Fall 2007  Effective Fall 2015

MUS 126  State Singers
Fall of every year. Spring of every year. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.

PCR  Mixed choir performing music from all periods.
   Effective Fall 2007  Effective Fall 2015

MUS 127  University Chorale
Fall of every year. Spring of every year. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.

PCR  Mixed chamber choir for experienced singers performing representative literature from all periods.
   Effective Fall 2007  Effective Fall 2015

MUS 129  Percussion Ensemble
Fall of every year. Spring of every year. 1(1-3) A student may earn a maximum of 10 credits in all enrollments for this course.

PCR  Rehearsal and performance of representative works for percussion and mallet ensembles.
   Effective Fall 2007  Effective Fall 2015

MUS 130  Jazz Band
Jazz Orchestra
Fall of every year. Spring of every year. 1(0-4) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.

PCR  Rehearsal and performance in large jazz ensemble. Literature from classic bands of Ellington and Basie to contemporary composers. Rehearsal and performance in large jazz ensemble. The ensemble performs literature from classic bands of Ellington and Basie to contemporary composers.
   Effective Fall 2007  Effective Summer 2016

MUS 131  Jazz Combo
Fall of every year. Spring of every year. 1(1-2) A student may earn a maximum of 10 credits in all enrollments for this course. R: Audition required.

PCR  Rehearsal and performance in small jazz ensembles. Literature from all historical periods of jazz. Rehearsal and performance in small jazz ensembles. The ensemble performs literature from all historical periods of jazz.
   Effective Fall 2007  Effective Fall 2015

MUS 141  Class Instruction in Piano I
Fall of every year. 1(1-0) R: Open to students in the College of Music.

PCR  Use of the piano as a teaching tool.
   Effective Spring 2011  Effective Fall 2015

MUS 142  Class Instruction in Piano II
Spring of every year. 1(1-1) RB: MUS 141 R: Open to students in the College of Music.

PCR  Use of the piano as a teaching tool.
   Effective Spring 2009  Effective Fall 2015
MUS 143  English Diction for Singers
Fall of every year. 1(1-1) R: Open to students in the College of Music. C: MUS 151 concurrently.
   Effective Fall 2007 Effective Fall 2015

MUS 144  Italian Diction for Singers
Spring of every year. 1(1-1) P: MUS 143 R: Open to students in the College of Music. C: MUS 151 concurrently.
   Effective Fall 2007 Effective Fall 2015

MUS 145  Class Instruction in Voice I
Fall of every year. Spring of every year. 1(1-1)
PCR  Rules of pronunciation. Vocal techniques.
   Effective Fall 2008 Effective Fall 2015

MUS 149  Keyboard Skills
Fall of even years. 1(0-2) A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Sight-reading, transposing, figured bass, keyboard harmony, and accompanying instrumentalists and vocalists. Sight-reading, transposing, figured bass, keyboard harmony.
   Effective Fall 2008 Effective Fall 2015

MUS 150A  Piano
Fall of every year. Spring of every year. 2 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Private instruction in piano.
   Effective Summer 2008 Effective Fall 2015

MUS 150C  Harp
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Private instruction in harp.
   Effective Fall 2007 Effective Fall 2015

MUS 150J  Piano: Jazz
Fall of every year. Spring of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the College of Music. R: Open to undergraduate students in the Jazz Studies Major.
PCR  Private instruction in piano, Private instruction in jazz piano.
   Effective Fall 2007 Effective Fall 2015

MUS 150M  Piano for Piano Minors
Fall of every year. Spring of every year. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of college.
PCR  Piano for piano minors.
   Effective Spring 2008 Effective Fall 2015

MUS 151  Voice
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Private instruction in voice.
   Effective Fall 2007 Effective Fall 2015
MUS 151J  Voice: Jazz
Fall of every year. Spring of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Private instruction in voice.
      **Effective Fall 2007 Effective Fall 2015**
MUS 151N  Voice for Non-Music Majors
Fall of every year. Spring of every year. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to undergraduate students.
PCR  Private voice lessons for non-music majors.
      **Effective Summer 2009 Effective Fall 2015**
MUS 152A  Violin
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Private instruction in violin.
      **Effective Fall 2007 Effective Fall 2015**
MUS 152B  Viola
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Private instruction in viola.
      **Effective Fall 2007 Effective Fall 2015**
MUS 152C  Cello
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Private instruction in cello.
      **Effective Fall 2007 Effective Fall 2015**
MUS 152D  Double Bass
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Private instruction in double bass.
      **Effective Fall 2007 Effective Fall 2015**
MUS 152J  Stringed Instruments: Jazz
Fall of every year. Spring of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the College of Music. R: Open to undergraduate students in the Jazz Studies Major.
PCR  Private instruction in a stringed instrument.
      **Effective Fall 2007 Effective Fall 2015**
MUS 152N  Strings for Non-Music Majors
Fall of every year. Spring of every year. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to undergraduate students.
PCR  Private string lessons for non-music majors.
      **Effective Summer 2009 Effective Fall 2015**
MUS 153A  Flute
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Private instruction in flute.
      **Effective Fall 2007 Effective Fall 2015**
MUS 153B  Oboe
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  Private instruction in oboe.
      **Effective Fall 2007 Effective Fall 2015**
MUS 153C  Clarinet  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  
Private instruction in clarinet.  
Effective Fall 2007  Effective Fall 2015

MUS 153D  Saxophone  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  
Private instruction in saxophone.  
Effective Fall 2007  Effective Fall 2015

MUS 153E  Bassoon  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  
Private instruction in bassoon.  
Effective Fall 2007  Effective Fall 2015

MUS 153J  Woodwind Instruments: Jazz  
Fall of every year. Spring of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the College of Music. R: Open to undergraduate students in the Jazz Studies Major.
PCR  
Private instruction in a woodwind instrument.  
Effective Fall 2007  Effective Fall 2015

MUS 153N  Woodwinds for Non-Music Majors  
Fall of every year. Spring of every year. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to undergraduate students.
PCR  
Private woodwind lessons for non-music majors.  
Effective Summer 2009  Effective Fall 2015

MUS 154A  Trumpet  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  
Private instruction in trumpet.  
Effective Fall 2007  Effective Fall 2015

MUS 154B  Horn  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  
Private instruction in horn.  
Effective Fall 2007  Effective Fall 2015

MUS 154C  Trombone  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  
Private instruction in trombone.  
Effective Fall 2007  Effective Fall 2015

MUS 154D  Euphonium  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  
Private instruction in euphonium.  
Effective Fall 2007  Effective Fall 2015

MUS 154E  Tuba  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.
PCR  
Private instruction in tuba.  
Effective Fall 2007  Effective Fall 2015
MUS 154J  Brass Instruments: Jazz  
Fall of every year. Spring of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the College of Music. R: Open to undergraduate students in the Jazz Studies Major.  
PCR  
Private instruction in a brass instrument.  
Effective Fall 2007 Effective Fall 2015

MUS 154N  Brass for Non-Music Majors  
Fall of every year. Spring of every year. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to undergraduate students.  
PCR  
Private brass lessons for non-music majors.  
Effective Summer 2009 Effective Fall 2015

MUS 155  Percussion Instruments  
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to students in the College of Music.  
PCR  
Private instruction in percussion instruments.  
Effective Fall 2007 Effective Fall 2015

MUS 155J  Percussion Instruments: Jazz  
Fall of every year. Spring of every year. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to students in the College of Music. R: Open to undergraduate students in the Jazz Studies Major.  
PCR  
Private instruction in percussion instruments.  
Effective Fall 2007 Effective Fall 2015

MUS 155N  Percussion for Non-Music Majors  
Fall of every year. Spring of every year. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to undergraduate students.  
PCR  
Private percussion lessons for non-music majors.  
Effective Summer 2009 Effective Fall 2015

MUS 160  Class Instruction in Guitar  
Fall of every year. Spring of every year. 1(1-0) R: Open to students in the College of Music or in the Bachelor of Music in Music Therapy and open to teaching students in the College of Music. R: Open to undergraduate students in the Music Education Major.  
PCR  
Chording, strumming, and finger picking techniques. Accompanying and song leading with guitar. Reading of notation and tablature. Classical and popular styles.  
Effective Fall 2007 Effective Fall 2015

MUS 162  Class Instruction in Flute and Saxophone  
Fall of every year. Spring of every year. 1(0-2) R: Open to teaching students in the College of Music.  
PCR  
Techniques for playing and teaching flute and saxophone.  
Effective Fall 2007 Effective Fall 2015

MUS 163  Class Instruction in Clarinet  
Fall of every year. Spring of every year. 1(0-2) R: Open to teaching students in the College of Music.  
PCR  
Techniques for playing and teaching clarinet.  
Effective Spring 2009 Effective Fall 2015

MUS 164  Class Instruction in Double Reed Instruments  
Spring of every year. 1(0-2) R: Open to teaching students in the College of Music.  
PCR  
Techniques for playing and teaching oboe and bassoon.  
Effective Fall 2007 Effective Fall 2015

MUS 165  Class Instruction in High Brass Instruments  
Fall of every year. 1(0-2) R: Open to teaching students in the College of Music.  
PCR  
Techniques for playing and teaching trumpet and horn.  
Effective Fall 2007 Effective Fall 2015
PART III – COURSE CHANGES

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

MUS 171  Class Instruction in Stringed Instruments I
Fall of every year. 1(1-1) R: Open to students in the Music major.
PCR Techniques for playing and teaching stringed instruments at the elementary level.

MUS 172  Class Instruction in Stringed Instruments II
Spring of every year. 1(1-1) P: MUS 171
PCR Techniques for playing and teaching stringed instruments at the intermediate level and beyond.
SA: MUS 161

MUS 173  Class Instruction in Percussion Instruments I
Fall of every year. Spring of every year. 1(1-1) R: Open to students in the College of Music.
PCR Techniques for playing and teaching percussion instruments at the elementary level.

MUS 174  Class Instruction in Percussion Instruments II
Spring of every year. 1(1-1) P: MUS 173
PCR Techniques for playing and teaching percussion instruments at the intermediate level and beyond.

MUS 175  Understanding Music
Fall of every year. Spring of every year. 2(2-0)
PCR An active and creative approach to understanding the elements of music in a wide variety of music styles. No prior musical skills required.

MUS 177  Introduction to Music Education
Fall of every year. Spring of every year. 2(2-1)
PCR Historical foundations, current trends, and teaching responsibilities in music education at all curricular levels.
SA: MUS 260

MUS 178  Music Theory For Non Music Majors I
Fall of every year. Spring of every year. 2(2-1) R: Not open to students in the College of Music. Not open to students with credit in MUS 180.
PCR Basic components of both written and aural music. No previous musical knowledge assumed.

MUS 179  Music Theory For Non Music Majors II
Spring of every year. 3(3-1) P: MUS 178 R: Not open to students in the College of Music. Not open to students with credit in MUS 180 or MUS 181.
PCR Common chords and chord progressions, harmonizing melodies, basic musical forms including some popular and jazz forms, introductory compositional techniques.

MUS 180  Fundamentals of Music
Fall of every year. 2(2-1) R: Open to students in the College of Music.
PCR Conceptual and notational presentation of the basic components of musical structure.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Schedule</th>
<th>Pre-Requisites</th>
<th>Corequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 181</td>
<td>Musicianship I</td>
<td>Spring of every year. 3(3-1) P: MUS 180</td>
<td>R: Open to students in the College of Music.</td>
<td>PCR</td>
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<tr>
<td></td>
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<td>Hierarchical musical structure through species counterpoint and figured bass. Linear and vertical aspects of tonality.</td>
<td>Effective Fall 2008 - Effective Fall 2015</td>
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<tr>
<td>MUS 182</td>
<td>Ear Training and Sight Singing I</td>
<td>Fall of every year. 1(1-1) P: MUS 180 or concurrently</td>
<td>R: Open to students in the College of Music.</td>
<td>PCR</td>
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<td>Dictation, melody singing using solfege (movable do) syllables, intervals to octave, error detection, quarter note values in rhythm, part singing.</td>
<td>Effective Fall 2008 - Effective Fall 2015</td>
</tr>
<tr>
<td>MUS 183</td>
<td>Ear Training and Sight Singing II</td>
<td>Spring of every year. 1(1-1) P: MUS 182 and (MUS 181 or concurrently)</td>
<td>R: Open to students in the College of Music.</td>
<td>PCR</td>
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<tr>
<td></td>
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<td></td>
<td>Dictation, singing melodies in major and minor keys. Simple modulation, chromatic alteration, error detection, rhythms, triads and components, part singing.</td>
<td>Effective Fall 2008 - Effective Fall 2015</td>
</tr>
<tr>
<td>MUS 185</td>
<td>Jazz Styles and Analysis I</td>
<td>Fall of every year. 2(2-0) P: MUS 185</td>
<td>R: Open to students in the College of Music.</td>
<td>PCR</td>
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<tr>
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<td></td>
<td>Introduction to jazz. Listening and appreciating jazz. Jazz styles, history and analysis.</td>
<td>Effective Fall 2008 - Effective Fall 2015</td>
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<tr>
<td>MUS 186</td>
<td>Jazz Styles and Analysis II</td>
<td>Spring of every year. 2(2-0) P: MUS 185</td>
<td>R: Open to students in the College of Music.</td>
<td>PCR</td>
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<tr>
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<td></td>
<td>Listening and appreciating jazz. Jazz styles, history and analysis.</td>
<td>Effective Spring 2008 - Effective Fall 2015</td>
</tr>
<tr>
<td>MUS 200</td>
<td>Introduction to Music Theory</td>
<td>Fall of every year. Summer of every year. 1(1-1)</td>
<td>R: Open to graduate students in the College of Music.</td>
<td>PCR</td>
</tr>
<tr>
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<td>Elements of music theory, with emphasis on voice-leading and harmonic analysis in diatonic and chromatic music.</td>
<td>Effective Fall 2007 - Effective Fall 2015</td>
</tr>
<tr>
<td>MUS 201</td>
<td>Aural Skills</td>
<td>Fall of every year. Spring of every year. 1(1-1)</td>
<td>R: Open to graduate students in the College of Music.</td>
<td>PCR</td>
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<tr>
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<td>Ear training in the areas of melody, harmony, and rhythm. Sight singing using the solfege system. Computer-aided drill programs.</td>
<td>Effective Fall 2007 - Effective Fall 2015</td>
</tr>
<tr>
<td>MUS 210</td>
<td>Song Writing</td>
<td>Fall of odd years. 2(2-1) 2(2-2)</td>
<td>RB: Class members should be able to sing and play an accompanying instrument such as guitar or keyboard.</td>
<td>PCR</td>
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<td>Develop and refine the ability to express oneself through songwriting.</td>
<td>Effective Fall 2008 - Effective Fall 2015</td>
</tr>
</tbody>
</table>
MUS 211 History of Western Music to 1750
Fall of every year. 3(3-0) P: MUS 181 R: Not open to freshmen and open to students in the College of Music.
PCR Music from ancient Greece through the Baroque. Literature and theory of plainsong, instrumental and vocal traditions, and vocal polyphony before 1750 in sociopolitical context.  
Effective Fall 2007 Effective Fall 2015

MUS 212 History of Western Music Since 1750
Spring of every year. 3(3-0) P: MUS 181 RB: MUS 211 R: Not open to freshmen and open to students in the College of Music.
PCR Literature of the cultivated tradition and its theory in sociopolitical context.  
Effective Fall 2007 Effective Fall 2015

MUS 230 Beginning Jazz Improvisation I
Fall of every year. 2(2-1) P: MUS 181 R: Not open to freshmen. R: Open to students in the Jazz Studies Major.
PCR Keys, modes, chord progressions as improvisational tools. Blues form in basic keys. Aural transcription of recorded solos. Keys, modes, chord progressions as improvisational tools. Blues form in basic keys. The student will gain skills transcribing recorded solos.  
Effective Fall 2008 Effective Fall 2015

MUS 231 Beginning Jazz Improvisation II
Spring of every year. 2(2-1) P: MUS 230 R: Not open to freshmen. R: Open to undergraduate students in the Jazz Studies Major.
PCR Performance of complete tunes. Transcriptions of recorded jazz solos.  
Effective Fall 2008 Effective Fall 2015

MUS 248 German Diction for Singers
Fall of every year. 1(1-1) P: MUS 151 R: Open to students in the College of Music.
PCR German lyric diction. Rules of pronunciation. Performance of German art songs in class.  
Effective Fall 2007 Effective Fall 2015

MUS 249 French Diction for Singers
Spring of every year. 1(1-1) P: MUS 151 R: Open to students in the College of Music.
Effective Fall 2007 Effective Fall 2015

MUS 277 Principles of Music Education
Fall of every year. Spring of every year. 3(2-2) P: MUS 177
PCR Techniques for developing instructional and management skills for teaching music. On- and off-campus clinical experiences required.  
SA: MUS 339  
Effective Fall 2007 Effective Fall 2015

MUS 280 Musicianship II
Fall of every year. 3(3-1) P: MUS 181
PCR Techniques of diatonic modulation and soprano harmonization. Chromatic techniques.  
Effective Fall 2007 Effective Fall 2015

MUS 281 Musicianship III
Spring of every year. 3(3-1) P: MUS 280
PCR Research base for formal categorization. Large-scale principles of musical organization. Chromatic substitution and chords derived from voice-leading.  
Effective Fall 2007 Effective Fall 2015

MUS 282 Advanced Ear Training and Sight Singing I
Fall of every year. 1(1-1) P: MUS 183 and (MUS 280 or concurrently)
PCR Dictation including recognition of triads, functions, cadences, seventh-chord harmonies, chord components. Two-and four-part dictation and singing.  
Effective Fall 2008 Effective Fall 2015
MUS 283  Advanced Ear Training and Sight Singing II
Spring of every year. 1(1-1) P: MUS 282 and (MUS 281 or concurrently)
PCR  Recognition of harmonic functions in major keys, minor keys, and modulations. Dictation in two- and four-part textures including augmented-sixth chords and nonharmonic tones.

Effective Fall 2008 Effective Fall 2015

MUS 290  Independent Study
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: Approval of college.
PCR  Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

Effective Fall 2007 Effective Fall 2015

MUS 291  Selected Topics in Music
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 15 credits in all enrollments for this course. R: Approval of college.
PCR  Topics selected and developed to enrich the music students educational experience beyond existing courses.

Effective Fall 2007 Effective Fall 2015

MUS 301  Advanced Jazz Musicianship I
Fall of every year. 3(2-1) P: MUS 231
PCR  Secondary dominants, borrowed chords, and tritone substitutions. Transcriptions of recorded jazz solos. Jazz piano skills.

Effective Fall 2008 Effective Fall 2015

MUS 302  Advanced Jazz Musicianship II
Spring of every year. 3(2-1) P: MUS 301
PCR  Pentatonic scale relationships within II-V-I progressions, Aleatoric approaches to improvisation, non-traditional chord progressions, and transcription of recorded jazz solos.

Effective Fall 2008 Effective Fall 2015

MUS 303  Advanced Jazz Musicianship III
Fall of every year. 3(2-1) P: (MUS 302) P: MUS 302 R: Open to juniors or seniors in the Jazz Studies Major.
PCR  Continuation of Advanced Jazz Musicianship II.

Effective Fall 2008 Effective Fall 2015

MUS 304  Advanced Jazz Musicianship IV
Spring of every year. 3(2-1) P: MUS 303 P: MUS 303 R: Open to juniors or seniors in the College of Music. R: Open to juniors or seniors in the Jazz Studies Major.
PCR  Continuation of Advanced Jazz Musicianship III.

Effective Fall 2008 Effective Fall 2015

MUS 335  Ensemble Conducting I
Fall of every year. 2(2-2) P: (MUS 281) R: Open to teaching students in the College of Music and open to students in the Bachelor of Music in Composition and Music Theory or in the Bachelor of Music in Music Therapy.
PCR  Introduction to conducting and rehearsal techniques.

Effective Fall 2007 Effective Fall 2015

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

Effective Fall 2003 Effective Fall 2015
MUS 336B  Ensemble Conducting II: Choral  
Spring of every year. 2(2-2) P: MUS 335 R: Open to teaching students in the College of Music or in the Bachelor of Music in Composition and Music Theory.  
PCR  Advanced conducting and rehearsal techniques as applied to music literature from each of the stylistic periods.  
SA: MUS 336  
Effective Fall 2007 Effective Fall 2015

MUS 337  Conducting for Music Performance Majors  
Spring of every year. 1(1-1) P: MUS 281 R: Open to students in the Bachelor of Music in Music Performance.  
PCR  Beat patterns, clefs, and transpositions of string, wind, and percussion instruments. Score reading and analysis. Rehearsal techniques.  
Effective Fall 2007 Effective Fall 2015

MUS 340  Methods and Literature for Voice  
Fall of every year. 3(3-0) RB: Four semesters of MUS 151. R: Open to students in the College of Music.  
PCR  Methods of teaching voice. Literature for both private lessons and classrooms.  
Effective Fall 2007 Effective Fall 2015

MUS 341  String Pedagogy  
Spring of odd years. 2(2-1) RB: Four semesters of MUS 152A, MUS 152B, MUS 152C, MUS 152D, MUS 152J, or MUS 152N. R: Open to students in the College of Music.  
PCR  Principles, techniques, and materials for teaching stringed instruments.  
Effective Spring 2008 Effective Fall 2015

MUS 346  Keyboard Methods and Literature I  
Fall of even years. 2(2-0) RB: Four semesters of MUS 150A. R: Open to students in the College of Music.  
PCR  Beginning and intermediate methods and literature for teaching piano. Observation and teaching of beginning piano students.  
Effective Fall 2007 Effective Fall 2015

MUS 347  Keyboard Methods and Literature II  
Spring of odd years. 2(2-0) P: MUS 346 R: Open to students in the College of Music.  
PCR  Intermediate and advanced methods and literature for teaching piano. Observation and teaching of piano students.  
Effective Fall 2007 Effective Fall 2015

MUS 348  Piano Accompanying  
Fall of every year. Spring of every year. 1(0-3) A student may earn a maximum of 8 credits in all enrollments for this course. RB: MUS 149 R: Not open to freshmen and open to students in the College of Music.  
PCR  Accompaniment of instrumental and vocal soloists. Collaboration with instrumentalists and vocalists.  
Effective Fall 2007 Effective Fall 2015

MUS 349  Piano Performance  
Fall of every year. Spring of every year. 1(0-2) A student may earn a maximum of 10 credits in all enrollments for this course. R: Open to students in the College of Music.  
PCR  Critique and analysis of individual performances in a group setting.  
Effective Fall 2007 Effective Fall 2015

MUS 350A  Piano  
Fall of every year. Spring of every year. 2 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. P: MUS 150A R: Open to students in the College of Music.  
PCR  Private instruction in piano.  
Effective Fall 2007 Effective Fall 2015
MUS 350C  Harp
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. P: MUS 150C R: Open to students in the College of Music.
PCR
Private instruction in harp.

MUS 350J  Applied Jazz Piano
Fall of every year. Spring of every year. 2(2-0) A student may earn a maximum of 10 credits in all enrollments for this course. P: MUS 150J
PCR
Continuation of MUS 150J. Further refinement of listening skills. Technical analysis of more advanced forms of jazz styles and improvisation. Advanced techniques pertaining to the use of piano in contemporary settings.

MUS 351  Voice
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. P: MUS 151 R: Open to students in the College of Music.
PCR
Private instruction in voice.

MUS 351J  Applied Jazz Vocals
Fall of every year. Spring of every year. 2(2-0) A student may earn a maximum of 10 credits in all enrollments for this course. P: MUS 151J
PCR

MUS 352A  Violin
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 152A R: Open to students in the College of Music.
PCR
Private instruction in violin.

MUS 352B  Viola
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 152B R: Open to students in the College of Music.
PCR
Private instruction in viola.

MUS 352C  Cello
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 152C R: Open to students in the College of Music.
PCR
Private instruction in cello.

MUS 352D  Double Bass
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 152D R: Open to students in the College of Music.
PCR
Private instruction in double bass.

MUS 352J  Applied Jazz Strings
Fall of every year. Spring of every year. 2(2-0) A student may earn a maximum of 10 credits in all enrollments for this course. P: MUS 152J
PCR
Continuation of MUS 152J. Further refinement of listening skills. Technical analysis of advanced forms of jazz styles and improvisation. Significant be-bop and hard-bop compositions. Advanced techniques pertaining to use of string instruments in contemporary settings.
PART III – COURSE CHANGES

MUS 353A  Flute
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 153A R: Open to students in the College of Music.
PCR
   Private instruction in flute.
   Effective Fall 2007 Effective Fall 2015

MUS 353B  Oboe
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 153B R: Open to students in the College of Music.
PCR
   Private instruction in oboe.
   Effective Fall 2007 Effective Fall 2015

MUS 353C  Clarinet
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 153C R: Open to students in the College of Music.
PCR
   Private instruction in clarinet.
   Effective Fall 2007 Effective Fall 2015

MUS 353D  Saxophone
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 153D R: Open to students in the College of Music.
PCR
   Private instruction in saxophone.
   Effective Fall 2007 Effective Fall 2015

MUS 353E  Bassoon
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 153E R: Open to students in the College of Music.
PCR
   Private instruction in bassoon.
   Effective Fall 2007 Effective Fall 2015

MUS 353J  Applied Jazz Woodwinds
Fall of every year. Spring of every year. 2(2-0) A student may earn a maximum of 10 credits in all enrollments for this course. P: MUS 153J
PCR
   Continuation of MUS 153J. Further refinement of listening skills. Technical analysis of more advanced forms of jazz styles and improvisation. Significant, be-bop and hard-bop compositions. Advanced techniques pertaining to the use of woodwinds in contemporary settings.
   Effective Fall 2008 Effective Fall 2015

MUS 354A  Trumpet
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 154A R: Open to students in the College of Music.
PCR
   Private instruction in trumpet.
   Effective Fall 2007 Effective Fall 2015

MUS 354B  Horn
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 154B R: Open to students in the College of Music.
PCR
   Private instruction in horn.
   Effective Fall 2007 Effective Fall 2015

MUS 354C  Trombone
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 154C R: Open to students in the College of Music.
PCR
   Private instruction in trombone.
   Effective Fall 2007 Effective Fall 2015
MUS 354D  Euphonium
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 154D R: Open to students in the College of Music.
PCR Private instruction in euphonium.
   Effective Fall 2007 Effective Fall 2015

MUS 354E  Tuba
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 154E R: Open to students in the College of Music.
PCR Private instruction in tuba.
   Effective Fall 2007 Effective Fall 2015

MUS 354J  Applied Jazz Brass
Fall of every year. Spring of every year. 2(2-0) A student may earn a maximum of 10 credits in all enrollments for this course. P: MUS 154J
PCR Continuation of MUS 154J. Further refinement of listening skills. Technical analysis of more advanced forms of jazz styles and improvisation. Significant be-bop and hard-bop compositions. Advanced techniques pertaining to the use of jazz brass in contemporary settings.
   Effective Fall 2008 Effective Fall 2015

MUS 355  Percussion
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: MUS 155 R: Open to students in the College of Music.
PCR Private instruction in percussion.
   Effective Fall 2007 Effective Fall 2015

MUS 355J  Applied Jazz Percussion
Fall of every year. Spring of every year. 2(2-0) A student may earn a maximum of 10 credits in all enrollments for this course. P: MUS 155J
PCR Continuation of MUS 155J. Further refinement of listening skills. Technical analysis of more advanced forms of jazz styles and improvisation. Significant be-bop and hard bop compositions. Advanced techniques pertaining to the use of jazz percussion in contemporary settings.
   Effective Fall 2008 Effective Fall 2015

MUS 380  Musical Styles and Forms
Spring of every year. 3(3-0) P: MUS 281 and MUS 212 R: Open to students in the College of Music.
PCR Form in pre-20th century Western music. Stylistic analysis of representative medieval, renaissance, baroque, and 18th and 19th century compositions.
   Effective Fall 2007 Effective Fall 2015

MUS 381  20th Century Music Theory (W)
   20th Century Music Theory (W)
Fall of every year. 3(3-1) P: (MUS 281) and completion of Tier I writing requirement
PCR Western art music and jazz. Stylistic and formal analysis of representative compositions and jazz improvisations. Post-tonal theory. Jazz nomenclature and harmonic practice.
   Effective Fall 2007 Effective Fall 2015

MUS 400  Jazz Arranging and Composition I
Fall of every year. 2(2-0) P: MUS 281
PCR Jazz instrumental writing focusing on voicing concepts for standard jazz chord progressions, melody, counter-melody, and standard forms. Beginning orchestration techniques emphasizing form.
   Effective Fall 2007 Effective Fall 2015
PART III – COURSE CHANGES

MUS 401  Jazz Arranging and Composition II
Spring of every year. 2(2-0) P: MUS 400
PCR  Jazz instrumental writing focusing on orchestration and arranging concepts for large jazz ensembles. Voicing of chords within and across sections. Orchestration techniques which emphasize form. Jazz instrumental writing focusing on orchestration and arranging concepts for large jazz ensembles.
Effective Fall 2007 Effective Fall 2015

MUS 409  American Music
Fall of odd years. 2(2-0) P: MUS 212 P: MUS 211 or MUS 212 R: Open to juniors or seniors in the College of Music or approval of college.
PCR  Music in American life with an emphasis on historical, folk music, art music, sacred music, and popular genres.
Effective Fall 2009 Effective Fall 2015

MUS 410  Jazz History
Fall of every year. 2(2-0) P: MUS 212 P: MUS 211 or MUS 212 R: Open to juniors or seniors in the College of Music or approval of college.
PCR  Survey of jazz from its beginnings in African American aural traditions to the present.
Effective Fall 2007 Effective Fall 2015

MUS 413  Keyboard Literature to Mid-19th Century
Fall of odd years. 2(2-1) P: MUS 281 R: Open to students in the College of Music.
PCR  Keyboard styles and works of representative composers such as Bach, Couperin, Mozart, Haydn, and Beethoven.
Effective Fall 2007 Effective Fall 2015

MUS 414  Keyboard Literature since the Mid-19th Century
Spring of even years. 2(2-1) P: MUS 413 R: Open to students in the College of Music.
PCR  Keyboard styles and works of representative composers such as Schumann, Chopin, Ives, and Prokofiev.
Effective Fall 2007 Effective Fall 2015

MUS 415  Art Song Literature: German
Fall of even years. 2(2-1) P: MUS 248 and MUS 281 R: Open to students in the College of Music and not open to freshmen or sophomores. C: MUS 350A concurrently or MUS 351 concurrently or MUS 850A concurrently or MUS 851 concurrently.
PCR  Standard art song repertoire with emphasis on German Lieder. Performance of art songs in class.
Effective Fall 2008 Effective Fall 2015

MUS 416  Art Song Literature: French, Spanish, and Italian
Spring of odd years. 2(2-1) P: MUS 248 and MUS 281 R: Open to students in the College of Music and not open to freshmen or sophomores. C: MUS 350A concurrently or MUS 351 concurrently or MUS 850A concurrently or MUS 851 concurrently.
PCR  Standard art song repertoire with emphasis on French, Spanish, and Italian art songs. Performance of art songs in class.
Effective Fall 2008 Effective Fall 2015

MUS 417  Art Song Literature: British and American
Fall of odd years. 2(2-1) P: MUS 248 and MUS 281 RB: Vocal and piano performance majors. Students must be enrolled in 300-level or higher voice or piano. R: Open to juniors or seniors in the College of Music. C: MUS 350A concurrently or MUS 351 concurrently or MUS 850A concurrently or MUS 851 concurrently.
PCR  Standard art song repertoire with emphasis on British and American art songs. Performance of art songs in class.
Effective Spring 2009 Effective Fall 2015
MUS 418  Opera and Oratorio Aria Repertoire
Spring of even years. 2(2-1) P: MUS 248 and MUS 281 RB: Vocal and piano performance majors. Students must be enrolled in 300-level or higher voice or piano. R: Open to juniors or seniors in the College of Music. C: MUS 350A concurrently or MUS 850A concurrently or MUS 351 concurrently or MUS 851 concurrently.

PCR Opera and oratorio arias of Handel, Rossini, Mozart, Puccini, Verdi, Gounod, Saint-Saëns, Massenet, Menotti, and Previn.
Effective Spring 2009 Effective Fall 2015

MUS 419  Baroque Music
Spring of odd years. 2(2-0) P: MUS 211 and MUS 212 R: Open to students in the College of Music. R: Open to juniors or seniors in the College of Music or approval of college.

PCR Developments in musical forms and styles from 1600-1750.
Effective Fall 2008 Effective Fall 2015

MUS 420  Music of the 18th Century
Spring of even years. 2(2-0) P: MUS 212 P: MUS 211 or MUS 212 R: Not open to freshmen or sophomores and open to students in the College of Music. R: Open to juniors or seniors in the College of Music or approval of college.

PCR Late baroque and early classical traditions: styles, genres, forms, theories, aesthetics, performance practices, instruments, and masterworks in sociopolitical context. Aural and score analysis of representative works.
Effective Fall 2007 Effective Summer 2016

MUS 421  19th Century European-American Music Literature
Music of the 19th Century
Spring of odd years. 2(2-0) P: MUS 212 P: MUS 211 or MUS 212 R: Not open to freshmen or sophomores and open to students in the College of Music. R: Open to juniors or seniors in the College of Music or approval of college.

PCR Late classical and romantic period traditions: styles, genres, forms, theories, aesthetics, performance practice, instruments and masterworks in sociopolitical context. Aural and score analysis of representative works.
Effective Fall 2007 Effective Summer 2016

MUS 422  20th Century European and American Music Literature
Music of the 20th Century
Fall of every year. 2(2-0) P: MUS 212 P: MUS 211 or MUS 212 R: Not open to freshmen or sophomores and open to students in the College of Music. R: Open to juniors or seniors in the College of Music or approval of college.

PCR Twentieth-century styles, genres, forms, theories, aesthetics, performance practices, instruments and masterworks in sociopolitical context. Aural and score analysis of representative works.
Effective Spring 2009 Effective Summer 2016

MUS 423  History of Opera
Fall of odd years. 2(2-0) P: MUS 212 P: MUS 211 or MUS 212 R: Open to students in the College of Music. R: Open to juniors or seniors in the College of Music or approval of college.

PCR Musical, cultural, and social significance of opera since 1600.
Effective Fall 2007 Effective Fall 2015

MUS 424  Music, Sexuality, and Gender
Fall of even years. 2(2-0) P: MUS 211 and MUS 212 P: MUS 211 or MUS 212 RB: Basic knowledge of Western music history and musical forms. R: Open to students in the College of Music or approval of college. R: Open to juniors or seniors in the College of Music or approval of college.

PCR Inclusion and exclusion of women from histories of music. Comparison of historical women music-makers with contemporary women music-makers.
Effective Summer 2011 Effective Fall 2015
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Restrictions</th>
<th>PCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 425</td>
<td>Music of South Asia and Its Diaspora</td>
<td>Fall of odd years</td>
<td>2(2-0)</td>
<td>P: MUS 212 P: MUS 211 or MUS 212 R: Not open to freshmen or sophomores R: Open to juniors or seniors in the College of Music or approval of college.</td>
<td>PCR Music associated with the cultures of South Asian India and Pakistan, and South Asian musical practices in its Diaspora. Effective Fall 2008 Effective Fall 2015</td>
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<tr>
<td>MUS 426</td>
<td>Music of Africa</td>
<td>Spring of odd years</td>
<td>2(2-0)</td>
<td>P: MUS 211 or MUS 212 R: Not open to freshmen or sophomores R: Open to juniors or seniors in the College of Music or approval of college.</td>
<td>PCR Music associated with the cultures of Africa. Effective Summer 2009 Effective Fall 2015</td>
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<tr>
<td>MUS 429</td>
<td>Music of East Asia</td>
<td>Fall of even years</td>
<td>2(2-0)</td>
<td>P: MUS 212 P: MUS 211 or MUS 212 R: Not open to freshmen or sophomores R: Open to juniors or seniors in the College of Music or approval of college.</td>
<td>PCR Music associated with the cultures of East Asia. Effective Fall 2008 Effective Fall 2015</td>
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<tr>
<td>MUS 430</td>
<td>Music of the Caribbean</td>
<td>Spring of even years</td>
<td>2(2-0)</td>
<td>P: MUS 212 P: MUS 211 or MUS 212 R: Not open to freshmen or sophomores R: Open to juniors or seniors in the College of Music or approval of college.</td>
<td>PCR Music with the cultures of the Caribbean. Effective Fall 2008 Effective Fall 2015</td>
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<tr>
<td>MUS 434</td>
<td>Orchestral Musicianship</td>
<td>Fall of every year, Spring of every year</td>
<td>1(1-1)</td>
<td>A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to students in the College of Music and not open to freshmen in the College of Music.</td>
<td>PCR Performance of standard symphonic literature of 18th, 19th and 20th century music for string instruments. Preparation for orchestral auditions. Effective Fall 2007 Effective Fall 2015</td>
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<tr>
<td>MUS 435</td>
<td>Opera Theatre</td>
<td>Fall of every year, Spring of every year</td>
<td>1 to 2</td>
<td>A student may earn a maximum of 8 credits in all enrollments for this course. R: Audition required.</td>
<td>PCR Rehearsal and performance of complete operas and operatic excerpts. Effective Fall 2007 Effective Fall 2015</td>
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</tr>
<tr>
<td>MUS 436</td>
<td>Popular Music of Black America</td>
<td>Fall of even years</td>
<td>2(2-0)</td>
<td>P: MUS 212 P: MUS 211 or MUS 212 R: Open to juniors or seniors in the College of Music or approval of college.</td>
<td>PCR Black popular music from 1945 to the present. Influence on American popular music. Rhythm and blues, soul, funk, disco, rap, and their derivative forms. Role of African-American performers, songwriters and producers in the development of a multi billion-dollar music industry. Effective Fall 2008 Effective Fall 2015</td>
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<tr>
<td>MUS 438</td>
<td>Jazz Pedagogy I</td>
<td>Fall of every year</td>
<td>2(2-0)</td>
<td>P: MUS 281 R: Open to juniors or seniors in the College of Music.</td>
<td>PCR Teaching theory and methodologies for jazz education in secondary schools. Effective Fall 2007 Effective Fall 2015</td>
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<tr>
<td>MUS 439</td>
<td>Jazz Pedagogy II</td>
<td>Spring of every year</td>
<td>2(2-0)</td>
<td>P: MUS 438</td>
<td>PCR Teaching theory and methodologies for jazz education in secondary schools. Effective Fall 2007 Effective Fall 2015</td>
<td></td>
</tr>
</tbody>
</table>
### MUS 441 Introduction to Computer Music
- **Fall of every year.** 3(3-0)  
  P: MUS 281  
  R: Not open to freshmen or sophomores.  
  **Effective Fall 2007 Effective Fall 2015**

### MUS 442 Independent Projects in Computer Music
- **Fall of every year. Spring of every year.** 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
  P: MUS 441  
- **PCR:** Independent composition or research in computer music. Assigned use of computer music studios.  
  **Effective Fall 2007 Effective Fall 2015**

### MUS 443 Anthropology of Music
- **Fall of odd years.** 2(2-0)  
  P: MUS 212  
  R: Open to juniors or seniors in the College of Music or approval of college.  
- **PCR:** Study of social theories developed in anthropology and ethnomusicology.  
  **Effective Fall 2009 Effective Fall 2015**

### MUS 448 Advanced Keyboard Methods and Literature I
- **Fall of odd years.** 2(2-0)  
  R: MUS 347  
- **PCR:** Advanced piano literature for private lessons and classrooms.  
  **Effective Fall 2007 Effective Fall 2015**

### MUS 449 Advanced Keyboard Methods and Literature II
- **Spring of even years.** 2(2-0)  
  R: MUS 448  
- **PCR:** Continuation of advanced keyboard methods and literature.  
  **Effective Fall 2007 Effective Fall 2015**

### MUS 455 Teaching Instrumental Music
- **Spring of every year.** 3(3-1)  
  P: MUS 177 and (MUS 336A or MUS 336B)  
  R: MUS 277 and MUS 335  
- **PCR:** Development of skills necessary for teaching elementary and secondary band. Role of the instrumental music educator purposes of instrumental music in the schools. Clinical experiences in schools required.  
  **Effective Fall 2007 Effective Fall 2015**

### MUS 456 Teaching Stringed Instruments
- **Fall of every year.** 3(2-2)  
  P: MUS 177 and (MUS 336A or MUS 336B)  
  R: MUS 277 and MUS 335  
- **PCR:** Development of skills and knowledge for teaching string and orchestra programs in schools. Pedagogy, musicianship, curriculum, materials and program administration. Clinical experiences in schools required.  
  **Effective Fall 2007 Effective Fall 2015**

### MUS 461 Marching Band Methods
- **Spring of every year.** 2(2-0)  
  R: Not open to freshmen or sophomores and open to students in the College of Music.  
- **PCR:** Administration of school marching bands. Technical and philosophical aspects.  
  **Effective Fall 2007 Effective Fall 2015**

### MUS 462 Suzuki Methods and Materials
- **Spring of even years.** 2(1-2)  
  R: Open to students in the College of Music.  
- **PCR:** Beginning levels of Suzuki violin pedagogy.  
  **Effective Fall 2008 Effective Fall 2015**
MUS 463  Methods and Materials of Elementary Music  
Fall of every year. Spring of every year. 3(3-0) R: Not open to students in the College of Music.  
PCR  How children learn music from early childhood to grade three.  
Effective Fall 2008  Effective Fall 2015

MUS 465  Music in Early Childhood  
Fall of every year. 2(2-0) R: Not open to freshmen or sophomores and open to teaching students in the College of Music.  
PCR  Music learning activities and teaching strategies for children ages three to six.  
Effective Fall 2008  Effective Fall 2015

MUS 467  Teaching General Music in the Elementary School  
Spring of every year. 3(2-2) P: MUS 277 R: Open to teaching students in the College of Music.  
PCR  Techniques for teaching general music to students in grades K-6. Curriculum, pedagogy, materials, and program administration. Clinical experience in schools required.  
Effective Fall 2008  Effective Fall 2015

MUS 468  Teaching Choral Music  
Spring of every year. 3(2-2) P: MUS 177 and (MUS 336A or MUS 336B) P: (MUS 277) and MUS 335 R: Not open to freshmen or sophomores and open to students in the Music Education Major.  
PCR  Techniques for developing choral music programs. Curriculum, pedagogy, materials, and program administration. Clinical experiences in schools required.  
Effective Fall 2008  Effective Fall 2015

MUS 469  Teaching Secondary Classroom Music  
Fall of every year. 3(3-1) P: MUS 177 P: (MUS 277) and MUS 335 R: Not open to freshmen or sophomores and open to students in the Music Education Major.  
PCR  Techniques for teaching general music and elective music classes in middle schools and high schools. Clinical experiences in schools required.  
Effective Fall 2008  Effective Fall 2015

MUS 476  Music Psychology  
Fall of every years. 3(3-0) R: Not open to freshmen.  
DELETE COURSE  
Effective Fall 2015

MUS 480  Counterpoint  
Fall of every year. Spring of every year. 2(2-0) P: MUS 381 R: Open to students in the College of Music.  
PCR  Creative and analytical work with two-and three-part counterpoint in the style of J.S. Bach.  
Effective Fall 2008  Effective Fall 2015

MUS 481  Acting for Singers  
Fall of every year. 1(1-0) A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to sophomores or juniors or seniors in the College of Music.  
PCR  Solo acting techniques for the operatic stage.  
Effective Fall 2010  Effective Fall 2015

MUS 482  Opera Scene Study  
Spring of every year. 1(1-0) A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to sophomores or juniors or seniors in the College of Music.  
PCR  Group acting techniques for the operatic stage.  
Effective Fall 2010  Effective Fall 2015
PART III – COURSE CHANGES

MUS 483  Composition
Fall of every year. Spring of every year. 2 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: MUS 281 or approval of college RB: Composition majors R: Open to students in the College of Music, Residential College in the Arts and Humanities or approval of college.

PCR   Private instruction in music composition.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Spring 2009 Effective Fall 2015

MUS 484  Instrumentation and Basic Orchestration
Fall of every year. 2(2-1) P: MUS 381 R: Open to students in the College of Music.

PCR   Four families of orchestral instruments: strings, woodwinds, brass, and percussion.
Acoustics, notation, range, articulation, dynamics, technique, and timbre for individual instruments and orchestral sections.
Effective Fall 2007 Effective Fall 2015

MUS 490  Independent Study
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 15 credits in all enrollments for this course. R: Approval of college.

PCR   Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
Effective Fall 2007 Effective Fall 2015

MUS 491  Special Topics in Music
Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 15 credits in all enrollments for this course. R: Approval of college.

PCR   Special topics supplementing regular course offerings proposed by faculty for group study.
Effective Fall 2007 Effective Fall 2015

MUS 493  Music Therapy: Internship
Fall of every year. Spring of every year. Summer of every year. 1 credit. A student may earn a maximum of 6 credits in all enrollments for this course. P: MUS 471 R: Open to students in the Bachelor of Music in Music Therapy.

PCR   Internship in an approved music therapy clinical program at an accredited treatment center.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 4 semesters after the end of the semester of enrollment.
DELETE COURSE
Effective Fall 2015

MUS 495  Student Teaching in Music
Fall of every year. Spring of every year. 9 credits. Interdepartmental with Teacher Education. R: Open to seniors in the Bachelor of Music in Music Education.

PCR   Supervised music teaching experience in schools. On-campus seminar required.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2007 Effective Fall 2015

MUS 810  Graduate Jazz History
Graduate Jazz History
Spring of every year. 3(3-0) P: MUS 410 or approval of department R: Open to masters students in the College of Music, R: Open to graduate students in the College of Music.

Effective Fall 2011 Effective Summer 2016
MUS 841  Opera Score Reductions
Seminar in Advanced Collaborative Piano Techniques
Fall of odd years. Fall of every year. Spring of every year. 2(2-0) A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to graduate students in the College of Music.
Modification of piano reductions of opera scores to reflect the full score to make their performance more idiomatic for the piano. Development of advanced collaborative piano techniques through the study of art song, operatic arias, instrumental works, and chamber music. Provide the necessary skills and training to meet the demands and challenges for piano accompanists.
Effective Spring 2009 Effective Summer 2016

MUS 964  Seminar in College Music Teaching
Fall of even years. Spring of even years. 3(3-0) 2(2-0) R: Open to graduate students in the College of Music.
Preparation for careers in post-secondary education. Development of teaching skills. Assessment, curriculum development, classroom technology, and adult students as learners.
Effective Fall 2008 Effective Summer 2016

MUS 992  Seminar in Musicology
Fall of every year. Spring of every year. 3(3-0) A student may earn a maximum of 18 credits in all enrollments for this course. R: Open to graduate students in the College of Music. R: Open to doctoral students in the College of Music.
Topics in musicology such as early notations, music editing, or historical performance practice. Advanced study of the history and culture of music in Western and/or world traditions. Specific topics vary by semester.
Effective Fall 2007 Effective Summer 2015

COLLEGE OF NATURAL SCIENCE

MTHE 430  History of Mathematics
Spring of every year. 3(3-0) P: MTH 133 and MTH 301
PCR Development of mathematical thought from ancient times to the present, selected from Egyptian, Babylonian, Mayan, Greek, Indian, and Arab contributions to mathematics and to the context of today's school mathematics curriculum.
SA: SME 430
Effective Summer 2013 Effective Fall 2015

BMS 880  Laboratory Rotation
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: Open to doctoral students in the College of Natural Science or in the Department of Pharmacology and Toxicology or in the Department of Microbiology and Molecular Genetics or in the Department of Physiology or in the Biochemistry and Molecular Biology/Environmental Toxicology major or in the Biochemistry and Molecular Biology major or in the Cell and Molecular Biology major or in the Cell & Molecular Biology-Environmental Toxicology major or in the Genetics major. R: Open to doctoral students in the College of Natural Science or in the Department of Pharmacology and Toxicology or in the Department of Microbiology and Molecular Genetics or in the Department of Physiology or in the Biochemistry and Molecular Biology/Environmental Toxicology major or in the Biochemistry and Molecular Biology major or in the Cell and Molecular Biology major or in the Cell & Molecular Biology-Environmental Toxicology major or in the Genetics major.
Participation in research projects in laboratories of biomolecular sciences faculty. Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2014 Effective Summer 2016
### DEPARTMENT OF PLANNING, DESIGN AND CONSTRUCTION

**UP 801**  
Concepts and Issues in Planning and Development  
Fall of every year. Summer of every year. 3(2-0) 4(4-0)  
Urban and regional planning and development. History of the planning profession. Current urban issues and planning approaches.  
*Effective Summer 2012 Effective Summer 2016*

**UP 890**  
Independent Study  
Fall of every year. Spring of every year. Summer of every year. 2 to 4 credits. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.  
Faculty-supervised study in aspects of urban planning.  
*Effective Summer 2005 Effective Summer 2016*

### DEPARTMENT OF PLANT BIOLOGY

**PLB 434**  
Plant Structure and Function  
Fall of even years. Spring of odd years. 4(2-4) P: (BS 161 and BS 162) or (LB 144 and LB 145) or (BS 181H and BS 182H)  
Plant anatomy from a structural and functional perspective. Physiological, developmental, and ecological significance of cell types, tissue types, and meristems of vegetative and reproductive plant parts. Plant morphology and anatomy from a structural and functional perspective. Ecological and evolutionary significance of variation in the physiology and development of plant cells, tissues, meristems and organs.  
SA: BOT 434  
*Effective Fall 2014 Effective Fall 2016*

**PLB 800**  
Seminar in Plant Biology  
Fall of every year. 1(1-0) A student may earn a maximum of 4 credits in all enrollments for this course. R: Open only to graduate students.  
Current research and approaches in plant biology.  
Request the use of the Pass-No Grade (P-N) system.  
SA: BOT 800  
*Effective Summer 2013 Effective Spring 2015*

**PLB 803**  
Integrative Topics in Plant Biology  
Spring of even years. 1 to 2 credits. A student may earn a maximum of 4 credits in all enrollments for this course.  
Integrative topics in plant biology. Molecular, physiological, ecological, and evolutionary perspectives. Proposal writing and presentation.  
*Delete Course*

### DEPARTMENT OF RADIOLOGY

**ANTR 211**  
Human Tissues and Cells for Medical Illustrators  
Summer of every year. 3(2-2) R: Not open to students in the College of Natural Science. Approval of department. Not open to students with credit in ZOL 408.  
PCR  
Elementary structure and function of human tissues, cells, and representative biomolecular classes. Virtual histology laboratory.  
*Effective Summer 2013 Effective Spring 2015*

**ANTR 355**  
Human Gross Anatomy Laboratory  
Summer of every year. 1(0-3) P: ANTR 350 or concurrently R: Approval of department. Not open to students with credit in KIN 217.  
PCR  
Introductory, structured laboratory survey of human regional gross anatomy using prosections, medical imaging, and multimedia for students in allied medical fields. Correct usage and pronunciation of medical terminology.  
SA: ANTR 381  
*Effective Summer 2013 Effective Spring 2015*
ANTR 440  Human Anatomic Variation
Spring of even years. 2(2-0) P: ANTR 350 or KIN 216 or ZOL 328
PCR  Human anatomical variation including developmental, pathological and accidental.
       Effective Spring 2014 Effective Spring 2015

ANTR 485  Directed Study in Human Prosection
Fall of every year. Spring of every year. Summer of every year. 2 to 4 credits. A student may earn a
maximum of 15 credits in all enrollments for this course. P: ANTR 350 or ZOL 328 or KIN 217 P:
ANTR 350 or ZOL 328 or KIN 217 or ZOL 320 R: Open only to juniors or seniors. R: Open to
juniors or seniors. Approval of department.
PCR  Prosection of selected regions and isolated structures of preserved human cadavers.
       Effective Fall 2002 Effective Spring 2015

ANTR 490  Special Problems in Anatomy
Fall of every year. Spring of every year. Summer of every year. 1 to 5 credits. A student may earn a
maximum of 15 credits in all enrollments for this course. R: Approval of department.
PCR  Topics from an anatomical field such as gross anatomy, histology, cytology, neuroanatomy, or
embryology.
       SA: ANT 480
       Effective Summer 2013 Effective Spring 2015

DEPARTMENT OF SOCIAL WORK

SW 420  Social Work and Social Policy II
Fall of every year. 3(3-0) P: SW 340 P: SW 340 and (SW 440 or concurrently) and (SW 494A or
concurrently) R: Open to juniors or seniors in the School of Social Work.
Role of social work administrative and agency policy and change processes. Interaction
between social policy and social work services. Overview of policy analysis and select
social welfare policies. Current changes in welfare, health, and civil rights policy and their
impact on social work clients. Diversity, social justice, and international policy issues.
       Effective Spring 2014 Effective Fall 2015

DEPARTMENT OF TEACHER EDUCATION

TE 939  Special Topics in Advanced Qualitative Methodology
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: TE 931
Special topics in advanced methods of qualitative research in education.
       DELETE COURSE
       Effective Fall 2015