

**UNIVERSITY CURRICULUM COMMITTEE AGENDA**  
**Western Kentucky University**

Report to the University Senate

Date: February 26, 2016

From: Liz Sturgeon, Chair

**a. Odgen College of Science and Engineering (OCSE)**

<b>Type of item</b>	<b>Description of Item &amp; Contact Information</b>
Information	<b>Proposal to Revise Course Catalog Listing</b> AGRI 398, Seminar, 1 hr. Contact: Todd Willian, <a href="mailto:todd.willian@wku.edu">todd.willian@wku.edu</a> , x 5969
Information	<b>Proposal to Revise Course Catalog Listing</b> CHEM 116, Introduction to College Chemistry, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 5074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 299, Introduction to Chemical Research, 1-3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 5074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 314, Introductory Organic Chemistry, 5 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 320, Principles of Inorganic Chemistry, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 399, Research Problems in Chemistry, 1-3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 412, Introduction to Physical Chemistry, 5 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 420, Inorganic Chemistry, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 421, Inorganic Chemistry Laboratory, 1 hr. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 430, Forensic Chemistry, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 435, Instrumental Analysis, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074

<b>Type of item</b>	<b>Description of Item &amp; Contact Information</b>
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 450, Physical Chemistry I, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 451, Physical Chemistry I Laboratory, 2 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 452, Physical Chemistry II, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 462, Bioinorganic Chemistry, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 476, Advanced Investigations in Chemistry Laboratory, 2 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> CHEM 490, Materials Chemistry, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Information	<b>Proposal to Revise Course Catalog Listing</b> GEOG 210, Ecological and Environmental Policy, 3 hrs. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Information	<b>Proposal to Revise Course Catalog Listing</b> GEOG 328, Elements of Biogeography, 3 hrs. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Information	<b>Proposal to Revise Course Catalog Listing</b> GEOG 344, Environmental Ethics, 3 hrs. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> GEOG 380, Global Sustainability, 3 hrs. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Information	<b>Proposal to Revise Course Catalog Listing</b> GEOG 385, Society, Resources, and Climate, 3 hrs. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Information	<b>Proposal to Revise Course Catalog Listing</b> GEOG 427, Water Resources Management, 3 hrs. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> GEOL 113, The Earth Laboratory, 1 hr. Contact: Fred Siewers, <a href="mailto:fred.siewers@wku.edu">fred.siewers@wku.edu</a> , x 5988
Information	<b>Proposal to Delete a Program</b> Ref. 298, Associate in Water Resource Management, 60 hrs. Contact: Jason Polk, <a href="mailto:jason.polk@wku.edu">jason.polk@wku.edu</a> , x 55015
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> MATH 205, Number Systems and Number Theory for Teachers Contact: Hope Marchionda, <a href="mailto:hope.marchionda@wku.edu">hope.marchionda@wku.edu</a> , x 52961

<b>Type of item</b>	<b>Description of Item &amp; Contact Information</b>
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> MATH 206, Fundamentals of Geometry for Teachers Contact: Hope Marchionda, <a href="mailto:hope.marchionda@wku.edu">hope.marchionda@wku.edu</a> , x 52961
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> MATH 304, Functions, Applications, and Explorations Contact: Hope Marchionda, <a href="mailto:hope.marchionda@wku.edu">hope.marchionda@wku.edu</a> , x 52961
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> MATH 308, Rational Number and Data Analysis Contact: Hope Marchionda, <a href="mailto:hope.marchionda@wku.edu">hope.marchionda@wku.edu</a> , x 52961
Information	<b>Proposal to Revise Course Prerequisites/Corequisites</b> PSYS 462, Neurosciences of Learning and Memory, 3 hrs. Contact: Sharon Mutter, <a href="mailto:sharon.mutter@wku.edu">sharon.mutter@wku.edu</a> , x 54389
Information	<b>Proposal to Delete a Program</b> Ref. 363, Minor in Environmental Studies, 23 hrs. Contact: David Keeling, <a href="mailto:david.keeling@wku.edu">david.keeling@wku.edu</a> , x 54555
Consent	<b>Proposal to Revise a Program</b> Ref. 205, Associate Degree in Agricultural Technology and Management – Turf and Golf Course Management Option, 60 hrs. Contact: Todd Willian, <a href="mailto:todd.willian@wku.edu">todd.willian@wku.edu</a> , x 5969
Consent	<b>Proposal to Revise Course Credit Hours</b> AGRI 175, University Experiences – Agriculture Majors, 2 hrs. Contact: Paul Woosley, <a href="mailto:paul.woosley@wku.edu">paul.woosley@wku.edu</a> , x 5967
Consent	<b>Proposal to Discontinue Course Equivalencies</b> AGRI 280, Introduction to Environmental Science, 3 hrs. Contact: Todd Willian, <a href="mailto:todd.willian@wku.edu">todd.willian@wku.edu</a> , x 5969
Consent	<b>Proposal to Create a New Course</b> AGMC 425, Applied Hydraulics and Pneumatics, 3 hrs. Contact: Cris Scudder, <a href="mailto:cris.scudder@wku.edu">cris.scudder@wku.edu</a> , x 52969
Consent	<b>Proposal to Create a New Course</b> AGRI 397, Agriculture Career Planning, 1 hr. Contact: Todd Willian, <a href="mailto:todd.willian@wku.edu">todd.willian@wku.edu</a> , x 5969
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> AGRO 317, Plant Pathology, 3 hrs. Contact: Todd Willian, <a href="mailto:todd.willian@wku.edu">todd.willian@wku.edu</a> , x 5969
Consent	<b>Proposal to Create a New Course</b> BIOL 212, Genome Discover, 2 hrs. Contact: Rodney King, <a href="mailto:rodney.king@wku.edu">rodney.king@wku.edu</a> , x 6910
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> CHEM 120, College Chemistry I, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> CHEM 222, College Chemistry II, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> CHEM 223, College Chemistry II Laboratory, 3 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074

<b>Type of item</b>	<b>Description of Item &amp; Contact Information</b>
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> CHEM 421, Inorganic Chemistry Lab, 2 hrs. Contact: Darwin Dahl, <a href="mailto:darwin.dahl@wku.edu">darwin.dahl@wku.edu</a> , x 55074
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> GEOG 452, Geoscience Field Experiences, 3-6 hrs. Contact: Amy Nemon, <a href="mailto:amy.nemon@wku.edu">amy.nemon@wku.edu</a> , x 53082
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> GEOG 465, Geography of Asia, 3 hrs. Contact: Jun Yan, <a href="mailto:jun.yan@wku.edu">jun.yan@wku.edu</a> , x 55982
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> GEOG 471, Natural Resource Management, 3 hrs. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> GEOG 474, Environmental Planning, 3 hrs. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> GEOG 486, Environmental Seminar, 1 hr. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> GEOG 487, Environmental Law, 3 hrs. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Consent	<b>Proposal to Make Multiple Revisions to a Course</b> GEOG 489, Alternatives in Sustainability, 3 hrs. Contact: Leslie North, <a href="mailto:leslie.north@wku.edu">leslie.north@wku.edu</a> , x 5982
Consent	<b>Proposal to Revise a Program</b> Ref. 675, Geography and Environmental Studies, 52 hrs. Contact: David Keeling, <a href="mailto:david.keeling@wku.edu">david.keeling@wku.edu</a> , x 54555
Consent	<b>Proposal to Revise a Program</b> Ref. 477, Minor in Environment and Sustainability, 22 hrs. Contact: David Keeling, <a href="mailto:david.keeling@wku.edu">david.keeling@wku.edu</a> , x 54555
Consent	<b>Proposal to Revise a Program</b> Ref. 577, Geology Extended (B.S.), 52 hrs. Contact: David Keeling, <a href="mailto:david.keeling@wku.edu">david.keeling@wku.edu</a> , x 54555
Consent	<b>Proposal to Revise a Program</b> Ref. 676, Geology (A.B.), 33 hrs. Contact: David Keeling, <a href="mailto:david.keeling@wku.edu">david.keeling@wku.edu</a> , x 54555
Consent	<b>Proposal to Create a New Course</b> MATH 112, Problem Solving & Math Skills for Teachers Contact: Hope Marchionda, <a href="mailto:hope.marchionda@wku.edu">hope.marchionda@wku.edu</a> , x 52961
Consent	<b>Proposal to Create a New Course</b> MATH 115, Applied College Algebra, 3 hrs. Contact: Leslie Plumlee, <a href="mailto:leslie.plumlee@wku.edu">leslie.plumlee@wku.edu</a> , x 56210
Consent	<b>Proposal to Create a New Course</b> MATH 225, Intro to Advanced Mathematics for Middle Grade Tchrs Contact: Hope Marchionda, <a href="mailto:hope.marchionda@wku.edu">hope.marchionda@wku.edu</a> , x 52961

Consent	<b>Proposal to Make Multiple Revisions to a Course</b> MATH 490, Seminar in Middle Grades Mathematics Contact: Hope Marchionda, <a href="mailto:hope.marchionda@wku.edu">hope.marchionda@wku.edu</a> , x 52961
Consent	<b>Proposal to Revise a Program</b> Ref. 730, Middle Grades Mathematics, 32-33 hrs. Contact: Hope Marchionda, <a href="mailto:hope.marchionda@wku.edu">hope.marchionda@wku.edu</a> , x 52961
Consent	<b>Proposal to Create a New Course</b> PSYS 160, Introduction to Biopsychology, 3 hrs. Contact: Andy Mienaltowski, <a href="mailto:andy.mienaltowski@wku.edu">andy.mienaltowski@wku.edu</a> , x 56475

**b. College of Health and Human Services (CHHS)**

Information	<b>Revise Course Prerequisites/Corequisites</b> IDFM 222 CAD in Human Environment Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Information	<b>Revise Course Prerequisites/Corequisites</b> IDFM 333 Fashion Fundamentals Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Information	<b>Revise Course Prerequisites/Corequisites</b> IDFM 334 Apparel Design Management Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Information	<b>Revise Course Prerequisites/Corequisites</b> IDFM 344 Digital Rendering for Interiors Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Information	<b>Revise Course Prerequisites/Corequisites</b> IDFM 410 IDFM Internship Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Information	<b>Revise Course Prerequisites/Corequisites</b> IDFM 421 Portfolio Design Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Information	<b>Revise Course Prerequisites/Corequisites</b> IDFM 422 Textile Design and Performance Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Information	<b>Revise Course Prerequisites/Corequisites</b> IDFM 427 Visual Design III Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Information	<b>Revise Course Prerequisites/Corequisites</b> IDFM 431 Clothing and Human Behavior Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Information	<b>Revise Course Prerequisites/Corequisites</b> IDFM 432 Visual Merchandising and Promotion Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Information	<b>Revise Course Catalog Listing</b> IDFM 223 Textiles Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105

Information	<b>Delete a Course</b> IDFM 435 Computer Applications in Textiles and Apparel Merchandising Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Consent	<b>Make Multiple Revisions to a Course</b> IDFM 322 Merchandising I for DMT Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Consent	<b>Make Multiple Revisions to a Course</b> IDFM 438 Merchandising II for DMT Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Consent	<b>Revise a Program</b> 485 Minor in Textiles & Apparel Merchandising Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105
Consent	<b>Revise a Program</b> 531 Interior Design & Fashion Merchandising Contact: Sheila Flener, <a href="mailto:sheila.flener@wku.edu">sheila.flener@wku.edu</a> , 745-4105

c. **Potter College of Arts & Letters (PCAL)**

Consent	<b>Proposal to Create a New Course</b> HIST 308—Conflict, Culture and Commerce in the Medieval Mediterranean Contact: Jeffrey Miner, <a href="mailto:jeffrey.miner@wku.edu">jeffrey.miner@wku.edu</a> 650.714.9581
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d. Military Absence Policy

e. Discontinue Course Equivalencies Proposal

Proposal Date: January 12, 2016

**Ogden College of Science and Engineering  
Department of Agriculture  
Proposal to Revise Course Catalog Listing  
(Consent Item)**

Contact Person: Todd Willian, todd.willian@wku.edu, (270) 745-5969

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: AGRI 398
- 1.2 Course title: Seminar

**2. Current course catalog listing:** Current literature from representative journals in the field of agricultural research is reviewed orally by students. Discussion, one hour. A general and specific track seminar are required.

**3. Proposed course catalog listing:** Current literature from representative journals in the field of agricultural research is reviewed orally by students. Discussion, one hour.  
**(aim for 25 words or less)**

**4. Rationale for revision of the course catalog listing:** This course currently is taught as one of two required seminars under the same number: AGRI 398. One of these required seminar tracks is being changed to AGRI 397 (Agriculture Career Planning); therefore, language regarding general and specific tracks is no longer applicable.

**5. Proposed term for implementation: Fall 2016**

**6. Dates of prior committee approvals:**

Department of Agriculture

January 28, 2016

OCSE Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

February 25, 2016

University Senate

Proposal Date: 01/29/16

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Catalog Listing  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, darwin.dahl@wku.edu, (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 116
- 1.2 Course title: INTRODUCTION TO COLLEGE CHEMISTRY

**2. Current course catalog listing:**

Prerequisite: MATH 116 or higher. A one-semester course for students desiring a general survey of chemistry with a mathematical emphasis. An introductory course for College Chemistry students whose ACT score in science and / or mathematics, or whose Chemistry Placement Exam scores would indicate marginal success in CHEM 120. Does not count toward a major / minor in chemistry nor does it satisfy the requirements for certain consumer and family science or agriculture majors. CHEM 106 laboratory is optional. A student cannot use both CHEM 101 and 116 for general education credit. Colonnade E-NS | NS

**3. Proposed course catalog listing:**

Corequisite or Prerequisite: MATH 116 or higher. A one-semester course for students desiring a general survey of chemistry with a mathematical emphasis. An introductory course for College Chemistry students whose ACT score in mathematics would indicate marginal success in CHEM 120. Does not count toward a major / minor in chemistry nor does it satisfy the requirements for certain consumer and family science or agriculture majors. CHEM 106 laboratory is optional. Colonnade E-NS | NS

**4. Rationale for revision of the course catalog listing:**

The CPE exam will no longer be used for placement into chemistry courses. The statements pertaining to general education requirements are redundant and have been deleted.

**5. Proposed term for implementation:** Fall 2016

**6. Dates of prior committee approvals:**

Department of Chemistry	01/29/2016
Ogden College Curriculum Committee	<u>2/4/16</u>
Undergraduate Curriculum Committee	February 25, 2016
University Senate	



Proposal Date: 12/04/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 299
- 1.2 Course title: INTRODUCTION TO CHEMICAL RESEARCH

**2. Current prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 222-223 with a grade of "C" or better or consent of instructor.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisites: Consent of a faculty research advisor.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The revised prerequisites allow for students to pursue research studies for credit, with appropriate mentorship, at the introductory level of the chemistry curriculum.

**5. Effect on completion of major/minor sequence:**

Not applicable. Not a required course.

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

**12/04/2015**

Ogden College Curriculum Committee

**02/04/16**

Undergraduate Curriculum Committee

02/25/2016

University Senate

Proposal Date: 11/20/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 314
- 1.2 Course title: INTRODUCTORY ORGANIC CHEMISTRY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 222-223 or permission of instructor.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 222-223 with a grade of "C" or better.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The proposed revisions are necessary to ensure that students have adequately mastered the prerequisite coursework before taking this course.

**5. Effect on completion of major/minor sequence:**

Not applicable

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

**11/20/2015**

Ogden College Curriculum Committee

**02/04/16**

Professional Education Council

**2/10/16**

Undergraduate Curriculum Committee

02/25/2016

University Senate

Proposal Date: 11/20/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 320
- 1.2 Course title: PRINCIPLES OF INORGANIC CHEMISTRY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 222-223.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 222-223 with a grade of "C" or better.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The proposed revisions are necessary to ensure that students have adequately mastered the prerequisite coursework before taking this course.

**5. Effect on completion of major/minor sequence:**

Not applicable

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

**11/20/2015**

Ogden College Curriculum Committee

**2/4/16**

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 12/04/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 399
- 1.2 Course title: RESEARCH PROBLEMS IN CHEMISTRY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 452-453 or consent of instructor.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisites: Consent of a faculty research advisor.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The revised prerequisites allow for students to pursue in-depth research studies for credit, with appropriate mentorship, as early as the sophomore year of the chemistry curriculum.

**5. Effect on completion of major/minor sequence:**

Students can take this required course earlier in their undergraduate career, which provides additional opportunities for academic growth and professional development through research.

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

12/04/2015

Ogden College Curriculum Committee

2/4/16

Professional Education Council

2/10/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 01/29/16

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 412
- 1.2 Course title: INTRODUCTION TO PHYSICAL CHEMISTRY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 330 with a grade of "C" or better and MATH 117 or higher with a grade of "C" or better.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisites: A grade of "C" or better in CHEM 314 or 340; CHEM 330; MATH 136; PHYS 231 or 255.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The proposed revisions are necessary to ensure that students have completed and sufficiently mastered prerequisite coursework and cognate coursework in mathematics and physics before taking this course.

**5. Effect on completion of major/minor sequence:**

Students will have to take one semester of calculus and one semester of physics in order to complete the major. This course is an elective for chemistry minors.

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

01/29/16

Ogden College Curriculum Committee

02/04/16

Professional Education Council

2/10/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 12/04/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 420
- 1.2 Course title: INORGANIC CHEMISTRY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 452-453 or concurrently with 452-453.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 450-451 with a grade of "C" or better.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

CHEM 450-451 is the prerequisite for CHEM 452-453. The proposed revisions are equivalent but simpler and ensure students have mastered the prerequisite coursework before taking this course.

**5. Effect on completion of major/minor sequence:**

Not applicable

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

12/04/2015

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 11/20/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 421
- 1.2 Course title: INORGANIC CHEMISTRY LABORATORY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisite: CHEM 420.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisite or corequisite: CHEM 420 with a grade of "C" or better.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The proposed revisions allow the course to be taken concurrently with or after CHEM 420; for the latter case, students must have mastered the prerequisite material before taking this course.

**5. Effect on completion of major/minor sequence:**

Not applicable

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

11/20/2015

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 12/04/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 430
- 1.2 Course title: FORENSIC CHEMISTRY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisite: CHEM 330.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisite: CHEM 314 or 340 and CHEM 330 with a grade of "C" or better.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The proposed revisions are necessary to ensure that students have mastered the prerequisite material in both organic and analytical chemistry before taking this course.

**5. Effect on completion of major/minor sequence:**

Not applicable. CHEM 430 is not a required course for the major.

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

12/04/2015

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 12/04/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 435
- 1.2 Course title: INSTRUMENTAL ANALYSIS

**2. Current prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 452-453.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisites or corequisites: CHEM 450-451 with a grade of "C" or better.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

Students frequently require an exception to take CHEM 435 and CHEM 450-451 concurrently in order to graduate within four years. The prerequisites for CHEM 450-451 ensure that students are sufficiently prepared for CHEM 435.

**5. Effect on completion of major/minor sequence:**

The revised pre/corequisites streamline entry into CHEM 435. With this change a common prerequisite override is avoided, which allows student to complete most of the upper-level course requirements for the major in one year.

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

12/04/2015

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 450
- 1.2 Course title: PHYSICAL CHEMISTRY I

**2. Current prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 330 and PHYS 265. Corequisites: CHEM 451 and MATH 137.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisites: A grade of "C" or better in CHEM 314 or 340; CHEM 330; PHYS 231 or 255.  
Corequisite: CHEM 451. Prerequisites or corequisites: A grade of "C" or better in MATH 137;  
PHYS 332 or 265.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The proposed revisions are necessary to ensure that students have completed and sufficiently mastered the prerequisite chemistry coursework and cognate coursework in mathematics and physics before taking this course.

**5. Effect on completion of major/minor sequence:**

Not applicable

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

01/29/16

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

Proposal Date: 11/20/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 451
- 1.2 Course title: PHYSICAL CHEMISTRY I LABORATORY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisite: CHEM 330. Corequisite: CHEM 450.

**3. Proposed prerequisites/corequisites/special requirements:**

Corequisite: CHEM 450

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The corequisite CHEM 450 requires CHEM 330 as a prerequisite. The proposed revisions are equivalent but more concise.

**5. Effect on completion of major/minor sequence:**

Not applicable

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

11/20/2015

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 11/20/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 452
- 1.2 Course title: PHYSICAL CHEMISTRY II

**2. Current prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 450-451. Corequisite: CHEM 453.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 450-451 with a grade of "C" or better. Corequisite: CHEM 453.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The proposed revisions are necessary to ensure that students have adequately mastered the prerequisite material before taking this course.

**5. Effect on completion of major/minor sequence:**

Not applicable

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

11/20/2015

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 11/20/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 462
- 1.2 Course title: BIOINORGANIC CHEMISTRY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisite: CHEM 314 or equivalent.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisite: CHEM 314 or 340 with grade of "C" or better.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The proposed revisions are necessary to ensure that students have adequately mastered the prerequisite material before taking this course.

**5. Effect on completion of major/minor sequence:**

Not applicable

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

11/20/2015

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 11/20/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 476
- 1.2 Course title: ADVANCED INVESTIGATIONS IN CHEMISTRY LABORATORY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisite: CHEM 314 or 343.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisite: Permission of the instructor.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The proposed revisions are necessary to ensure that students have the prerequisite laboratory skills before taking this course.

**5. Effect on completion of major/minor sequence:**

Not applicable

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

11/20/2015

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 11/20/2015

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CHEM 490
- 1.2 Course title: MATERIALS CHEMISTRY

**2. Current prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 412 or 452 and CHEM 330, or equivalent.

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisites: CHEM 330 and CHEM 412 or 452 with a grade of "C" or better.

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

The proposed revisions are necessary to ensure that students have adequately mastered the prerequisite material before taking this course.

**5. Effect on completion of major/minor sequence:**

Not applicable

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Department of Chemistry

11/20/2015

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise Course Catalog Listing  
(Consent Item)**

Contact Person: Leslie North, 5-5982, leslie.north@wku.edu

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: GEOG 210
- 1.2 Course title: Ecological and Environmental Policy

**2. Current course catalog listing:** A survey of the geography, history, and current conditions of environment and ecological policy development and decision-making, particularly in the U.S. with an examination of the human element as a functional variable within the natural environment.

**3. Proposed course catalog listing:**

A survey of the geography, history, and current conditions of environmental policy and regulation development, particularly in the United States, with an emphasis on humans as an integral component of the natural environment.

**4. Rationale for revision of the course catalog listing:** The new course listing more clearly conveys the topics of GEOG 210 and uses clearer language.

**5. Proposed term for implementation:** Fall 2016

**6. Dates of prior committee approvals:**

Department of Geography and Geology

12/4/2015

Ogden College Curriculum Committee

2/4/2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise Course Catalog Listing  
(Consent Item)**

Contact Person: Leslie North, 5-5982, leslie.north@wku.edu

- 1. Identification of course:**
  - 1.1 Course prefix (subject area) and number: GEOG 328
  - 1.2 Course title: Elements of Biogeography
- 2. Current course catalog listing:** An examination of interrelationships between climatic factors, vegetational biomes, and soil forming processes, as well as human alteration of the biogeographical environment.
- 3. Proposed course catalog listing: (aim for 25 words or less)**

An examination of the spatial interaction and distribution of global biomes. This course examines, through examples at a variety of spatial and ecological scales, the development of human-induced and naturally-occurring biogeographical changes.
- 4. Rationale for revision of the course catalog listing:** The new course listing more clearly conveys the topics of GEOG 328.
- 5. Proposed term for implementation:** Fall 2016
- 6. Dates of prior committee approvals:**

Department of Geography and Geology

Ogden College Curriculum Committee

Undergraduate Curriculum Committee

University Senate

12/4/2015

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2/4/2016

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02/25/2016

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Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise Course Catalog Listing  
(Consent Item)**

Contact Person: Leslie North, 5-5982, leslie.north@wku.edu

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: GEOG 344
- 1.2 Course title: Environmental Ethics

**2. Current course catalog listing:** Examination of ethical and environmental theory, environmental policy evaluations, philosophy of technology and relevance of environmental ethics in geographic analysis and everyday life.

**3. Proposed course catalog listing: (aim for 25 words or less)**

Examination of how environmental ethics and philosophy determine the use and alteration of the natural environment by humans. Analysis of human responsibility towards protecting the environment, environmental decision-making, sustainable development, and respect for indigenous cultures.

**4. Rationale for revision of the course catalog listing:** The new course listing more clearly conveys the topics of GEOG 344, using clearer language, particularly since GEOG 210: Environment and Ecological Policy has been adapted to cover a portion of the content previously covered in the ethics course.

**5. Proposed term for implementation:** Fall 2016

**6. Dates of prior committee approvals:**

Department of Geography and Geology

12/4/2015

Ogden College Curriculum Committee

2/4/2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Leslie North, [leslie.north@wku.edu](mailto:leslie.north@wku.edu), 5-5982

- 1. Identification of course:**
  - 1.1 Course prefix (subject area) and number: GEOG 380
  - 1.2 Course title: Global Sustainability
- 2. Current prerequisites:** 21 hours of Foundations and Exploration Courses, or junior status.
- 3. Proposed prerequisites:** GEOG 280 OR GEOG/GEOL103 OR instructor's permission; For Colonnade, 21 hours of Foundations and Exploration Courses or junior status.
- 4. Rationale for the revision of prerequisites:** An attempt was made to teach the course without an environmental science prerequisite. Without this prerequisite, however, the content that should be covered must be taught at such a low level that the educational experience is eroded. Ensuring students have an environmental science prerequisite should help to ensure the content can be presented as originally intended in the course objectives.
- 5. Effect on completion of major/minor sequence:** No effect on majors/minors as they are already required to take GEOG 280 and GEOG/GEOL 103. Any effects would be on students wishing to take the course purely as part of their Colonnade requirements, but both the GEOG 280 and GEOG/GEOL 103 courses are also approved courses in the Colonnade program, so adding this prerequisite does not affect Colonnade requirements.
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

Department of Geography and Geology  
Ogden College Curriculum Committee  
Undergraduate Curriculum Committee  
University Senate

12/4/2015

2/4/2016

02/25/2016

Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise Course Catalog Listing**

Contact Person: Leslie North, 5-5982, leslie.north@wku.edu

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: GEOG 385
- 1.2 Course title: Society, Resources, and Climate

**2. Current course catalog listing:** Discussion of global climate change from a societal and resource perspective. A basic understanding of global climate change and how humans affect such change by studying characteristics such as population size, natural resources, policy, personal behavior, and societal choices.

**3. Proposed course catalog listing: (aim for 25 words or less)** Discussion of global climate change from a societal and resource perspective; particularly how humans affect global climate change through population size, natural resource use, policy implementation, personal behavior, and societal norms, and vice versa.

**4. Rationale for revision of the course catalog listing:** The revised course listing more clearly conveys the topics of GEOG 385. Unexpectedly, this course was taught in the same semester as another climate change course (designed to have a different focus) and, through the courses being taught at the same time, the Department became aware of a need to be clearer in the description of the course due to content confusion by students. The content of GEOG 385 remains the same, but the description of the course is changed to reflect the difference between the two courses more accurately.

**5. Proposed term for implementation:** Fall 2016

**6. Dates of prior committee approvals:**

Department of Geography and Geology

12/4/2015

Ogden College Curriculum Committee

2/4/2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise Course Catalog Listing**

Contact Person: Leslie North, 5-5982, leslie.north@wku.edu

- 1. Identification of course:**
  - 1.1 Course prefix (subject area) and number: GEOG 427
  - 1.2 Course title: Water Resource Management
- 2. Current course catalog listing:** Opportunities and constraints of natural hydrological processes in maintaining or reclaiming environmental quality. Storm water runoff, floods, droughts, and water resources planning, and development and management.
- 3. Proposed course catalog listing: (aim for 25 words or less):** Examines the use, management, and conservation of water resources. Discusses environmental, economic, political, and social implications of water usage, as well as emerging trends in water availability, pollution, regulation, and technology.
- 4. Rationale for revision of the course catalog listing:** The revised course description more clearly conveys the topics of GEOG 427; particularly, the language helps further distinguish it from other water-related courses in the program. The objectives of the course remain unchanged; the proposed catalog listing change simply makes these distinctions clearer for students.
- 5. Proposed term for implementation:** Fall 2016
- 6. Dates of prior committee approvals:**

Department of Geography and Geology

12/4/2015

Ogden College Curriculum Committee

2/4/2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise Course Prerequisites/Corequisites**

Contact Person: Fred Siewers, Fred.Siewers@wku.edu, 5-5988

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: GEOL 113
- 1.2 Course title: The Earth Laboratory

**2. Current corequisite: GEOL 111**

**3. Proposed prerequisites/corequisites: Prerequisite or Corequisite GEOL 111 OR GEOG/GEOL 103**

**4. Rationale for the revision of prerequisites/corequisites:** Students who try to take this course one semester or later after taking GEOL 111 or GEOG/GEOL 103 are blocked from registration, which then requires a manual override. This course is designed to be a stand-alone laboratory course for GEOL 111 or GEOG/GEOL 103, so it should be stated as either a prerequisite or a corequisite requirement.

**5. Effect on completion of major/minor sequence: None**

**6. Proposed term for implementation: Fall 2016**

**7. Dates of prior committee approvals:**

Department of Geography and Geology

12/4/2015

Ogden College Curriculum Committee

2/4/2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

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**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Delete a Program**

Contact Person: Jason Polk, [jason.polk@wku.edu](mailto:jason.polk@wku.edu), 270-745-5015

**1. Identification of program:**

- 1.1 Program reference number: 298
- 1.2 Program title: Water Resource Management
- 1.3 Credit hours: 60

**2. Rationale for the program deletion:** The WTI program was part of an NSF-funded grant that established an online AS degree for water operators. The program has been relocated a number of times, most recently to the Department of Geography and Geology in partnership with DELO, and the numbers of majors has declined significantly in the past several years due to a lack of tuition scholarships (provided by the NSF grant), low initial number of enrollees, and general lack of need for the career track. Currently, we have no instructors on campus that teach the courses, with adjuncts being the primary instructors, and enrollment in the courses is often 0-5 students; hence, the program is not sustainable, nor is the Department interested in maintaining an AS program at a predominantly baccalaureate offering institution without the necessary resources to administer the program or a demand for its need.

**3. Effect on current students or other departments, if known:**

There should be no effect on other departments or degree programs. For the current majors, a total of five declared and two actively enrolled, we will maintain the necessary online courses to attempt to help them complete their degrees based on their collective needs and an exit plan to complete these in a timely manner; however, these students are nontraditional for the most part and all of them have been in the program for a number of years and only take 1-2 courses per year. I have personally contacted and advised the students in the program at this point, and none are actively taking courses in the spring semester nor do they have a definitive deadline for completing their degree program. If they cannot complete the necessary courses within their allotted degree time, we will seek alternative programs for them to transfer the courses.

**4. Proposed term for implementation:** Fall 2016

**5. Dates of prior committee approvals:**

Department of Geography and Geology	<u>12/4/2015</u>
Ogden College Curriculum Committee	<u>2/4/2016</u>
Undergraduate Curriculum Committee	<u>02/25/2016</u>
University Senate	_____

**Ogden College of Science and Engineering  
Mathematics Department  
.....Proposal to Revise Course Prerequisites #**

Contact Person: Hope Marchionda, [hope.marchionda@wku.edu](mailto:hope.marchionda@wku.edu), 5-2961

- 1. Identification of course:**
  - 1.1 Course prefix (subject area) and number: MATH 205
  - 1.2 Course title: Number Systems and Number Theory for Teachers
  
- 2. Current prerequisites/corequisites/special requirements:**

Prerequisite: Completion of General Education Math course with grade of C or better
  
- 3. Proposed prerequisites/corequisites/special requirements:**

Prerequisite: MATH 112 or 116 or 117 or 136 or 183 with a grade of C or better
  
- 4. Rationale for the revision of prerequisites/corequisites/special requirements:**

Based on departmental evaluation of student success in MATH 205, MATH 112 was created to replace MATH 109T (a special section of MATH 109 for elementary education majors) and eliminate MATH 109, which is intended as a terminal course, as a prerequisite. In addition, listing the other Colonnade courses that satisfy the prerequisite eliminates confusion.
  
- 5. Effect on completion of major/minor sequence:**

None
  
- 6. Proposed term for implementation:**

Fall 2017
  
- 7. Dates of prior committee approvals:**

Mathematics Department	1-21-16
Ogden College Curriculum Committee	<u>02/04/16</u>
Professional Education Council	<u>2/10/16</u>
Undergraduate Curriculum Committee	<u>02/25/2016</u>
University Senate	_____



**Ogden College of Science and Engineering  
Mathematics Department  
Proposal to Revise Course Prerequisites #**

Contact Person: Hope Marchionda, [hope.marchionda@wku.edu](mailto:hope.marchionda@wku.edu), 5-2961

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: MATH 206
- 1.2 Course title: Fundamentals of Geometry for Teachers

**2. Current prerequisites/corequisites/special requirements:**

Prerequisite: Completion of general education math course and MATH 205 with grades of C or better

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisite: MATH 205 with grade of C or better

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

In addition to a change in University terminology, the requirement to complete a Colonnade class is prerequisite for MATH 205. The proposed change eliminates redundancy.

**5. Effect on completion of major/minor sequence:**

None

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Mathematics Department	1-21-16
Ogden College Curriculum Committee	<u>02/04/16</u>
Professional Education Council	<u>2/10/16</u>
Undergraduate Curriculum Committee	<u>02/25/2016</u>
University Senate	_____

**Ogden College of Science and Engineering  
Mathematics Department**

**..... Proposal to Revise Course Prerequisites #**

Contact Person: Hope Marchionda, [hope.marchionda@wku.edu](mailto:hope.marchionda@wku.edu), 5-2961

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: MATH 304
- 1.2 Course title: Functions, Applications, and Explorations

**2. Current prerequisites/corequisites/special requirements:**

Prerequisite: MATH 136 with a grade of C or better, or permission of instructor

**3. Proposed prerequisites/corequisites/special requirements:**

Prerequisite: MATH 137 or MATH 225 with a grade of C or better

**4. Rationale for the revision of prerequisites/corequisites/special requirements:**

Departmental evaluation of student success in MATH 304 indicated that students possessed deficiencies in their ability to generalize, reason abstractly, and justify their reasoning. As a result, MATH 225 was created to address these issues. By changing the prerequisite to MATH 137 or MATH 225, both middle grades and secondary teachers will have to successfully complete at least two courses that require a higher level of abstract thinking.

**5. Effect on completion of major/minor sequence:**

None

**6. Proposed term for implementation:**

Fall 2017

**7. Dates of prior committee approvals:**

Mathematics Department

1-21-16

Ogden College Curriculum Committee

02/04/16

Professional Education Council

2/10/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: January 4, 2016

**Ogden College of Science and Engineering  
Department of Psychological Science  
Proposal to Revise Course Prerequisites/Corequisites**

Contact Person: Sharon Mutter, sharon.mutter@wku.edu, 5-4389

- 1. Identification of course:**
  - 1.1 PSYS 462
  - 1.2 Course title: Neuroscience of Learning and Memory
- 2. Current prerequisites/corequisites/special requirements:** PSYS 331 or PSYS 333, or PSYS 360 or permission of the instructor
- 3. Proposed prerequisites/corequisites/special requirements:** PSYS 210 and PSY 211 with a C or better or permission of the instructor
- 4. Rationale for the revision of prerequisites/corequisites/special requirements:** Successful performance in the class does not require a background in the current prerequisite courses but students will need a basic understanding of research methods and experimental design in psychological science.
- 5. Effect on completion of major/minor sequence:** None
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

Department of Psychological Sciences

OCSE Curriculum Committee

University Curriculum Committee

University Senate

January 27, 2016

02/04/16

02/25/2016



Proposal Date: January 4, 2016

**Ogden College of Science and Engineering  
Department of Agriculture  
Proposal to Revise a Program**

Contact Person: Todd Willian, todd.willian@wku.edu, (270) 745-5969

**1. Identification of program:**

- 1.1 Current program reference number: 205
- 1.2 Current program title: Associate Degree in Agricultural Technology and Management – Turf and Golf Course Management Option
- 1.3 Credit hours: 60

**2. Identification of the proposed program changes:** Clarifications of general education categories in Colonnade, as compared to the current WKU general education requirements are being identified and proposed.

**3. Detailed program description:**

Current	Proposed
See attached	See attached

**4. Rationale for the proposed program change:** Changes have been made in the WKU general education system. The proposed changes in this associate degree program align its general education courses with the appropriate Colonnade categories.

**5. Proposed term for implementation: Fall 2016**

**6. Dates of prior committee approvals:**

Department of Agriculture

October 29, 2015

OCSE Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Program Reference Number: 205

Program Title: Associate Degree in Agricultural  
Technology and Management – Turf and Golf  
Course Management Option

**Current**

- I. Required General Education  
Courses - 26 Hours
  - A. ENG 100 (3)  
BIOL 120/121 (4)  
CHEM 105/106 (4)  
~~SCOM 161 (3)~~  
MATH 116 (3)
  - B. Humanities Elective (3)
  - C. Social & Behavioral Studies (3)  
~~AGRI 108 (3)~~
- II. Required Agriculture Courses – 27  
Hours
  - AGRO 110 (3)
  - AGRO 350 (3)
  - AGMC 170/171 (3)
  - AGMC 172/173 (3)
  - AGMC 270/271 (3)
  - AGMC 272/273 (3)
  - AGMC 371/372 (3)
  - AGMC 392/393 (3)
  - HORT 313 (3)
- III. Agriculture Electives – 7 Hours  
Electives to complete 60 hours can  
come from any of the following  
areas: AGECE, AGRI, HORT,  
AGRO and/or AGMC

**Proposed**

- I. Required General Education  
Courses – 23 Hours
  - College Composition (WC)  
ENG 100 (3)  
**COMM 145 (3)**
  - Arts & Humanities (AH)  
AH course (3)
  - Social & Behavioral  
Sciences (SB)  
SB course (3)
  - Quantitative Reasoning  
(QR)  
Natural and Physical  
Sciences  
MATH 116 (3)  
CHEM 105/106 (4)  
BIOL 120/121 (4)
- II. Required Agriculture  
Courses – 27 Hours
  - AGRO 110 (3)
  - AGRO 350 (3)
  - AGMC 170/171 (3)
  - AGMC 172/173 (3)
  - AGMC 270/271 (3)
  - AGMC 272/273 (3)
  - AGMC 371/372 (3)
  - AGMC 392/393 (3)
  - HORT 313 (3)
- III. Agriculture Electives – 10  
Hours  
Electives to complete 60  
hours can come from any of  
the following areas: AGECE,  
AGRI, HORT, AGRO  
and/or AGMC

Proposal Date: January 12, 2016

**Ogden College of Science and Engineering  
Department of Agriculture  
Proposal to Revise Course Credit Hours**

Contact Person: Paul Woosley, [paul.woosley@wku.edu](mailto:paul.woosley@wku.edu), (270) 745-5967

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: AGRI 175
- 1.2 Course title: University Experience – Agriculture Majors
- 1.3 Credit hours: 2.0

**2. Proposed course credit hours: 1.0**

**3. Rationale for the revision of course credit hours:** This course utilizes guest speakers and outside assignments to address topics that assist students in transitioning to college as well as develop an academic plan for graduating on schedule. While the department feels this course provides essential information for incoming agriculture students, course content and work load for students mirrors requirements from other 1-credit-hour courses within the department. Additionally, reduction in credit from 2 hours to 1 hour could encourage students to enroll in other courses related to their field of study, especially during their first semester at WKU.

**4. Proposed term for implementation: Fall 2016**

**5. Dates of prior committee approvals:**

Department of Agriculture

January 28, 2016

OCSE Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: October 19, 2015

**Ogden College of Science and Engineering  
Department of Agriculture  
Proposal to Discontinue Course Equivalencies**

Contact Person: Todd Willian, [todd.willian@wku.edu](mailto:todd.willian@wku.edu), 270-745-5969

**1. Identification of the equivalent courses:**

- 1.1 Course prefixes (subject areas) and numbers: AGRI 280, ENV 280/PH 280, BIOL 280, CHEM 280
- 1.2 Course Title: Introduction to Environmental Science

**2. Rationale for discontinuing equivalency:** Currently this course is only being offered regularly in the Departments of Agriculture (AGRI 280) and Public Health (ENV 280), which are housed in different colleges. Public health faculty teach the course from a public health perspective, while agriculture faculty teach from an agriculture perspective. Therefore, we believe that the two courses are substantially different and should no longer be considered equivalent. It is our understanding that CHEM 280 has not been taught since 2002; additionally, it no longer appears in the catalog. The Department of Biology may be considering offering a different course to replace BIOL 280.

**3. Effect of discontinuing equivalency on programs or other departments, if known:** no effect is anticipated.

**4. Proposed new course number:** not applicable

**5. Proposed term for implementation:** Fall 2016

**6. Dates of prior committee approvals:**

Department of Agriculture

October 29, 2015

OCSE Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate



### **3. Discussion of proposed course:**

3.1 Schedule type: C

3.2 Learning Outcomes: Upon completion of this course student should be able to:

- Explain the basic principles of hydraulics and pneumatics.
- Explain how the different types of hydraulic and pneumatic components operate.
- Construct safe, workable hydraulic and pneumatic circuits
- Draw hydraulic and pneumatic circuits using correct symbols.
- Explain the application of hydraulic and pneumatic equipment to agricultural machinery.
- Explain how open-center systems operate.
- Explain how closed-center systems operate.
- Identify the parts of a hydraulic and pneumatic system.
- Do simple troubleshooting of hydraulic and pneumatic systems.
- Disassemble and do simple repairs of hydraulic and pneumatic components.

3.3 Content outline:

3.3.1 Basic physical principles

3.3.2 Symbols and circuit diagrams

3.3.3 Actuators

3.3.4 Pumps

3.3.5 Valves

3.3.6 Accumulators and lines

3.3.7 Motors

3.3.8 Open and closed systems

3.3.9 Hydrostatic drives

3.3.10 System troubleshooting

3.3.11 Conditioning system fluids (air and liquid)

3.4 Student expectations and requirements: Students will be evaluated on:

3.4.1 Written exams and quizzes

3.4.2 Problem solving homework

3.4.3 Attendance

3.4.4 Participation in shop work

3.5 Tentative texts and course materials:

Fluid Power, Hydraulics and Pneumatics by James R. Daines.

ISBN 978-1-60525-081-6 Other references may be assigned.

### **4. Resources:**

4.1 Library resources: None required

4.2 Computer resources: none required

**5. Budget implications:**

- 5.1 Proposed method of staffing: Full time Faculty
- 5.2 Special equipment needed: none
- 5.3 Expendable materials needed: N/A
- 5.4 Laboratory materials needed: N/A

**6. Proposed term for implementation: Fall 2016**

**7. Dates of prior committee approvals:**

Department of Agriculture

1/28/16

OCSE Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: January 7, 2016

**Ogden College of Science and Engineering  
Department of Agriculture  
Proposal to Create a New Course**

Contact Person: Todd Willian, todd.willian@wku.edu, (270) 745-5969

**1. Identification of proposed course:**

- 1.1 Course prefix (subject area) and number: AGRI 397
- 1.2 Course title: Agriculture Career Planning
- 1.3 Abbreviated course title: Agriculture Career Planning  
(maximum of 30 characters or spaces)
- 1.4 Credit hours: 1.0 Variable credit (yes or no) no
- 1.5 Grade type: standard letter grade
- 1.6 Prerequisites/corequisites: Prerequisites: Junior or senior standing in agriculture or permission of instructor.
- 1.7 Course description: Job search preparation, including completion of a resume, cover letter and mock interview. Options for obtaining graduate education and internship experience are also explored. Outside speakers from the agriculture industry are included.

**2. Rationale:**

- 2.1 Reason for developing the proposed course: This course currently is taught as one of two required seminars under the same number: AGRI 398 (Seminar: General). It shares that prefix and number with specific track seminars that differ from it in content and learning outcomes. Development of this 'new' course, AGRI 397, now will accurately reflect the content to both students and potential employers. Henceforth AGRI 398 will refer only to the specific track seminars.
- 2.2 Projected enrollment in the proposed course: 40 to 45 per semester based upon previous offerings.
- 2.3 Relationship of the proposed course to courses now offered by the department: This course complements our AGRI 175 University Experience course. While AGRI 175 orients freshmen students to our department and our university, AGRI 397 completes the learning continuum by preparing upperclassmen for careers within the discipline. Additionally, AGRI 397 is a component of our required core classes for our 4-year and 2-year programs.
- 2.4 Relationship of the proposed course to courses offered in other departments: A number of departments offer similar courses that focus upon career planning for a specific discipline. Examples of comparable courses include GEOG 499 (Professional Preparation), ENV 486 (Senior Environment Health Seminar), BA 495 (Career Development Attendance) and CHEM 398 (Undergraduate Seminar).
- 2.5 Relationship of the proposed course to courses offered in other institutions: Many institutions offer similar courses. Comparable courses include: AGRI 323 (Career Development in Agriculture), Southern Illinois University; Agriculture 100 (Job Search

Skills and Strategies for Technical Careers), Pennsylvania State University; and AEC 301 (Career Readiness for Agriculture Economics), University of Kentucky.

### **3. Discussion of proposed course:**

3.1 Schedule type: L

3.2 Learning Outcomes: Upon completion of this course students will have gained:

- Understanding of how to prepare a professional resume
- Knowledge of how to conduct a job search and prepare a cover letter specific to a particular job posting
- Practical experience in an interview setting via completion of a mock interview
- Familiarity with graduate education opportunities and application procedures
- Knowledge of important issues encountered in the Agri-Business environment via industry speakers

3.3 Content outline:

- Preferred skills agriculture employers seek
- Resume development
- Matching a cover letter to a job description
- Interviewing do's and don'ts
- Job searches
- Graduate study and internship opportunities
- Mock interview performance analysis
- Perspectives of current agriculture professionals

3.4 Student expectations and requirements:

Quizzes, resume development and editing, cover letter preparation, completion of a mock interview.

3.5 Tentative texts and course materials:

Dupuy, G.M. and D.H. Dupuy. (2003) Career Preparation: Transition Guide for College Students. Prentice Hall, 192 p.

Pollak, L. (2007) Getting from College to Career: 90 Things to do Before you Join the Real World. Collins Press, 287 p.

### **4. Resources:**

4.1 Library resources: see Library Resource Form and Bibliography

4.2 Computer resources: adequate

### **5. Budget implications:**

5.1 Proposed method of staffing: Current faculty

5.2 Special equipment needed: none

5.3 Expendable materials needed: none

5.4 Laboratory materials needed: none

### **6. Proposed term for implementation: Fall 2016**

**7. Dates of prior committee approvals:**

Department of Agriculture

January 28, 2016

OCSE Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: October 19, 2015

**Ogden College of Science and Engineering  
Department of Agriculture  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Todd Willian, todd.willian@wku.edu, (270) 745-5969

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: AGRO 317
- 1.2 Course title: Plant Pathology

**2. Revise course title: n/a**

- 2.1 Current course title: n/a
- 2.2 Proposed course title: n/a
- 2.3 Proposed abbreviated title: n/a
- 2.4 Rationale for revision of course title: n/a

**3. Revise course number:**

- 3.1 Current course number: 317
- 3.2 Proposed course number: 418
- 3.3 Rationale for revision of course number: Because of the level of difficulty of this course, in which students are required to learn the scientific names of many pathogenic organisms and their life cycles, we believe it would be more appropriate to offer Plant Pathology at the 400 level. Moreover, the Agriculture Department attempts to group together courses with overlapping subject areas. In this case, we believe that Plant Pathology as AGRO 418 would pair well with Weed Science (AGRO 409/410) for students at the senior level.

**4. Revise course prerequisites/corequisites/special requirements:**

- 4.1 Current prerequisites/corequisites/special requirements: (indicate which) Current prerequisites are: AGRO 110 or permission of instructor.
- 4.2 Proposed prerequisites/corequisites/special requirements: AGRO 110, BIOL 120 and AGRO 350 or permission of instructor.
- 4.3 Rationale for revision of course prerequisites/corequisites/special requirements: Due to the emphasis placed upon both fungal structures and life cycles, and soil-borne pathogens, we feel it is imperative that students receive prior instruction regarding fungi (BIOL 120) and soil science (AGRO 350).
- 4.4 Effect on completion of major/minor sequence: not applicable

**5. Revise course catalog listing: n/a**

- 5.1 Current course catalog listing: n/a
- 5.2 Proposed course catalog listing: n/a
- 5.3 Rationale for revision of course catalog listing: n/a

**6. Revise course credit hours: n/a**

- 6.1 Current course credit hours: n/a



- 6.2 Proposed course credit hours: n/a
- 6.3 Rationale for revision of course credit hours: n/a

**7. Revise grade type: n/a**

- 7.1 Current grade type: n/a
- 7.2 Proposed grade type: n/a
- 7.3 Rationale for revision of grade type: n/a

**8. Proposed term for implementation: Fall 2016**

**9. Dates of prior committee approvals:**

Department of Agriculture

October 29, 2015

OCSE Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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**Ogden College of Science and Engineering  
Department of Biology  
Proposal to Create a New Course**

Contact Person: Rodney King, [rodney.king@wku.edu](mailto:rodney.king@wku.edu), 745-6910

**1. Identification of proposed course:**

- 1.1 Course prefix (subject area) and number: BIOL 212
- 1.2 Course title: Genome Discovery and Exploration
- 1.3 Abbreviated course title: Genome Discovery
- 1.4 Credit hours: 2
- 1.5 Grade type: Standard letter grade
- 1.6 Prerequisites: None
- 1.7 Course description: Discovery, characterization, and genomic analysis of viruses from sample collection and purification through DNA isolation and analysis. **Course Fee**

**2. Rationale:**

- 2.1 Reason for developing the proposed course: Science education in the U.S. is under a mandate to be transformed in response to declines in science and technology competence and national competitiveness. Several recent publications have emphasized the critical importance of hands-on, inquiry-based laboratory experiences, research opportunities, and complex data analysis for transformative undergraduate STEM education. This course provides students with a research-based, learning experience that has a proven track record at WKU and at institutions across the country. The cumulative data describing the SEA-PHAGES (Science Education Alliance-Phage Hunters Advancing Genomics and Evolutionary Science) program was recently published (2014; mBio 5(1): doi:10.1128/mBio.01051-13).
- 2.2 Projected enrollment in the proposed course: Anticipated 18 students per section based on the previous enrollment in the pilot course and the availability of laboratory space in EBS 3105 and EBS 3109. Two sections were offered during the fall 2013, 2014 and 2015 semesters. We anticipate future expansion of the course due to high demand, particularly from the Gatton Academy of Science and Mathematics.
- 2.3 Relationship of the proposed course to courses now offered by the department: The Genome Discovery course provides a pipeline of students who are prepared to take the research project to the next stage, the annotation of newly sequenced viral genomes. Thus, the Genome Discovery course dovetails perfectly with the Biology Department's Bioinformatics course. The newly sequenced genomes form the basis of the annotation projects that are completed by students who take the Bioinformatics course.
- 2.4 Relationship of the proposed course to courses offered in other departments: There is currently no similar science process-oriented course offered at WKU where freshmen and sophomores discover and characterize new viruses from environmental samples.
- 2.5 Relationship of the proposed course to courses offered in other institutions: Over 70 schools throughout the U.S. and Puerto Rico offer the HHMI SEA-PHAGES course. WKU is the only institution in Kentucky that has participated in the HHMI SEA-PHAGES program. Currently, the only benchmark institution that offers a similar course-based research experience is James Madison University (BIO 203. Viral Discovery 2 credits).

### 3. Discussion of proposed course:

3.1 Schedule type: R

3.2 Learning outcomes:

1. Explain the process of scientific inquiry and the importance of using controls in scientific experiments. Identify reasons why a particular line of inquiry warrants investigation.
2. Use common laboratory equipment and chemical reagents safely and successfully
3. Perform common laboratory techniques, explain the purpose of each technique and identify the limitations of the technique
4. Plan experiments, generate, record and organize experimental data (using tables, diagrams and drawings as appropriate), analyze and interpret data, and draw logical conclusions based upon collected data.
5. Identify and describe the characteristics of bacteriophages and their bacterial host, including their chemical composition, structure, replication, genetics, and metabolism.
6. Differentiate bacterial colonies and bacteriophage plaques
7. Track expenses associated with a research project.
8. Apply techniques in microbiology, molecular biology and electron microscopy for the isolation and characterization of bacteriophages from the environment
9. Organize and disseminate data on web-based databases and communicate research results to the scientific community
10. Discuss the role of bacteriophages in the biosphere and on human health

3.3 Content outline:

- Microbiological Principles
  - Aseptic technique
  - Safe handling of microbes
  - Proper disposal of bio-hazardous waste
  - Bacterial nutrition and growth
- Bacteriophage biology
  - Bacteriophage ecology
  - The role of bacteriophages in bacterial evolution and disease
  - Phage therapy
  - Isolation of viruses from the soil
  - Growing pure viral populations
    - Enumeration of active bacteriophages particles
    - Phage lifestyles (lytic vs lysogenic cycles)
    - Primary literature reading responses
  - Microscopy
    - Basic principles of electron microscopy
    - Morphology of phage particles
  - Molecular biology
    - Properties of biological macromolecules
    - Purification of DNA from bacteriophage particles
    - Quantitation of DNA using spectrophotometry
    - Basic principles of enzymes
    - Analysis of DNA using restriction enzymes
    - Principles of electrophoresis
    - Image capturing and analysis



**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: CHEM 120
- 1.2 Course title: College Chemistry I

**2. Revise course title: n/a**

- 2.1 Current course title:
- 2.2 Proposed course title:
- 2.3 Proposed abbreviated title:
- 2.4 Rationale for revision of course title:

**3. Revise course number: n/a**

- 3.1 Current course number:
- 3.2 Proposed course number:
- 3.3 Rationale for revision of course number:

**4. Revise course prerequisites/corequisites/special requirements:**

- 4.1 Current prerequisites/corequisites/special requirements: (indicate which)

Prerequisite: Satisfactory score on Chemistry Placement Exam or CHEM 116 with a grade of "C" or higher. Corequisites: CHEM 121. Prerequisite or corequisite: MATH 117 or higher.

- 4.2 Proposed prerequisites/corequisites/special requirements:

Prerequisite: Satisfactory Math ACT score or equivalent or MATH 116 with a grade of "C" or better. Corequisite: CHEM 121.

- 4.3 Rationale for revision of course prerequisites/corequisites/special requirements:

The revised prerequisites are intended to ensure that students have the necessary background in algebra to be successful in CHEM 120. Math ACT is an equivalent but more efficient metric than CPE for placement into general chemistry. CPE will no longer be required to place into general chemistry.

CHEM 120 is entirely algebra-based; hence, MATH 116 is the necessary prerequisite and the MATH 117 corequisite has been removed. CHEM 120 assumes students have no prior college-level experience in chemistry; therefore, CHEM 116 is not a required prerequisite.

The prerequisite "Satisfactory Math ACT score or equivalent" will be coded in Topnet as follows:

Math ACT score of 26 or better  
OR (Math ACT score of 22-25 AND MPE score of 18 or better)  
OR (Math SAT of 590 or better)  
OR (Math SAT score of 510-589 AND MPE score of 18 or better)

4.4 Effect on completion of major/minor sequence:

Not applicable.

**5. Revise course catalog listing:**

5.1 Current course catalog listing:

The beginning course in chemistry for science majors and minors. It also can be used for general education requirement. Covering the first half of the standard first year chemistry course, it is recommended that high school chemistry and a strong high school mathematics background precede this course.

5.2 Proposed course catalog listing:

The first half of the standard yearlong general chemistry course sequence for science majors and minors.

5.3 Rationale for revision of course catalog listing:

Information about general education and high school preparation in chemistry and mathematics is redundant (i.e., it duplicates already listed Colonnade codes and prerequisite) and has been removed from the proposed course description.

**6. Revise course credit hours: n/a**

6.1 Current course credit hours:

6.2 Proposed course credit hours:

6.3 Rationale for revision of course credit hours:

**7. Revise grade type: n/a**

7.1 Current grade type:

7.2 Proposed grade type:

7.3 Rationale for revision of grade type:

**8. Proposed term for implementation:**

Fall 2016

**9. Dates of prior committee approvals:**

Department of Chemistry

**12/04/15**

Ogden College Curriculum Committee

**02/04/16**

Professional Education Council

**2/10/16**

Undergraduate Curriculum Committee

02/25/2016

University Senate

Proposal Date: 12/04/2015

**Ogden College of Science and Engineering  
Department of Chemistry  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: CHEM 222
- 1.2 Course title: College Chemistry II

**2. Revise course title: n/a**

- 2.1 Current course title:
- 2.2 Proposed course title:
- 2.3 Proposed abbreviated title:
- 2.4 Rationale for revision of course title:

**3. Revise course number: n/a**

- 3.1 Current course number:
- 3.2 Proposed course number:
- 3.3 Rationale for revision of course number:

**4. Revise course prerequisites/corequisites/special requirements:**

- 4.1 Current prerequisites/corequisites/special requirements: (indicate which)

Prerequisites: CHEM 120-121 with a grade of "C" or better and MATH 118. Corequisite: CHEM 223.

- 4.2 Proposed prerequisites/corequisites/special requirements:

Prerequisite: CHEM 120-121 with a grade of "C" or better. Corequisite: CHEM 223.

- 4.3 Rationale for revision of course prerequisites/corequisites/special requirements:

The course is entirely algebra-based; therefore no mathematics beyond MATH 116 is required. CHEM 120 already requires MATH 116 as a prerequisite; therefore, CHEM 120-121 is the only necessary prerequisite.

- 4.4 Effect on completion of major/minor sequence:

Not applicable.



**5. Revise course catalog listing:**

5.1 Current course catalog listing:

A continuation of the first year course in chemistry for science majors and minors. It is also satisfactory for general education requirements for non-science majors and minors.

5.2 Proposed course catalog listing:

A continuation of the standard yearlong general chemistry course sequence for science majors and minors.

5.3 Rationale for revision of course catalog listing:

The general education statements in the current catalog listing are pre-Colonnade and are no longer applicable. The revised text uses wording that matches proposed revisions for CHEM 120.

**6. Revise course credit hours: n/a**

6.1 Current course credit hours:

6.2 Proposed course credit hours:

6.3 Rationale for revision of course credit hours:

**7. Revise grade type: n/a**

7.1 Current grade type:

7.2 Proposed grade type:

7.3 Rationale for revision of grade type:

**8. Proposed term for implementation:**

Fall 2016

**9. Dates of prior committee approvals:**

Department of Chemistry

**12/04/2015**

Ogden College Curriculum Committee

**02/04/16**

Professional Education Council

**02/10/16**

Undergraduate Curriculum Committee

02/25/2016

University Senate

**Ogden College of Science and Engineering  
Department of Chemistry  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: CHEM 223
- 1.2 Course title: College Chemistry II Laboratory

**2. Revise course title: n/a**

- 2.1 Current course title:
- 2.2 Proposed course title:
- 2.3 Proposed abbreviated title:
- 2.4 Rationale for revision of course title:

**3. Revise course number: n/a**

- 3.1 Current course number:
- 3.2 Proposed course number:
- 3.3 Rationale for revision of course number:

**4. Revise course prerequisites/corequisites/special requirements:**

- 4.1 Current prerequisites/corequisites/special requirements: (indicate which)

Prerequisites: CHEM 120-121 with a grade of "C" or better and MATH 118. Corequisite: CHEM 222.

- 4.2 Proposed prerequisites/corequisites/special requirements:

Corequisite: CHEM 222.

- 4.3 Rationale for revision of course prerequisites/corequisites/special requirements:

CHEM 223 is a laboratory to accompany CHEM 222 concurrently. It is unnecessary to list prerequisites for CHEM 223 since they are same as those for the CHEM 222.

- 4.4 Effect on completion of major/minor sequence:

Not applicable.

**5. Revise course catalog listing:**

- 5.1 Current course catalog listing:

Laboratory to accompany CHEM 222. A major portion of the course is devoted to semi-micro qualitative inorganic analysis. Pre-lab lecture and laboratory meet for four hours per week. Course Fee

5.2 Proposed course catalog listing:

Laboratory to accompany CHEM 222. Pre-lab lecture and laboratory meet for four hours per week. Course Fee

5.3 Rationale for revision of course catalog listing:

CHEM 223 is intended to provide a laboratory experience that complements CHEM 222. The statement about qualitative inorganic analysis in the current catalog description is not necessary; therefore, it is not included in the proposed catalog revision.

**6. Revise course credit hours: n/a**

6.1 Current course credit hours:

6.2 Proposed course credit hours:

6.3 Rationale for revision of course credit hours:

**7. Revise grade type: n/a**

7.1 Current grade type:

7.2 Proposed grade type:

7.3 Rationale for revision of grade type:

**8. Proposed term for implementation:**

Fall 2016

**9. Dates of prior committee approvals:**

Department of Chemistry

12/04/2015

Ogden College Curriculum Committee

02/04/16

Professional Education Council

02/10/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 01/29/16

**Ogden College of Science & Engineering  
Department of Chemistry  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Prof. Darwin Dahl, [darwin.dahl@wku.edu](mailto:darwin.dahl@wku.edu), (270) 745-5074

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: CHEM 421
- 1.2 Course title: INORGANIC CHEMISTRY LAB

**2. Revise course title: N/A**

- 2.1 Current course title:
- 2.2 Proposed course title:
- 2.3 Proposed abbreviated title:
- 2.4 Rationale for revision of course title:

**3. Revise course number: N/A**

- 3.1 Current course number:
- 3.2 Proposed course number:
- 3.3 Rationale for revision of course number:

**4. Revise course prerequisites/corequisites/special requirements:**

- 4.1 Current prerequisites/corequisites/special requirements:

Prerequisite: CHEM 420

- 4.2 Proposed prerequisites/corequisites/special requirements:

Prerequisite or corequisite: CHEM 420

- 4.3 Rationale for revision of course prerequisites/corequisites/special requirements:

The proposed change allows students to take the laboratory CHEM 421 prior to or concurrently with the associated lecture course CHEM 420.

- 4.4 Effect on completion of major/minor sequence: Not applicable

**5. Revise course catalog listing:**

- 5.1 Current course catalog listing:

Prerequisite: CHEM 420. A laboratory course emphasizing the synthesis and characterization of inorganic compounds of the main group and transition metals. Laboratory meetings once a week for three hours.

5.2 Proposed course catalog listing:

Prerequisite or corequisite: CHEM 420. A laboratory course emphasizing the synthesis and characterization of inorganic compounds of the main group and transition metals. Laboratory meetings once a week for three hours. Course Fee

5.3 Rationale for revision of course catalog listing:

The listing is modified to reflect the proposed prerequisite/corequisite change. A course fee is added to defray the cost of chemicals and supplies.

**6. Revise course credit hours: N/A**

6.1 Current course credit hours:

6.2 Proposed course credit hours:

6.3 Rationale for revision of course credit hours:

**7. Revise grade type: N/A**

7.1 Current grade type:

7.2 Proposed grade type:

7.3 Rationale for revision of grade type:

**8. Proposed term for implementation:**

Fall 2016

**9. Dates of prior committee approvals:**

Department of Chemistry

01/29/16

Ogden College Curriculum Committee

2/4/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Amy Nemon, 5-3082, amy.nemon@wku.edu

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: GEOG 452
- 1.2 Course title: Geoscience Field Experiences

**2. Revise course title:**

- 2.1 Current course title: Geoscience Field Experiences
- 2.2 Proposed course title: Applied Geoscience Field Experiences
- 2.3 Proposed abbreviated title: App Geo Field Experiences
- 2.4 Rationale for revision of course title: This proposed title better encompasses the wide variety of experiences that offer students an opportunity to apply the skills learned in the classroom in field-based settings.

**3. Revise course catalog listing:**

- 3.1 Current course catalog listing: Field techniques and research experiences are emphasized in a variety of settings, including locally, at Study Away and Study Abroad destinations field camps, and other national or international settings.
- 3.2 Proposed course catalog listing: Applied geoscience experiences in a variety of field-based settings, including, but not limited to, Study Abroad and Study Away programs, field camps, and extended fieldtrips to national or international settings.
- 3.3 Rationale for revision of course catalog listing: This course listing more accurately describes the intent of the course and better encompasses the wide variety of experienced encountered during this course.

**4. Revise course credit hours:**

- 4.1 Current course credit hours: 3-6 (repeatable for a maximum of 12 hours)
- 4.2 Proposed course credit hours: 1-6 (repeatable for a maximum of 12 hours)
- 4.3 Rationale for revision of course credit hours: The change in course credit hours allows for more flexibility in the course structure and contact time, which is necessary due to the wide-variety of experiences which are available through this course.

**5. Proposed term for implementation: Fall 2016**

**6. Dates of prior committee approvals:**

Department of Geography and Geology

12/4/2015

Ogden College Curriculum Committee

2/4/2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

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**Odgen College of Science And Engineering  
Department of Geography and Geology  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Jun Yan e-mail: jun.yan@wku.edu Phone: -55982

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: GEOG 465
- 1.2 Course title: Geography of Asia

**2. Revise course title:**

- 2.1 Current course title: Geography of Asia
- 2.2 Proposed course title: Geography of East Asia
- 2.3 Proposed abbreviated title: Geography of East Asia
- 2.4 Rationale for revision of course title: As the largest continent in the world, Asia has incredible diversity in its physical and human environment. By narrowing the focus to East Asia, this advanced regional geography course can concentrate more on in-depth discussions of various contemporary issues related to geography in the region.

**3. Revise course prerequisites/corequisites/special requirements:**

- 3.1 Current prerequisites: Permission of instructor
- 3.2 Proposed prerequisites: GEOG 110
- 3.3 Rationale for revision of course prerequisites: Students are expected to have some prior understanding of world regional geography. GEOG 110 provides students with the basic geographic concepts and knowledge necessary for this advanced course.
- 3.4 Effect on completion of major/minor sequence: None

**4. Revise course catalog listing:**

- 4.1 Current course catalog listing: A study of regional differences, with particular attention to the distribution and activities of the peoples in relation to the natural and economic settings and to problems of development.
- 4.2 Proposed course catalog listing: Analysis of selected contemporary geographic issues in East Asia. Emphasis is on a synthesis of various geographic factors and phenomena, including physical, cultural, political, social, and economic systems.
- 4.3 Rationale for revision of course catalog listing: The revised listing is a more accurate description of how the course has been taught in recent years.

**5. Proposed term for implementation: Fall 2016**



**6. Dates of prior committee approvals:**

Department of Geography and Geology

**12/04/2015**

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Ogden College Curriculum Committee

**2/4/2016**

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Undergraduate Curriculum Committee

02/25/2016

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University Senate

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Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Leslie North, 5-5982, leslie.north@wku.edu

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: GEOG 471
- 1.2 Course title: Natural Resource Management

**2. Revise course title:**

- 2.1 Current course title: Natural Resource Management
- 2.2 Proposed course title: Technological Applications in Natural Resource Management
- 2.3 Proposed abbreviated title: Tech App Resource Management
- 2.4 Rationale for revision of course title: Since resource management is primarily done with the aid of advancing technologies, the course content has evolved over the years to include a focus on technological applications in natural resource management. Thus, this revised title and catalog listing better reflects the evolution of the course content to align with the present-day management of natural resources. This change also allows for more distinction between the content of this course and the existing environmental planning course.

**3. Revise course prerequisites/corequisites/special requirements: N/A**

- 3.1 Current prerequisites: None
- 3.2 Proposed prerequisites: GEOG 280 and GISC 316, or instructor's permission.
- 3.3 Rationale for revision of course prerequisites: To be successful in this course, students should have a basic understanding of environmental science and the primary technology used in resource management (GIS). These prerequisites should ensure that students have the necessary background information, which can be acquired in multiple courses/experiences.
- 3.4 Effect on completion of major/minor sequence: None. Majors and minors are already required to take both GEOG 280 and GISC 316, and do so before taking this applied elective.

**4. Revise course catalog listing:**

- 4.1 Current course catalog listing: Natural resources of the United States and beyond are studied and recommendations for their more efficient utilization are presented. Discussions related, but are not limited to timber, fisheries, grazing, and wildlife management.
- 4.2 Proposed course catalog listing: Examines the application of technology to address current resource management challenges and ensure the efficient utilization of natural resources. Discussions may address, but are not limited to, timber, fisheries, oil and gas, and wildlife management.

4.3 Rationale for revision of course catalog listing: This course listing more accurately describes the content, as it has evolved over time to align with the evolution in the field of study.

5. **Proposed term for implementation: Fall 2016**

6. **Dates of prior committee approvals:**

Department of Geography and Geology

12/4/2015

Ogden College Curriculum Committee

2/4/2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Leslie North, 5-5982, leslie.north@wku.edu

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: GEOG 474
- 1.2 Course title: Environmental Planning

**2. Revise course title:**

- 2.1 Current course title: Environmental Planning
- 2.2 Proposed course title: Environmental Planning Applications
- 2.3 Proposed abbreviated title: Env Planning Applications.
- 2.4 Rationale for revision of course title: The addition of “Applications” in the title will better help students understand that sequencing of this course in that it is intended to ‘apply’ concepts learned in lower-level environmental courses.

**3. Revise course prerequisites:**

- 3.1 Current prerequisites: GEOG 280, or instructor’s permission
- 3.2 Proposed prerequisites: GEOG 280 and GEOG 210, or instructor’s permission.
- 3.3 Rationale for revision of course prerequisites: To be successful in this course, students should have a basic understanding of environmental science and environmental policy, since the two concepts are combined in the course topics. These prerequisites should ensure that students have the necessary background information.
- 3.4 Effect on completion of major/minor sequence: None. Majors and minors are already required to take both GEOG 280 and GEOG 210, and do so before taking this applied elective.

**4. Revise course catalog listing:**

- 4.1 Current course catalog listing: An advanced integrative course in environmental science and planning dealing with urban and rural areas. Emphasis on ecological planning strategies for improving climatic conditions, conserving water, and optimizing vegetative and aquatic habitats, while allowing for sustainable economic development at reduced cost.
- 4.2 Proposed course catalog listing: Integrative topics in environmental science, sustainability, and planning. Emphasis on sustainable community planning and development in urban and rural settings. Students study current models and policies from around the globe.
- 4.3 Rationale for revision of course catalog listing: This course listing more clearly describes the encompassing focus of the course content.

5. **Proposed term for implementation: Fall 2016**

6. **Dates of prior committee approvals:**

Department of Geography and Geology

12/4/2015

Ogden College Curriculum Committee

2/4/2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Leslie North, 5-5982, leslie.north@wku.edu

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: GEOG 486
- 1.2 Course title: Environmental Seminar

**2. Revise course title:**

- 2.1 Current course title: Environmental Seminar
- 2.2 Proposed course title: Seminar in Environmental Science and Sustainability
- 2.3 Proposed abbreviated title: Seminar Env Sci Sustainability
- 2.4 Rationale for revision of course title: The revised title better reflects the proposed changes to content.

**3. Revise course prerequisites/corequisites/special requirements:**

- 3.1 Current prerequisites: Senior Standing
- 3.2 Proposed prerequisites: None.
- 3.3 Rationale for revision of course prerequisites: The unique and diverse nature of the seminar topics allows students from multiple backgrounds and with varied previous course content to participate in and excel in the course. Seniors are not the only students who would benefit from this course; thus, this change allows all interested students to participate.
- 3.4 Effect on completion of major/minor sequence: None

**4. Revise course catalog listing:**

- 4.1 Current course catalog listing: Current environmental issues discussed by invited lecturers. Students are expected to participate in pre-approved department and university- wide seminars.
- 4.2 Proposed course catalog listing: Current issues related to sustainability and/or environmental science discussed via invited lecturers, community engagements, and/or department and university-wide seminars. Students are expected to participate in assigned seminar activities throughout the duration of the course.
- 4.3 Rationale for revision of course catalog listing: This course listing more accurately describes the content.

**5. Revise course credit hours:**

- 5.1 Current course credit hours: 1 hours
- 5.2 Proposed course credit hours: 1 to 3 hours, Repeatable for up to 6 hours.
- 5.3 Rationale for revision of course credit hours: Potential topics may require more contact time and depth of content than allowable with only one credit hour. Allowing for the course to be repeated permits students to take full advantage of the varied nature of the seminar topics from semester to semester.

6. **Proposed term for implementation: Fall 2016**

7. **Dates of prior committee approvals:**

Department of Geography and Geology

Ogden College Curriculum Committee

Undergraduate Curriculum Committee

University Senate

12/4/2015

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2/4/2016

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02/25/2016

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Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Leslie North, 5-5982, leslie.north@wku.edu

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: GEOG 487
- 1.2 Course title: Environmental Law

**2. Revise course title:**

- 2.1 Current course title: Environmental Law
- 2.2 Proposed course title: Environmental Management and Law
- 2.3 Proposed abbreviated title: Env Management & Law
- 2.4 Rationale for revision of course title: The content of the course extends beyond pure environmental law. The proposed title change better reflects this focus.

**3. Revise course catalog listing:**

- 3.1 Current course catalog listing:  
An introduction to major environmental legislations for air, water, toxic and hazardous pollutants and related legislative, administrative, and judicial developments.
- 3.2 Proposed course catalog listing: Examination of major legislative, administrative, and judicial management approaches to addressing current environmental conditions related, but not limited to, natural resource consumption and air, water, and hazardous pollutants in the United States and abroad.
- 3.3 Rationale for revision of course catalog listing: This course listing more accurately describes the content of the course.

**4. Proposed term for implementation: Fall 2016**

**5. Dates of prior committee approvals:**

Department of Geography and Geology  
Ogden College Curriculum Committee  
Undergraduate Curriculum Committee  
University Senate

12/4/2015

2/4/2016

02/25/2016



Proposal Date: December 4, 2015

**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Leslie North, 5-5982, Leslie.north@wku.edu

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: GEOG 489
- 1.2 Course title: Alternatives in Sustainability

**2. Revise course catalog listing:**

- 2.1 Current course catalog listing: This capstone course for the minor in sustainability addresses all aspects of sustainability theory and practice, including problem-solving and decision making techniques and critical analyses of prominent sustainability plans.
- 2.2 Proposed course catalog listing: Addresses aspects of sustainability theory and practice, including problem-solving and decision-making techniques and critical analyses of prominent sustainability plans. Content focuses on a single topic within the sustainability discipline for the entirety of the course.
- 2.3 Rationale for revision of course catalog listing: The new course catalog listing is clearer, since the course is useful for more than just students taking the Minor in Sustainability. Additionally, the proposed changes better describe the intent of the course.

**3. Revise course credit hours:**

- 3.1 Current course credit hours: 3
- 3.2 Proposed course credit hours: 3, repeatable up to 6 hours with topic change
- 3.3 Rationale for revision of course credit hours: This course will have a different sustainability topic each semester it is taught, which allows students an opportunity to have a much deeper, applied understanding of various sustainability topics than what is possible to learn in other program courses. Allowing students to repeat the course will offer them the chance to learn more about at least two key sustainability topics.

**4. Proposed term for implementation: Fall 2016**

**5. Dates of prior committee approvals:**

Department of Geography and Geology  
Ogden College Curriculum Committee  
Undergraduate Curriculum Committee  
University Senate

12/4/2015

2/4/2016

02/25/2016

Proposal Date: December 4, 2015

Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise a Program

Contact Person: David Keeling, [david.keeling@wku.edu](mailto:david.keeling@wku.edu), 5-4555

**1. Identification of program:**

- 1.1 Current program reference number: 675
- 1.2 Current program title: Geography and Environmental Studies
- 1.3 Credit hours: 52

**2. Identification of the proposed program changes:**

- 2.1 Add program concentration, Environment and Sustainability, to existing concentrations
- 2.2 Change existing concentration requirements to reflect course changes in Department.
- 2.3 Add GEOG 452 to list of required core courses in major.
- 2.4 Change title of Environment and Climate Concentration
- 2.5 Add GISC prefix to list of approved electives
- 2.6 Add GEOL prefix to list of approved electives for Karst and Water Resources.

**3. Detailed program description:**

Karst and Water Resources Concentration	Karst and Water Resources Concentration
Common Core Requirements (26 hours):	Common Core Requirements (26 hours):
GEOG or GEOL 103 Our Dynamic Earth 3	GEOG or GEOL 103 Our Dynamic Earth 3
GEOG 110 World Regional Geography 3	GEOG 110 World Regional Geography 3
GEOG 300 Writing in the Geosciences 3	GEOG 300 Writing in the Geosciences 3
GISC 316 Fundamentals of GIS 4	GISC 316 Fundamentals of GIS 4
GISC 317 GIS 4	GISC 317 GIS 4
GEOG 391 Spatial Data Analysis 4	GEOG 391 Spatial Data Analysis 4
GEOG 495 Research Practicum/Internship 4	GEOG 495 Research Practicum/Internship
GEOG 499 Professional Development 1	<b>OR</b>
	<b>GEOG 452 Applied Geo Field Experiences</b>
	<b>OR</b>
	<b>GEOG 475 Selected Topics in Geography 4</b>
	GEOG 499 Professional Development 1
Required Concentration Courses: ( <del>10</del> hours):	Required Concentration Courses: ( <b>13</b> hours):
GEOG 280 Environmental Science and Sustainability 4	GEOG 280 Environmental Science and Sustainability 4
GEOG or GEOL 310 Global Hydrology 3	GEOG or GEOL 310 Global Hydrology 3
GEOG 461 Karst Environments 3 hours	GEOG 461 Karst Environments 3
	<b>GEOG 475 Mammoth Cave Field Course 3</b>
Elective Courses: ( <del>16</del> hours):	Elective Courses: ( <b>13</b> hours):
Select from any appropriate GEOG or METR 2xx-4xx course with your advisor (examples include	Select from any appropriate GEOG, <b>GISC</b> , <b>GEOL</b> , or METR 2xx-4xx course with your advisor (examples

<p>226, <del>227</del>, 322, 328 344, 414, 459, 471, 474, 487, etc.) to meet the 52 unduplicated hours required.</p> <p>Additional Program Requirements (not included in the 52-hour program) (13-14 hours):</p> <ul style="list-style-type: none"> <li>•MATH 136 Calculus 1 4</li> <li>•MATH 183 (Prerequisite for GEOG 391) 3</li> <li>•PHYS 201 College Physics I 4</li> <li>or <del>BIOL 120</del> Biological Concepts 3</li> <li>•CHEM 120 College Chemistry I 3</li> </ul>	<p>include 226, 322, 328 344, 414, 459, 471, 474, 487, etc.) to meet the 52 unduplicated hours required.</p> <p>Additional Program Requirements (not included in the 52-hour program) (13-14 hours):</p> <ul style="list-style-type: none"> <li>•MATH 136 Calculus 1 4</li> <li>•MATH 183 (Prerequisite for GEOG 391) 3</li> <li>•PHYS 201 College Physics I 4</li> <li>or <b>BIOL 122</b> Biological Concepts 3</li> <li>•CHEM 120 College Chemistry I 3</li> </ul>
<p><b>Environment and Climate Concentration</b></p> <p>Common Core Requirements (26 hours):</p> <p>GEOG or GEOL 103 Our Dynamic Earth 3</p> <p>GEOG 110 World Regional Geography 3</p> <p>GEOG 300 Writing in the Geosciences 3</p> <p>GISC 316 Fundamentals of GIS 4</p> <p>GISC 317 GIS 4</p> <p>GEOG 391 Spatial Data Analysis 4</p> <p>GEOG 495 Research Practicum/Internship 4</p> <p>GEOG 499 Professional Development 1</p> <p>Required Concentration Courses: (10 hours):</p> <p><del>GEOG 210 Environmental and Ecological Policy</del> 3</p> <p><del>GEOG 280 Environmental Science and Sustainability</del> 4</p> <p>GEOG 455 Global Climate Change 3</p> <p>Elective Courses (16 hours):</p> <p>Select from any appropriate GEOG or METR 2xx-4xx course with your advisor (examples include 121, 226, <del>227</del>, 322, 328 344, 414, 459, 471, 474, 487, etc.) to meet the 52 unduplicated hours required.</p> <p>At least 26 hours in the program must be at the upper division level.</p> <p>Additional Program Requirements (not included in the 52-hour program) (6 hours):</p> <ul style="list-style-type: none"> <li>• MATH 116 Algebra 3</li> <li>• MATH 183 Statistics 3</li> </ul>	<p><b>Climate Systems Concentration</b></p> <p>Common Core Requirements (26 hours):</p> <p>GEOG or GEOL 103 Our Dynamic Earth 3</p> <p>GEOG 110 World Regional Geography 3</p> <p>GEOG 300 Writing in the Geosciences 3</p> <p>GISC 316 Fundamentals of GIS 4</p> <p>GISC 317 GIS 4</p> <p>GEOG 391 Spatial Data Analysis 4</p> <p>GEOG 495 Research Practicum/Internship</p> <p><b>OR</b></p> <p><b>GEOG 452 Applied Geo Field Experiences</b></p> <p><b>OR</b></p> <p><b>Advisor Approved Field-based GEOG 475</b> 4</p> <p>GEOG 499 Professional Development 1</p> <p>Required Concentration Courses (10 hours):</p> <p><b>METR 121 Meteorology</b> 3</p> <p><b>METR 322 Global Climate Systems</b> 4</p> <p>GEOG 455 Global Climate Change 3</p> <p>Elective Courses (16 hours):</p> <p>Select from any appropriate GEOG, <b>GISC</b>, or METR 2xx-4xx course with your advisor (examples include 121, 226, 322, 328. 344, 414, 459, 471, 474, 487, etc.) to meet the 52 unduplicated hours required.</p> <p>At least 26 hours in the program must be at the upper division level.</p> <p>Additional Program Requirements (not included in the 52-hour program) (6 hours):</p> <ul style="list-style-type: none"> <li>• MATH 116 Algebra 3</li> <li>• MATH 183 Statistics 3</li> </ul>

<p><b>Tourism and Development Concentration</b></p> <p>Common Core Requirements (26 hours):</p> <p>GEOG or GEOL 103 Our Dynamic Earth 3</p> <p>GEOG 110 World Regional Geography 3</p> <p>GEOG 300 Writing in the Geosciences 3</p> <p>GISC 316 Fundamentals of GIS 4</p> <p>GISC 317 GIS 4</p> <p>GEOG 391 Spatial Data Analysis 4</p> <p>GEOG 495 Research Practicum/Internship 4</p> <p>GEOG 499 Professional Development 1</p> <p>Required Concentration Courses: (6 hours):</p> <p>GEOG 330 Intro to Cultural Geography 3</p> <p>GEOG 481 Tourism Geography 3</p> <p>Elective Courses (20 hours):</p> <p>Select from any appropriate GEOG or METR 2xx-4xx course with your advisor (examples include 200, 210, 226, 227, 280, 344, 350, 352, 385, 471, 474, 487, etc.) to meet the 52 unduplicated hours required.</p> <p>Additional Program Requirements (not included in the 52-hour program) (6 hours):</p> <ul style="list-style-type: none"> <li>• MATH 116 Algebra 3</li> <li>• MATH 183 Statistics 3</li> </ul>	<p><b>Tourism and Development Concentration</b></p> <p>Common Core Requirements (26 hours):</p> <p>GEOG or GEOL 103 Our Dynamic Earth 3</p> <p>GEOG 110 World Regional Geography 3</p> <p>GEOG 300 Writing in the Geosciences 3</p> <p>GISC 316 Fundamentals of GIS 4</p> <p>GISC 317 GIS 4</p> <p>GEOG 391 Spatial Data Analysis 4</p> <p>GEOG 495 Research Practicum/Internship</p> <p><b>OR</b></p> <p><b>GEOG 452 Applied Geo Field Experiences</b></p> <p><b>OR</b></p> <p><b>GEOG 475 Selected Topics in Geography 4</b></p> <p>GEOG 499 Professional Development 1</p> <p>Required Concentration Courses: (6 hours):</p> <p>GEOG 330 Intro to Cultural Geography 3</p> <p>GEOG 481 Tourism Geography 3</p> <p>Elective Courses (20 hours):</p> <p>Select from any appropriate GEOG, <b>GISC</b>, or METR 2xx-4xx course with your advisor (examples include 200, 210, 226, 280, 344, 350, 352, 385, 471, 474, 487, etc.) to meet the 52 unduplicated hours required.</p> <p>Additional Program Requirements (not included in the 52-hour program) (6 hours):</p> <ul style="list-style-type: none"> <li>• MATH 116 Algebra 3</li> <li>• MATH 183 Statistics 3</li> </ul>
<p><b>Cultural Geography Concentration</b></p> <p>Common Core Requirements (26 hours):</p> <p>GEOG or GEOL 103 Our Dynamic Earth 3</p> <p>GEOG 110 World Regional Geography 3</p> <p>GEOG 300 Writing in the Geosciences 3</p> <p>GISC 316 Fundamentals of GIS 4</p> <p>GISC 317 GIS 4</p> <p>GEOG 391 Spatial Data Analysis 4</p> <p>GEOG 495 Research Practicum/Internship 4</p> <p>GEOG 499 Professional Development 1</p> <p>Required Concentration Courses: (6 hours):</p>	<p><b>Geography Concentration</b></p> <p>Common Core Requirements (26 hours):</p> <p>GEOG or GEOL 103 Our Dynamic Earth 3</p> <p>GEOG 110 World Regional Geography 3</p> <p>GEOG 300 Writing in the Geosciences 3</p> <p>GISC 316 Fundamentals of GIS 4</p> <p>GISC 317 GIS 4</p> <p>GEOG 391 Spatial Data Analysis 4</p> <p>GEOG 495 Research Practicum/Internship</p> <p><b>OR</b></p> <p><b>GEOG 452 Applied Geo Field Experiences</b></p> <p><b>OR</b></p> <p><b>GEOG 475 Selected Topics in Geography 4</b></p> <p>GEOG 499 Professional Development 1</p> <p>Required Concentration Courses: (6 hours):</p>

<p>GEOG 330 Intro to Cultural Geography 3  GEOG 430 Topics in Cultural Geography 3</p> <p>Elective Courses (20 hours):  Select from any appropriate GEOG or METR 2xx-4xx course with your advisor (examples include 200, 210, 226, 227, 280, 344, 350, 352, 385, 471, 474, 487, etc.) to meet the 52 unduplicated hours required.</p> <p>Additional Program Requirements (not included in the 52-hour program) (6 hours):</p> <ul style="list-style-type: none"> <li>• MATH 116 Algebra 3</li> <li>• MATH 183 Statistics 3</li> </ul>	<p>GEOG 330 Intro to Cultural Geography 3  GEOG 430 Topics in Cultural Geography 3</p> <p>Elective Courses (20 hours):  Select from any appropriate GEOG, <b>GISC</b>, or METR 2xx-4xx course with your advisor (examples include 200, 210, 226, 280, 344, 350, 352, 385, 471, 474, 487, etc.) to meet the 52 unduplicated hours required.</p> <p>Additional Program Requirements (not included in the 52-hour program) (6 hours):</p> <ul style="list-style-type: none"> <li>• MATH 116 Algebra 3</li> <li>• MATH 183 Statistics 3</li> </ul>
	<p><b>Environment and Sustainability Concentration</b></p> <p><b>Common Core Requirements (26 hours):</b>  <b>GEOG or GEOL 103 Our Dynamic Earth 3</b>  <b>GEOG 110 World Regional Geography 3</b>  <b>GEOG 300 Writing in the Geosciences 3</b>  <b>GISC 316 Fundamentals of GIS 4</b>  <b>GISC 317 GIS 4</b>  <b>GEOG 391 Spatial Data Analysis 4</b>  <b>GEOG 495 Research Practicum/Intern</b>  <b>OR</b>  <b>GEOG 452 Applied Geo Field Experiences</b>  <b>OR</b>  <b>GEOG 475 Selected Topics in Geography 4</b>  <b>GEOG 499 Professional Development 1</b></p> <p><b>Required Concentration Courses (10 hrs):</b>  <b>GEOG 210 Env and Ecological Policy 3</b>  <b>GEOG 280 Env Sci and Sustainability 4</b>  <b>GEOG 380 Global Sustainability 3</b></p> <p><b>Elective Courses (16 hours):</b>  Select from any appropriate GEOG, <b>GISC</b>, or METR 2xx-4xx course with your advisor (examples include 121, 226, 322, 328 344, 414, 459, 471, 474, 487, etc.) to meet the 52 unduplicated hours required. At least 26 hours in the program must be at the upper division level.</p> <p><b>Additional Program Requirements (not included in the 52-hour program) (6 hours):</b></p> <ul style="list-style-type: none"> <li>• MATH 116 Algebra 3</li> <li>• MATH 183 Statistics 3</li> </ul>



**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise a Program**

Contact Person: David Keeling, [david.keeling@wku.edu](mailto:david.keeling@wku.edu), 5-4555

**1. Identification of program:**

- 1.1 Current program reference number: 477
- 1.2 Current program title: Minor in Environment and Sustainability
- 1.3 Credit hours: 22

**2. Identification of the proposed program changes:**

- 2.1 Proposed changes to the minor in Environment and Sustainability include renaming the title to **Minor in Environmental Studies and Sustainability**.
- 2.2 GISC 216 has been added as a required course.
- 2.3 Deleting courses that are no longer applicable to the minor and adding other electives that closely fit the new focus of the minor. Deleting GEOG 444 and GEOG 488 from the elective course list. Additions to the elective list include GEOG 344, GEOG 474, GEOG 486, and GISC 414.
- 2.4 Removing the program hours limitation for electives and replacing with two disciplines required.

**3. Detailed program description:**

<del>Minor in Environment and Sustainability</del>	<b>Minor in Environmental Studies and Sustainability</b>
Required hours: 22	Required hours: 22
Required Courses ( <del>7</del> hours):	Required Courses ( <b>10</b> hours):
GEOG 280 Environmental Sci and Sustain 4	GEOG 280 Environmental Sci and Sustainability 4
GEOG 380 Global Sustainability 3	GEOG 380 Global Sustainability 3
	<b>GISC 216 Geotech in a Global Community 3</b>
Elective courses ( <del>15</del> hours):	Elective courses ( <b>12</b> hours):
<del>No more than 6 hours can be taken from any one discipline.</del>	<b>At least two disciplines must be represented:</b>
AGRO 454 Soil Management and Consv 3	AGRO 454 Soil Management and Conservation 3
AMS 470 Land Development 4	AMS 470 Land Development 4
ANTH 442 Eco and Econ Anthropology 3	ANTH 442 Eco and Econ Anthropology 3
ECON 430 Env and Resource Economics 3	ECON 430 Env and Resource Economics 3
GEOG 210 Environment and Ecological Policy 3	GEOG 210 Environment and Ecological Policy 3
GEOG 328 Elements of Biogeography 3	GEOG 328 Elements of Biogeography 3
	<b>GEOG 344 Environmental Ethics 3</b>
GEOG 378 Food, Culture, and Environment 3	GEOG 378 Food, Culture, and Environment 3
GEOG/EDU 385 Society, Resources, Climate 3	GEOG/EDU 385 Society, Resources, & Climate 3
GEOG 427 Water Resources 3	GEOG 427 Water Resource Management 3
<b>GEOG 444 Environmental Ethics</b>	
GEOG 452 Geoscience Field Experiences 1-12	GEOG 452 Applied Geoscience Experiences 1-12
GEOG 471 <del>Natural Resource Management</del> 3	GEOG 471 <b>Tech App Resource Management</b> 3
	<b>GEOG 474 Environmental Planning Apps 3</b>





**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise A Program**

Contact Person: Fred Siewers, fred.siewers@wku.edu, 5-5988

**1. Identification of program:**

- 1.1 Current program reference number: #577
- 1.2 Current program title: Geology Extended (B.S.)
- 1.3 Credit hours: 52

**2. Identification of the proposed program changes:**

- Add GEOG 300 Writing in the Geosciences to the requirements outside Geology

**3. Detailed program description:**

Courses	Hours		
<u>Core Courses</u>	43-44	<u>Core Courses</u>	43-44
GEOL/GEOG 103 Our Dynamic Earth OR GEOL 111 The Earth	3	GEOL/GEOG 103 Our Dynamic Earth OR GEOL 111 The Earth	3
GEOL 112 Earth History	3	GEOL 112 Earth History	3
GEOL 113 The Earth Lab	1	GEOL 113 The Earth Lab	1
GEOL 114 Earth History Lab	1	GEOL 114 Earth History Lab	1
GEOL 270 (3) OR GEOL 432 (4)	3-4	GEOL 270 (3) OR GEOL 432 (4)	3-4
GEOL 408 Structural Geology	4	GEOL 408 Structural Geology	4
GISC 316 Fundamentals of GIS	4	GISC 316 Fundamentals of GIS	4
GISC 317 GIS	4	GISC 317 GIS	4
GEOL 330 Mineralogy	4	GEOL 330 Mineralogy	4
GEOL 350 Petrology	4	GEOL 350 Petrology	4
GEOL 380 Intro. Field Techniques (3 hrs) plus GEOG 452 Geoscience Field Experiences (3 hrs) OR GEOG 452 (6 hours) OR GISC 417 GIS Analysis & Modeling (3 hrs) and GISC 419 GIS Programming (3 hrs)	6	GEOL 380 Intro. Field Techniques (3 hrs) plus GEOG 452 Geoscience Field Experiences (3 hrs) OR GEOG 452 (6 hours) OR GISC 417 GIS Analysis & Modeling (3 hrs) and GISC 419 GIS Programming (3 hrs)	6
GEOL 360 Sedimentology and Stratigraphy	4	GEOL 360 Sedimentology and Stratigraphy	4
GEOL 499 Professional Prep.	2	GEOL 499 Professional Prep.	2
<u>Elective Courses</u>	9-8	<u>Elective Courses</u>	9-8
9 or 8 hours of elective courses selected	9-6	9 or 8 hours of elective courses selected	9-8

from any GEOL 2xx – 4xx courses, such as: 270, 310, 311, 315, 325, 330, 350, 399, 405, 415, 420, 430, 432, 440, 465, 470, 475, and from GEOG 310, 391, 420, GISC 417, 419, and from BIOL 122/123		from any GEOL 2xx – 4xx courses, such as: 270, 310, 311, 315, 325, 330, 350, 399, 405, 415, 420, 430, 432, 440, 465, 470, 475, and from GEOG 310, 391, 420, GISC 417, 419, and from BIOL 122/123	
<u>Minimum Program Hours</u>	<u>52</u>	<u>Minimum Program Hours</u>	<u>52</u>
<u>Requirements outside Geology</u>	<u>13</u>	<u>Requirements outside Geology</u>	<u>16</u>
MATH 136 Calculus I	4	MATH 136 Calculus I	4
CHEM 120 College Chemistry I	3	CHEM 120 College Chemistry I	3
CHEM 121 College Chemistry I Lab	2	CHEM 121 College Chemistry I Lab	2
PHYS 180-181 Intro. Modern Physics + Lab OR PHYS 201	4	PHYS 180-181 Intro. Modern Physics + Lab OR PHYS 201	4
		<b>GEOG 300 Writing in the Geosciences</b> <b>** Note: Satisfies Colonnade Foundations <i>Writing in the Disciplines</i> requirement effective Fall 2014.</b>	<b>3</b>
<u>Other Requirements</u>		<u>Other Requirements</u>	
To graduate with Geology Honors, take an additional 12 hours of GEOL courses beyond the minimum required for the major and maintain a GPA of 3.25 or greater	12	To graduate with Geology Honors, take an additional 12 hours of GEOL courses beyond the minimum required for the major and maintain a GPA of 3.25 or greater	12



**Ogden College of Science and Engineering  
Department of Geography and Geology  
Proposal to Revise A Program**

Contact Person: Fred Siewers, fred.siewers@wku.edu, 5-5988

**1. Identification of program:**

- 1.1 Current program reference number: #676
- 1.2 Current program title: Geology (A.B.)
- 1.3 Credit hours: 33

**2. Identification of the proposed program changes:**

- 2.1 Change the program titled to ***Earth Science***
- 2.2 move GEOL/GEOG 310 from the Elective Courses to the program Core,
- 2.3 Move GEOL 380 and GEOG 452 from Core Courses to Elective Courses
- 2.4 Add GEOG 226 and 280 and GISC 317 to Elective Courses
- 2.5 Change the title of GEOL 325 to “Intro to Minerals and Crystalline Rocks”
- 2.6 Delete GISC 417 and GISC 419 from Elective Courses
- 2.7 Move METR 121 from Requirements Outside Geology to Elective Courses
- 2.8 Delete CS 146 from Requirements Outside Geology
- 2.9 Add GEOG 300 to the Requirements Outside Geology
- 2.10 Increase the Elective Course hours to 6
- 2.11 Increase the minimum program hours to 33
- 2.12 Add BIOL 122/123 as a second cognate science option (in addition to PHYS 201 or PHYS 180/181)

**3. Detailed program description:**

Geology	Hours	Earth Science	Hours
<u>Core Courses</u>	27	<u>Core Courses</u>	27
GEOL/GEOG 103 Our Dynamic Earth OR GEOL 111 The Earth	3	GEOL/GEOG 103 Our Dynamic Earth OR GEOL 111 The Earth	3
GEOL 112 Earth History	3	GEOL 112 Earth History	3
GEOL 113 The Earth Lab	1	GEOL 113 The Earth Lab	1
GEOL 114 Earth History Lab	1	GEOL 114 Earth History Lab	1
		<b>GEOL/GEOG 310 Global Hydrology</b>	<b>3</b>
GEOL 311 Oceanography	3	GEOL 311 Oceanography	3
GEOL 325 Intro to Minerals and Rocks	3	GEOL 325 Intro to Minerals and Rocks	3
GEOL 360 Sedimentology and Stratigraphy	4	GEOL 360 Sedimentology and Stratigraphy	4
<del>GEOL 380 Intro to Field Techniques or GEOG 452 Geoscience Field Experiences</del>	3		
GEOL 408 Structural Geology	4	GEOL 408 Structural Geology	4

GEOL 499 Professional Preparation	2	GEOL 499 Professional Preparation	2
<u>Elective Courses</u>	<u>5</u>	<u>Elective Courses</u>	<u>6</u>
<del>5</del> hours of elective courses selected from any GEOL 2xx – 4xx courses, such as: 270, 310, 311, <del>315</del> , 325, 330, 350, 399, 405, 415, 420, 430, 432, 440, 465, 470, 475, and from GEOG 310, 391, 420, and <del>GISC 417, 419</del>	5	6 hours of elective courses selected from the following GEOL 2xx – 4xx courses: 270, 315, 330, 380, 399, 405, 415, 420, 440, 465, 470, 475, <b>485</b> ; and from <b>GEOG 226, 280, 391, 420, 452, METR 121, and GISC 316</b>	
<u>Minimum Program Hours</u>	<u>32</u>	<u>Minimum Program Hours</u>	<u>33</u>
<u>Requirements outside Geology</u>	<u>21</u>	<u>Requirements outside Geology</u>	<u>18</u>
		<b>GEOG 300 Writing in the Geosciences</b> <b>** Note: Satisfies Colonnade Foundations Writing in the Disciplines requirement effective Fall 2014.</b>	<b>3</b>
GISC 316 Fundamentals of GIS	4	GISC 316 Fundamentals of GIS	4
MATH 117 Trigonometry	3	MATH 117 Trigonometry	3
CHEM 105 Fundamentals of General Chemistry	3	CHEM 105 Fundamentals of General Chemistry	3
CHEM 106 Fundamentals of General Chemistry Lab	1	CHEM 106 Fundamentals of General Chemistry Lab	1
PHYS 201 or PHYS 180-181 Intro. Modern Physics + Lab	4	<b>BIOL 122/123</b> or PHYS 201 or PHYS 180-181 Intro. Modern Physics + Lab	4
<del>CS 146</del>	<del>3</del>		
<del>METR 121 Meteorology</del>	<del>3</del>		
Minor Field		Minor Field	

4. **Rationale for the proposed program change:** The proposed program restructures the curriculum to appeal to a broader pool of students who are interested in Earth Science but who do not wish to take the more advanced coursework required for the professional Geology degree. The increase in elective hours from 5 to 6 hours reflects the expectation that students in the program will take a minimum of 2 elective courses in addition to courses required in the core and outside the major.

5. **Proposed term for implementation and special provisions (if applicable):** Fall 2016

**6. Dates of prior committee approvals:**

Department of Geography and Geology

**1/29/2016**

Ogden College Curriculum Committee

**2/4/2016**

Undergraduate Curriculum Committee

02/25/2016

University Senate

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- Choose appropriate strategies to solve problems and recognize when multiple strategies will work to reach a solution.
- Recognize and find multiple solutions when appropriate.

3.3 Content outline:

- Problem solving – techniques, strategies, and models
- Number – sets of numbers; real number operations and manipulation
- Algebra – expressions, equations, and inequalities
- Geometry – vocabulary, measurement, area/perimeter
- Probability – counting, theoretical and empirical probabilities
- Statistics – descriptive statistics and graphical representations

3.4 Student expectations and requirements:

Students will complete problem sets, assignments, and exams.

3.5 Tentative texts and course materials:

Pirnot, T. (2014). *Mathematics All Around*. Boston: Pearson.

**4. Resources:**

- 4.1 Library resources: Current library resources are adequate.
- 4.2 Computer resources: Current computer resources are adequate.

**5. Budget implications:**

- 5.1 Proposed method of staffing: Current mathematics education faculty is adequate.
- 5.2 Special equipment needed: None
- 5.3 Expendable materials needed: None
- 5.4 Laboratory materials needed: None

**6. Proposed term for implementation:**

Fall 2016

**7. Dates of prior committee approvals:**

Mathematics Department	1-21-16
Ogden College Curriculum Committee	<u>02/04/16</u>
Professional Education Council	<u>2/10/16</u>
General Education Committee	_____
Undergraduate Curriculum Committee	02/25/2016
University Senate	_____





### **3. Discussion of proposed course:**

3.1 Schedule type: L

3.2 Learning Outcomes: Students will be able to

- Interpret information presented in mathematical form by learning to recognize the presence of mathematical elements such as functions, equations, graphs, tables, diagrams, figures or descriptive text.
- Accurately determine how to use appropriate mathematical elements in the context of a given problem.
- Determine when computations are needed and execute them appropriately.
- Use exercises designed to teach recognition of the appropriate algebraic function, expression or equation (e.g. linear, quadratic, logarithmic exponential) needed to model a given problem and then develop skill in applying such modeling.
- Illustrate and communicate mathematical information symbolically, visually and/or numerically.
- Make inferences, evaluate assumptions and assess limitations in estimation modeling.

3.3 Content outline:

Applications of

- Linear functions, equations and inequalities
- Quadratic functions and equations
- Exponential functions and equations
- Logarithmic functions and equations
- Systems of equations in two variables

3.4 Student expectations and requirements: Students will complete assignments, quizzes and exams.

3.5 Tentative texts and course materials:

Rockswold, G.K. (2012), Essentials of College Algebra with Modeling & Visualization. Boston, MA: Addison Wesley.  
ISBN:978-0-321-71528-9

### **4. Resources:**

4.1 Library resources: Current library resources are adequate.

4.2 Computer resources: Current computer resources are adequate.

### **5. Budget implications:**

5.1 Proposed method of staffing: Current mathematics faculty is adequate.

5.2 Special equipment needed: None

5.3 Expendable materials needed: None

5.4 Laboratory materials needed: None

### **6. Proposed term for implementation: Fall 2016**

**7. Dates of prior committee approvals:**

Department of Mathematics

**01/21/2016**

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Ogden College Curriculum Committee

**02/04/16**

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General Education Committee

Undergraduate Curriculum Committee

02/25/2016

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University Senate

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Middle Grades Mathematics. Therefore, none of them offers a course similar to the one proposed.

### **3. Discussion of proposed course:**

3.1 Schedule type: L

3.2 Learning Outcomes:

- Students will assess the validity of mathematical arguments in informal and formal proofs.
- Students will be able to generalize mathematical concepts from concrete to abstract.
- Students will be able to provide verbal and written justifications for solutions to problems.
- Students will be able to construct proofs from various branches of mathematics.
- Students will demonstrate the ability to make connections within and between various strands of mathematics.

3.3 Content outline:

- Reasoning, justification, abstraction, generalization, making connections
- Logic, truth tables, quantifiers, conditional statements, implications
- Elementary direct and indirect proof/justification techniques, recursion and induction, pigeonhole principle
- Sets and set operations, relations and functions
- Combinations and permutations, fundamental theorem of counting, Pascal's triangle and binomial coefficients
- Divisibility and Euclidean algorithm
- Number patterns, number sequences, Fibonacci numbers and golden ratio
- Graphs, directed graphs, trees, coloring problems, Königsberg Bridge and traveling salesman problems
- Matrices, vectors, matrix algebra, solving linear systems

3.4 Student expectations and requirements: Students will complete problem sets, assignments, and exams.

3.5 Tentative texts and course materials:

Wheeler, E. R., & Brawner, J. N. (2010). *Discrete Mathematics for Teachers*. Charlotte, NC: Cengage.  
ISBN: 978-1617350269

### **4. Resources:**

4.1 Library resources: Current library resources are adequate.

4.2 Computer resources: Current computer resources are adequate.

### **5. Budget implications:**

5.1 Proposed method of staffing: Current mathematics education faculty is adequate.

5.2 Special equipment needed: None

5.3 Expendable materials needed: None

5.4 Laboratory materials needed: None

6. **Proposed term for implementation: Spring 2017**

7. **Dates of prior committee approvals:**

Department of Mathematics

11-20-15

Ogden College Curriculum Committee

02/04/16

Professional Education Council

2/10/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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**Ogden College of Science & Engineering  
Mathematics Department  
Proposal to Make Multiple Revisions to a Course**

Contact Person: Hope Marchionda, [hope.marchionda@wku.edu](mailto:hope.marchionda@wku.edu), 5-2961 or Patrick Brown, [patrick.brown@wku.edu](mailto:patrick.brown@wku.edu), 5-6247

- 1. Identification of course:**
  - 1.1 Current course prefix (subject area) and number: MATH 490
  - 1.2 Course title: Seminar in Middle Grades Mathematics
  
- 2. Revise course title: N/A**
  - 2.1 Current course title:
  - 2.2 Proposed course title:
  - 2.3 Proposed abbreviated title:
  - 2.4 Rationale for revision of course title:
  
- 3. Revise course number: N/A**
  - 3.1 Current course number:
  - 3.2 Proposed course number:
  - 3.3 Rationale for revision of course number:
  
- 4. Revise course prerequisites/corequisites/special requirements: N/A**
  - 4.1 Current prerequisites/corequisites/special requirements: (indicate which)
  - 4.2 Proposed prerequisites/corequisites/special requirements:
  - 4.3 Rationale for revision of course prerequisites/corequisites/special requirements:
  - 4.4 Effect on completion of major/minor sequence:
  
- 5. Revise course catalog listing:**
  - 5.4 Current course catalog listing:  
Hands-on activities emphasize connections among various areas of mathematics; communicating mathematics effectively and applications of middle school mathematics. Papers and oral presentations are required.
  - 5.5 Proposed course catalog listing:  
Designed to integrate the ideas and techniques students have encountered in the middle grades mathematics major. Students undertake independent investigations in mathematics. Papers and oral presentations are required.
  - 5.6 Rationale for revision of course catalog listing:  
The course description is being modified to more closely mirror the description of another capstone course in our department, namely MATH 498.
  
- 6. Revise course credit hours:**
  - 6.1 Current course credit hours: 1
  - 6.2 Proposed course credit hours: 1-3
  - 6.3 Rationale for revision of course credit hours:

Students in this class study literature in depth and conduct independent research on an appropriate mathematics topic. The depth and breadth of this work mirrors that of the capstone course in the department for mathematics majors (MATH 498). Students will be required to give two presentations (midterm and final) and submit a 7-11 page (single-spaced) paper that must meet appropriate professional and technical standards. Students will be required to attend midterm and final talks. The department is convinced that the amount of work involved warrants three credit-hours instead of one. The course needs to be a variable credit course to accommodate students in the current and revised programs.

**7. Revise grade type: N/A**

7.1 Current grade type:

7.2 Proposed grade type:

7.3 Rationale for revision of grade type:

**8. Proposed term for implementation: Fall 2016**

**9. Dates of prior committee approvals:**

Mathematics Department

11-20-15

Ogden College Curriculum Committee

02/04/16

Professional Education Council

02/10/16

Undergraduate Curriculum Committee

02/25/2016

University Senate

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**Ogden College of Science & Engineering  
Mathematics Department  
Proposal to Revise A Program  
(Action Item)**

Contact Person: Hope Marchionda, [hope.marchionda@wku.edu](mailto:hope.marchionda@wku.edu), 5-2961 or Patrick Brown, [patrick.brown@wku.edu](mailto:patrick.brown@wku.edu), 5-6247

**1. Identification of program:**

- 1.1 Current program reference number: 730
- 1.2 Current program title: Middle Grades Mathematics
- 1.3 Credit hours: 32-33

**2. Identification of the proposed program changes:**

- Replacing MATH 117 and MATH 136 or MATH 136 and MATH 137 with MATH 136 and MATH 225.
- Raising the required GPA for admission to the major from 2.4 to 2.5.
- Replacing MATH 490 with MATH 490 or MATH 498.
- Raising the overall GPA in required mathematics courses from 2.5 to 2.75.
- Increasing total number of hours from 32-33 to 34.

**3. Detailed program description:**

Current Program	Proposed Program (proposed revision are noted in bold text)
<p>A major in middle grades mathematics is for students who plan to teach mathematics in grades 5-9 only. The degree requires a second major in science and mathematics education (SMED). Upon successful completion of both majors, the student will receive a Bachelor of Science degree.</p> <p>Students who wish to declare a 730 middle grades mathematics major will initially be designated as “seeking admission” until the following requirements have been satisfied:</p> <ul style="list-style-type: none"> <li>• <del>Complete MATH 117 and MATH 136, or MATH 136 and MATH 137; and MATH 205, with a grade of “C” or better in each course.</del></li> <li>• Have an overall GPA of at least 2.4 in all middle grades mathematics program courses (MATH 117 and above) completed prior to admission.</li> </ul>	<p>A major in middle grades mathematics is for students who plan to teach mathematics in grades 5-9 only. The degree requires a second major in science and mathematics education (SMED). Upon successful completion of both majors, the student will receive a Bachelor of Science degree.</p> <p>Students who wish to declare a 730 middle grades mathematics major will initially be designated as “seeking admission” until the following requirements have been satisfied:</p> <ul style="list-style-type: none"> <li>• <b>Complete 3 of the following with a grade of “C” or better in each course: MATH 136, MATH 183, MATH 205, MATH 206, MATH 225.</b></li> <li>• Have an overall GPA of at least <b>2.5</b> in all middle grades mathematics program courses (MATH <b>136</b> and above) completed prior to admission.</li> </ul>

<ul style="list-style-type: none"> <li>Note: If a course is repeated, then the second grade is used to compute the GPA. If a course is repeated multiple times, then the average of all grades after the first attempt is used to compute the GPA.</li> </ul> <p>The student must complete a minimum of 32 hours in mathematics by taking the following required courses: <del>MATH 117 and 136 OR MATH 136 and 137</del>; MATH 183 or STAT 301; MATH 205, 206, 304, 308, 403 or 323, 411 or 421, 413, 490. Students must attain a grade of "C" or better in each required course and must have a 2.5 GPA overall in required mathematics courses.</p>	<ul style="list-style-type: none"> <li>Note: If a course is repeated, then the second grade is used to compute the GPA. If a course is repeated multiple times, then the average of all grades after the first attempt is used to compute the GPA.</li> </ul> <p>The student must complete a minimum of <b>34</b> hours in mathematics by taking the following required courses: <b>MATH 136</b>, MATH 183 or STAT 301, MATH 205, 206, <b>225 or 310</b>, 304, 308, 403 or 323, 411 or 421, 413, <b>and 3 hours of 490 or 498</b>. Students must attain a grade of "C" or better in each required course and must have a <b>2.75</b> GPA overall in required mathematics courses.</p>
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**4. Rationale for the proposed program change:**

- MATH 117 is a preparatory course and is not appropriate as a requirement in the major. Since MATH 137 was not required in the major, but was only an option that few students selected, we decided to replace it with MATH 225. This course was developed to introduce advanced topics critical to middle grades mathematics majors. Therefore, MATH 117 and MATH 136 or MATH 136 and MATH 137 is being replaced by MATH 136 and MATH 225.
- The GPA required for student teaching was raised from 2.5 to 2.75. Therefore, we are changing it in our program requirements. We also are raising our admission GPA from 2.4 to 2.5 to reflect the higher exit requirement.
- To accommodate students who are seeking both middle grades and secondary mathematics certification, we will accept the capstone for secondary mathematics majors in place of the middle grade mathematics capstone. Therefore, we are replacing MATH 490 with MATH 490 or MATH 498.
- Due to the changes in requirements listed above and the change in hours of MATH 490 from 1 to 3 hours, the total number of hours in the major is increasing from 32-33 to 34.

**5. Proposed term for implementation and special provisions: Fall 2016**

**6. Dates of prior committee approvals:**

Mathematics Department	<u>11-20-15</u>
Ogden College Curriculum Committee	<u><b>02/04/16</b></u>
Professional Education Council	_____
Undergraduate Curriculum Committee	<u>02/25/2016</u>
University Senate	_____

**Ogden College of Science and Engineering  
Department of Psychological Science  
Proposal to Create a New Course  
(Action Item)**

Contact Person: Andy Mienaltowski, andrew.mienaltowski@wku.edu, 5-2353

**1. Identification of proposed course:**

- 1.1 Course prefix (subject area) and number: PSYS 160
- 1.2 Course title: Introduction to Biopsychology
- 1.3 Abbreviated course title: INTRO BIOPSYCHOLOGY  
(maximum of 30 characters or spaces)
- 1.4 Credit hours: 3 Variable credit (yes or **no**)
- 1.5 Grade type: Standard letter grade
- 1.6 Prerequisites/corequisites: none
- 1.7 Course description: An introductory class emphasizing the contributions of molecular, cellular, physiological, and evolutionary biology to the scientific understanding of psychological processes. Topics include the brain and nervous system, sensation and perception, hormones and behavior, and the interaction of genes and environment.

**2. Rationale:**

- 2.1 Reason for developing the proposed course:

There are three broad rationales for the development of this course, 1) changes within the discipline of psychology, 2) changes in related disciplines, especially the health sciences, and 3) continued development of WKU's latest strategic plan.

Changes within the discipline of psychology. One of the main reasons for the development of this course is the need to keep departmental offerings current with changes in the discipline. The recently revised guidelines of the American Psychological Association for undergraduate programs in psychology focus on the role that psychology plays in advancing the scientific mission of the discipline. Given the interdisciplinary nature of psychological science, three of the many justifications for the revisions of the guidelines are particularly relevant: 1) The identity of psychology as a STEM discipline should be strengthened, 2) Psychology should be promoted as a hub science with courses reflecting the multi-disciplinary nature of science within courses (e.g., biology, chemistry, physics, computer science, engineering, etc.) and, 3) Greater encouragement of sequencing in curriculum to scaffold growth of knowledge and research skills. The current course will help to meet these demands by encouraging students to understand the close ties between psychology and other STEM disciplines such as biology and biochemistry. This course will help to lay the foundation for an interdisciplinary approach to thinking about these fields. In addition, by providing a greater emphasis on the scientific methods used in psychological research, students will be better prepared for the use of this knowledge in later psychological sciences courses.

Changes in health science admissions. Recent revisions to the Medical College Admissions Test (MCAT), reflect an increased awareness that behavioral, social, and biological factors are key to understanding health. The APA Board of Educational Affairs has estimated that, because of changes in health practitioner admissions standards, psychology education should prepare for an influx of pre-health students in introductory level psychology courses, statistics, and research methods courses. In fact, they suggest that nearly all pre-health students will take an introductory level psychology course in the next few years. The proposed course will provide a strong foundation on which these students can build a biopsychosocial approach to understanding health and development.

Strategic planning. The Department of Psychological Sciences is developing a strategic plan that will complement and support the WKU strategic plan. One of our main objectives is to grow undergraduate student engagement in scientific research. This course will focus extensively on the research methods that are used in a variety of sub-disciplines. With this early introduction to the science of psychology, we anticipate that more students will be able to take advantage of the research opportunities offered in the department.

2.2 Projected enrollment in the proposed course: 75-100

2.3 Relationship of the proposed course to courses now offered by the department:

PSYS 100, Introduction to Psychology, deals with general principles of behavior, including topics such as learning, motivation, development, social behavior, and intelligence. Although the proposed course will address a few of the same topics, the focus will be on the biological underpinnings of these behaviors. A review of syllabi from recent offerings of Introduction to Psychology suggests that, depending on the instructor, around 25% or less of the course content deals explicitly with the relationship between biology and behavior.

The Department of Psychological Sciences offers several advanced courses with topics that build upon those that will be introduced in the proposed course. (e.g., PSYS 360-Behavioral Neuroscience, PSYS 363, Sensation and Perception, PSYS 462-Neuroscience of Learning and Memory, PSYS 465-Psychopharmacology). A lower-level introduction to the relationship between biological and psychological processes will help to ensure student success in these more advanced courses.

2.4 Relationship of the proposed course to courses offered in other departments:

The Department of Psychology also offers PSY 100 Introduction to Psychology (see above description of PSYS 100, which is equivalent to PSY 100).

The Biology Department offers courses in human physiology (BIOL 131 Human Anatomy and Physiology and BIOL 231 Advanced Human Anatomy and Physiology), genetics (BIOL 327 Genetics), and neurobiology (BIOL 335 Neurobiology) as well as courses in animal behavior (BIOL 315 Ecology and BIOL 334 Animal Behavior). The primary focus of the current course is biological influences on human behavior at an introductory level. This course will complement other introductory courses taught by faculty from Ogden College (e.g., BIOL 120 Biological Concepts – Cells, Metabolism, and Genetics; and BIOL 122 Biological Concepts – Evolution,

Diversity, and Ecology) by offering students an additional opportunity to develop a foundation linking neurophysiological systems to psychological processes.

2.5 Relationship of the proposed course to courses offered in other institutions:

Many institutions offer an introductory course in biological psychology in addition to more advanced topical courses. The following table illustrates those benchmark and regional institutions that have adopted this approach:

Bowling Green State University	<ul style="list-style-type: none"> <li>• Psychophysiology</li> <li>• Intro to Neuroscience</li> <li>• Behavioral and Neural Genetics</li> <li>• Psychoneuroendocrinology</li> </ul>
East Tennessee University	<ul style="list-style-type: none"> <li>• Health psychology</li> <li>• Ecopsychology</li> <li>• Behavioral neuroscience</li> <li>• Advanced behavioral neuroscience</li> </ul>
Florida Atlantic University	<ul style="list-style-type: none"> <li>• Biological Bases of Behavior (2 semesters)</li> <li>• Neuropsychology</li> <li>• Psychophysiology</li> <li>• Developmental Psychobiology</li> </ul>
Middle Tennessee State University	<ul style="list-style-type: none"> <li>• Brain, Behavior, and Consciousness</li> <li>• Behavioral Neuroscience</li> <li>• Neuropsychology</li> </ul>
Northern Illinois University	<ul style="list-style-type: none"> <li>• Introduction to Brain and Behavior</li> <li>• Physiological Psychology</li> </ul>
Ohio University	<ul style="list-style-type: none"> <li>• Psychophysiology</li> <li>• Behavior Genetics</li> <li>• Neuropsychology</li> </ul>
University of North Carolina - Charlotte	<ul style="list-style-type: none"> <li>• Introduction to Brain and Behavior</li> <li>• Physiological Psychology</li> <li>• Hereditary Behavior</li> <li>• Neuropsychology</li> <li>• Cognitive Neuroscience</li> <li>• Seminar in Physiological Psychology</li> </ul>
University of North Carolina - Greensboro	<ul style="list-style-type: none"> <li>• Biological Psychology</li> <li>• Brain and Psychological Processes</li> </ul>
University of Southern Mississippi	<ul style="list-style-type: none"> <li>• Behavioral Neuroscience</li> <li>• Sleep and Behavior</li> </ul>
Louisville	<ul style="list-style-type: none"> <li>• Physiological Psychology</li> <li>• Neuroscience</li> <li>• Cognitive Neuroscience</li> </ul>
UK	<ul style="list-style-type: none"> <li>• Brain and Behavior</li> <li>• Behavioral Neuroscience</li> </ul>
EKU	<ul style="list-style-type: none"> <li>• Physiological Psychology</li> <li>• Mind and Brain</li> </ul>

- Internal and external causes of aggression and violence
  - Stress and emotion
  - Neurochemistry of relationships
  - Psychopathology
    - Psychological disorders
    - Psychopharmacology
- 3.4 Student expectations and requirements: Students will complete in-class and/or homework assignments, and quizzes and/or exams to assess their understanding of the course content. No prior courses in biology or psychology are necessary for a student to successfully meet the course's proposed learning outcomes.
- 3.5 Tentative texts and course materials:

Garrett, B. (2015). *Brain & Behavior: An Introduction to Biopsychology, 4<sup>th</sup> Ed.*, Los Angeles: Sage.

Kalat, J.W. (2013). *Biological Psychology, 12<sup>th</sup> Ed.*, Belmont, CA: Cengage Learning.

Kolb, B., Wishaw, I. Q., & Teskey, G. C. (2016). *An Introduction to Brain and Behavior, 5<sup>th</sup> Ed.*, New York: Worth.

Psychology as a Biological Science. (2015). Retrieved from <http://nobaproject.com/textbooks/psychology-as-a-biological-science>

#### 4. Resources:

- 4.1 Library resources: The library resources that are currently available (e.g., scientific journals and books) will be adequate for the course. No additional resources are required.
- 4.2 Computer resources: No additional computer resources are required for this course. Existing resources are sufficient.

#### 5. Budget implications:

- 5.1 Proposed method of staffing: The course will be taught by current faculty. A number of faculty have expertise within biopsychology within the Department of Psychological Sciences.
- 5.2 Special equipment needed: No special equipment needed.
- 5.3 Expendable materials needed: No expendable materials are needed.
- 5.4 Laboratory materials needed: No laboratory materials are needed for this course.

#### 6. Proposed term for implementation: Fall 2016

### 3. Discussion of proposed course:

3.1 Schedule type: Lecture/Lab

3.2 Learning Outcomes:

- 3.2.1 Demonstrate an understanding of research ethics and methodology within biological psychology, including structural and functional analysis of biological and psychological systems and the impact of scientific and therapeutic intervention on thought and behavior
- 3.2.2 Explain the basic principles involved in neurobiological development, sensory machinery and perceptual systems, influences of gene-environment interactions on behavior, the neuroscience of cognition, social and affective neuroscience, and biological etiologies of psychopathology
- 3.2.3 Apply neuroscientific principles to investigate the role of biological systems underlying thought and behavior and to make predictions about the connection between behavior and molecular biology and physiology within the disciplines of psychology
- 3.2.4 Explain the connection between normal/abnormal neurophysiological processes and normal/abnormal human cognitive and socioemotional functioning

3.3 Content outline:

- Psychology as a science
  - Philosophy and importance of science
  - Scientific ethics
  - Applying psychology as a science
- Psychological research methods
  - Behavioral methods
  - Psychophysiological methods
  - Computational methods
- Neural Foundations
  - The brain and nervous system
  - Hormones and Behavior
  - Biochemistry of relationships
  - Sensation and Perception
  - Comparative neurophysiology
- Interactions between environment and mind/body
  - Nature and Nurture
  - Epigenetics
- Cognitive neuroscience
  - Learning and memory
  - Language
  - Intelligence
- Developmental growth and change
  - Infancy and childhood
  - Adulthood and aging
- Social and affective neuroscience
  - Motivation and reward

**7. Dates of prior committee approvals:**

Department/ Unit Psychological Sciences

January 27, 2016

Ogden College Curriculum Committee

February 4, 2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

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Proposal Date: 11/9/2105

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Sheila S. Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

- 1. Identification of course:**
  - 1.1 Course prefix and number: IDFM 222
  - 1.2 Course title: CAD in Human Environment
- 2. Current prerequisites/corequisites:** IDFM 201 (may be taken concurrently) for Interior Design majors; IDFM 131 for Textiles and Apparel Merchandising majors
- 3. Proposed prerequisites:** IDFM 201 (may be taken concurrently) for Interior Design majors  
**Proposed corequisites:** IDFM 300 for Interior Design majors.
- 4. Rationale for the revision of prerequisites:** IDFM 222 does not required the content of IDFM 131 Basic Apparel Construction to be successful in the course. For Interior Design majors, IDFM 222 is already a corequisite for IDFM 300; the content in IDFM 222 assists students with success in IDFM 300.
- 5. Effect on completion of major/minor sequence:** Students will be required to complete the requisite program requirements in order to move forward in the major.
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

FACS Department/ IDFM Unit	11/20/2015
CHHS Undergraduate Curriculum Committee	1/29/2016
Undergraduate Curriculum Committee	02/25/2016
University Senate	

Proposal Date: 11/9/2105

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Sheila S. Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

- 1. Identification of course:**
  - 1.1 Course prefix and number: IDFM 333
  - 1.2 Course title: Fashion Fundamentals
- 2. Current prerequisites:** IDFM 132 or consent of the instructor
- 3. Proposed prerequisites:** IDFM 132, MKT 220
- 4. Rationale for the revision of prerequisites:** Students must complete basic fundamental courses in order to be successful in upper division courses.
- 5. Effect on completion of major/minor sequence:** Students will be better prepared of upper division courses.
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

FACS Department/ IDFM Unit

11/20/2015

CHHS Undergraduate Curriculum Committee

1/29/2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

Proposal Date: 11/9/2105

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Sheila S. Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

- 1. Identification of course:**
  - 1.1 Course prefix and number: IDFM 334
  - 1.2 Course title: Apparel Design Management
- 2. Current prerequisites:** IDFM 131
- 3. Proposed prerequisites:** IDFM 131, IDFM 221
- 4. Rationale for the revision of prerequisites:** Students must complete basic fundamental courses in order to be successful in upper division courses.
- 5. Effect on completion of major/minor sequence:** Students will be required to complete the requisite program requirements in order to move forward in the major.
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

FACS Department/ IDFM Unit

11/20/2015

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CHHS Undergraduate Curriculum Committee

1/29/2016

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Undergraduate Curriculum Committee

02/25/2016

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University Senate

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Proposal Date: 11/9/2015

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Sheila Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

- 1. Identification of course:**
  - 1.1 Course prefix and number: IDFM 344
  - 1.2 Course title: Digital Rendering for Interiors
- 2. Current corequisites: none**
- 3. Proposed corequisites: IDFM 300**
- 4. Rationale for the revision of prerequisites:** Students will be better prepared for IDFM 301 Interior Design Studio III. Students will need to understand CAP Design Studio and 3D AutoCAD to be successful in Interior Design Studios.
- 5. Effect on completion of major/minor sequence:** No
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

FACS Department/ IDFM Unit

11/20/2015

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CHHS Undergraduate Curriculum Committee

1/29/2016

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Undergraduate Curriculum Committee

02/25/2016

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University Senate

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Proposal Date: 11/9/2105

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Sheila S. Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

- 1. Identification of course:**
  - 1.1 Course prefix and number: IDFM 410
  - 1.2 Course title: IDFM Internship
- 2. Current prerequisites:** Senior standing and all required 300-level courses in IDFM.
- 3. Proposed prerequisites:** IDFM 302 Interior Design Studio IV or 334 Apparel Design Management, & IDFM 321 Professional Issues and Ethics
- 4. Rationale for the revision of prerequisites:** Topnet cannot search for all 300 level courses being completed. The upper-level courses selected will ensure appropriate learning content to be successful in the course.
- 5. Effect on completion of major/minor sequence:** No effect on either.
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

FACS Department/ IDFM Unit	11/20/2015
CHHS Undergraduate Curriculum Committee	1/29/2016
Undergraduate Curriculum Committee	02/25/2016
University Senate	

Proposal Date: 11/9/2105

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Sheila S. Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

- 1. Identification of course:**
  - 1.1 Course prefix and number: IDFM 421
  - 1.2 Course title: Portfolio Design
- 2. Current prerequisites:** IDFM 302 and 334, or IDMF 333 and 334, or permission of instructor
- 3. Proposed prerequisites:** IDFM 302 and 334, or IDMF 333 and 334; and IDFM 321.
- 4. Rationale for the revision of prerequisites:** Students need to have completed IDFM 321, which includes development of a resume, to be able to most successfully complete a portfolio in IDFM 421.
- 5. Effect on completion of major/minor sequence:** No effect on either.
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

FACS Department/ IDFM Unit

11/20/2015

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CHHS Undergraduate Curriculum Committee

1/29/2016

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Undergraduate Curriculum Committee

02/25/2016

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University Senate

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Proposal Date: 11/9/2105

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Sheila S. Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

- 1. Identification of course:**
  - 1.1 Course prefix and number: IDFM 422
  - 1.2 Course title: Textile Design & Performance
- 2. Current prerequisites:** DMT 110, IDFM 221
- 3. Proposed prerequisites:** IDFM 120, IDFM 221 and IDFM 223
- 4. Rationale for the revision of prerequisites:** Students must complete basic fundamental courses in order to be successful in upper division courses. DMT 110 is being deleted.
- 5. Effect on completion of major/minor sequence:** Students will be required to complete the requisite program requirements in order to move forward in the major.
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

FACS Department/ IDFM Unit	11/20/2015
CHHS Undergraduate Curriculum Committee	1/29/2016
Undergraduate Curriculum Committee	02/25/2016
University Senate	

Proposal Date: 11/9/2105

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Sheila S. Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

- 1. Identification of course:**
  - 1.1 Course prefix and number: IDFM 427
  - 1.2 Course title: Visual Design III
- 2. Current prerequisites:** IDFM 300  
**Current corequisites:** None
- 3. Proposed prerequisites:** IDFM 221, IDFM 222  
**Proposed corequisites:** IDFM 301
- 4. Rationale for the revision of prerequisites:** Students must complete basic fundamental courses in order to be successful in upper division courses.
- 5. Effect on completion of major/minor sequence:** Students will be required to complete the requisite program requirements in order to move forward in the major.
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

FACS Department/ IDFM Unit	11/20/2015
CHHS Undergraduate Curriculum Committee	1/29/2016
Undergraduate Curriculum Committee	02/25/2016
University Senate	



Proposal Date: 11/9/2105

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Sheila S. Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

- 1. Identification of course:**
  - 1.1 Course prefix and number: IDFM 431
  - 1.2 Course title: Clothing and Human Behavior
- 2. Current prerequisites:** PSY 100 or SOCL 100 and junior standing or consent of instructor and 21 hours of Foundations and Exploration Courses.
- 3. Proposed prerequisites:** PSY/PSYS 100 or SOCL 100, junior standing and 21 hours of Foundations and Exploration Courses.
- 4. Rationale for the revision of prerequisites:** Topnet cannot search for instructor permission. The courses selected will provide appropriate background for potential success in course.
- 5. Effect on completion of major/minor sequence:** None
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

FACS Department/ IDFM Unit

11/20/2015

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CHHS Undergraduate Curriculum Committee

1/29/2016

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Undergraduate Curriculum Committee

02/25/2016

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University Senate

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Proposal Date: 11/9/2105

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise Course Prerequisites/Corequisites  
(Consent Item)**

Contact Person: Sheila S. Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

- 1. Identification of course:**
  - 1.1 Course prefix and number: IDFM 432
  - 1.2 Course title: Visual Merchandising and Promotion
- 2. Current prerequisites:** DMT 110, IDFM 132
- 3. Proposed prerequisites:** IDFM 120, IDFM 221 and IDFM 334
- 4. Rationale for the revision of prerequisites:** Content in IDFM 120 Visual Design I, IDFM 333 Fashion Fundamentals & IDFM 334 Apparel Design Management will assist students to be successful in IDFM 432.
- 5. Effect on completion of major/minor sequence:** Students will be required to complete the requisite program requirements in order to move forward in the major.
- 6. Proposed term for implementation:** Fall 2016
- 7. Dates of prior committee approvals:**

FACS Department/ IDFM Unit

11/20/2015

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CHHS Undergraduate Curriculum Committee

1/29/2016

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Undergraduate Curriculum Committee

02/25/2016

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University Senate

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Proposal Date: 11/19/2015

**College of Health and Human Services  
Family and Consumer Sciences  
Proposal to Revise Course Catalog Listing  
(Consent Item)**

Contact Person: Sheila Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

**1. Identification of course:**

- 1.1 Course prefix and number: IDFM 223
- 1.2 Course title: Textiles

**2. Current course catalog listing:**

Includes fundamental facts concerning fibers, yarns and fabric construction; color and design; finishes. Performance and care are studied in relation to selection of fabrics for clothing and furnishings. Lecture and lab.

**3. Proposed course catalog listing:**

A general study of textiles with emphasis on factors that affect the hand, appearance, and performance in clothing and furnishing use. Examination of the fibers, yarns, dyeing, printing and finishing, performance and care. Lecture with lab

**4. Rationale for revision of the course catalog listing:**

New description better defines the course.

**5. Proposed term for implementation:** Fall 2016

**6. Dates of prior committee approvals:**

Department/ Unit FACS/IDFM

11/20/2015

CHHS Undergraduate Curriculum Committee

1/29/2016

Undergraduate Curriculum Committee

02/25/2016

University Senate

Proposal Date: 11/9/2015

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Delete a Course  
(Consent Item)**

Contact Person: Sheila Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

**1. Identification of course:**

- 1.1 Current course prefix and number: IDFM 435
- 1.2 Course title: Computer Applications in Textiles and Apparel Merchandising

**2. Rationale for the course deletion:** Course is obsolete, computer applications are being taught earlier in the curriculum.

**3. Effect of course deletion on programs or other departments, if known:** No effect on the program or other departments. Computer applications have become part of other courses in the curriculum.

**4. Proposed term for implementation:** Fall 2016

**5. Dates of prior committee approvals:**

FACS Department/ IDFM Unit

11/20/2015

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CHHS Curriculum Committee

1/29/2016

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Undergraduate Curriculum Committee

02/25/2016

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University Senate

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Proposal Date: 11/9/2015

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Make Multiple Revisions to a Course  
(Action Item)**

Contact Person: Sheila Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

**1. Identification of course:**

- 1.1 Current course prefix and number: IDFM 322
- 1.2 Course title: Merchandising I for Design, Merchandising and Textiles

**2. Revise course title:**

- 2.1 Current course title: Merchandising I for Design, Merchandising and Textiles
- 2.2 Proposed course title: Merchandising I for IDFM
- 2.3 Proposed abbreviated title: Merchandising I for IDFM
- 2.4 Rationale for revision of course title: Program name was changed from Design, Merchandising & Textiles to Interior Design & Fashion Merchandising

**3. Revise course number:**

- 3.1 Current course number:
- 3.2 Proposed course number:
- 3.3 Rationale for revision of course number:

**4. Revise course prerequisites/corequisites/special requirements:**

- 4.1 Current prerequisites: None
- 4.2 Proposed prerequisites: IDFM 132, MKT 220
- 4.3 Rationale for revision of course prerequisites: Students need the basic knowledge gained from IDFM 132, Perspectives of Dress and MKT 220, Basic Marketing Concepts to be successful in this course.
- 4.4 Effect on completion of major/minor sequence: Students will be required to complete the requisite program requirements in order to move forward in the major.

**5. Revise course catalog listing:**

- 5.1 Current course catalog listing:
- 5.2 Proposed course catalog listing:
- 5.3 Rationale for revision of course catalog listing:

**6. Revise course credit hours:**

- 6.1 Current course credit hours:
- 6.2 Proposed course credit hours:
- 6.3 Rationale for revision of course credit hours:

**7. Revise grade type:**

- 7.1 Current grade type:
- 7.2 Proposed grade type:

7.3 Rationale for revision of grade type:

**8. Proposed term for implementation:** Fall 2016

**9. Dates of prior committee approvals:**

FACS Department/ IDFM Unit

11/20/2015

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CHHS Undergraduate Curriculum Committee

1/29/2016

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Undergraduate Curriculum Committee

02/25/2016

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University Senate

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**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Make Multiple Revisions to a Course  
(Action Item)**

Contact Person: Sheila Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

**1. Identification of course:**

- 1.1 Current course prefix and number: IDFM 438
- 1.2 Course title: Merchandising II for Design, Merchandising and Textiles

**2. Revise course title:**

- 2.1 Current course title: Merchandising II for Design, Merchandising and Textiles
- 2.2 Proposed course title: Merchandising II for IDFM
- 2.3 Proposed abbreviated title: Merchandising II for IDFM
- 2.4 Rationale for revision of course title: Program name was changed from Design, Merchandising & Textiles to Interior Design & Fashion Merchandising

**3. Revise course number:**

- 3.1 Current course number:
- 3.2 Proposed course number:
- 3.3 Rationale for revision of course number:

**4. Revise course prerequisites/corequisites/special requirements:**

- 4.1 Current prerequisites: IDFM 331
- 4.2 Proposed prerequisites: IDFM 322
- 4.3 Rationale for revision of course prerequisites: Students need the basic knowledge gained from IDFM 322 Merchandising I for IDFM to be successful in this course. IDMF 331 is being removed as the listed prerequisite as it is not a course listed in the catalog.
- 4.4 Effect on completion of major/minor sequence: Students will be required to complete the requisite program requirements in order to move forward in the major.

**5. Revise course catalog listing:**

- 5.1 Current course catalog listing:
- 5.2 Proposed course catalog listing:
- 5.3 Rationale for revision of course catalog listing:

**6. Revise course credit hours:**

- 6.1 Current course credit hours:
- 6.2 Proposed course credit hours:
- 6.3 Rationale for revision of course credit hours:

**7. Revise grade type:**

- 7.1 Current grade type:
- 7.2 Proposed grade type:

7.3 Rationale for revision of grade type:

**8. Proposed term for implementation:** Fall 2016

**9. Dates of prior committee approvals:**

FACS Department/ IDFM Unit

11/20/2015

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CHHS Undergraduate Curriculum Committee

1/29/2016

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Undergraduate Curriculum Committee

**02/25/2016**

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University Senate

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**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise a Program  
(Action Item)**

Contact Person: Sheila Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

**1. Identification of program:**

- 1.1 Current program reference number: 485
- 1.2 Current program title: Minor in Textiles & Apparel Merchandising
- 1.3 Credit hours: **30**

**2. Identification of the proposed program changes:**

- Change name to Minor in Fashion Merchandising
- Add IDFM 131 and IDFM 221 to requirements for the minor
- Remove IDFM 226 from minor electives
- Increase total hours from 24 to 30

**3. Detailed program description:**

Current Program			Proposed Program		
Minor in Textiles & Apparel Merchandising			Minor in Fashion Merchandising		
<b>Program Description:</b> The minor in textiles and apparel merchandising requires 24 semester hours. A grade of “C” or above must be earned in the following courses required for this minor: IDFM 132, 223, 231, 333, and 12 hours of restricted electives chosen in consultation with departmental advisor.			<b>Program Description:</b> The minor in textiles and apparel merchandising requires <b>30</b> semester hours. A grade of “C” or above must be earned in the following courses required for this minor: IDFM <b>131</b> , 132, 221, <b>223</b> , 231, 333, and 12 hours of restricted electives chosen in consultation with departmental advisor.		
			<b>IDFM 131</b>	<b>Basic Apparel Construction</b>	<b>3</b>
IDFM 132	Perspectives of Dress	3	IDFM 132	Perspectives of Dress	3
			<b>IDFM 221</b>	<b>Visual Design II</b>	<b>3</b>
IDFM 223	Textiles	3	IDFM 223	Textiles	3
IDFM 231	Textile & Apparel Qual Analysis	3	IDFM 231	Textile & Apparel Qual Analysis	3
IDFM 333	Fashion Fundamentals	3	IDFM 333	Fashion Fundamentals	3
<i>Electives: Choose 12 Hours</i>			<i>Elective: Choose 12 Hours</i>		
<del>IDFM 226</del>	<del>Fashion Illustration</del>	<del>3</del>			
IDFM 321	Professional Issues and Ethics	3	IDFM 321	Professional Issues and Ethics	3
IDFM 322	<del>Merchandising I for Design, Merchandising &amp; Textiles</del>	3	IDFM 322	<b>* Merchandising I for IDFM</b>	3
IDFM 332	History of 20 <sup>th</sup> Century Fashion	3	IDFM 332	History of 20 <sup>th</sup> Century Fashion	3
IDFM 334	Apparel Design Management	3	IDFM 334	Apparel Design Management	3
IDFM 422	Textile Design and Performance	3	IDFM 422	Textile Design and Performance	3
IDFM 423	Human Environment Study Tour	3	IDFM 423	Human Environment Study Tour	3

IDFM 424	Historic Textiles	3	IDFM 424	Historic Textiles	3
IDFM 426	Fashion Design Market Trends	3	IDFM 426	Fashion Design Market Trends	3
IDFM 431	Clothing and Human Behavior	3	IDFM 431	Clothing and Human Behavior	3
IDFM 432	Visual Merchandising & Promo	3	IDFM 432	Visual Merchandising & Promo	3
IDFM 433	Fashion Synthesis	3	IDFM 433	Fashion Synthesis	3
IDFM 434	Historic Costume	3	IDFM 434	Historic Costume	3
IDFM 438	<del>Merchandising II for Design, Merchandising &amp; Textiles</del>	3	IDFM 438	<b>*Merchandising II for IDFM</b>	3
	Total	24		Total	<b>30</b>

\*Reflects name change proposed earlier in consent agenda.

**4. Rationale for the proposed program change:**

- Name change was missed when the major program name change took place.
- To be successful in upper division course electives in the minor, students must have the core content from IDFM 131 and 221 to be successful; additionally, the potential for hidden prerequisites to exist within the curriculum is eliminated.
- IDFM 226 is being deleted as an elective option to help ensure the minor maintains half of the courses as upper-division hours.
- The addition of IDFM 131 and 221 increase the required minor hours to 30.

**5. Proposed term for implementation:** Fall 2016

**6. Dates of prior committee approvals:**

FACS Department/ IDFM Unit	11/20/2015
CHHS Undergraduate Curriculum Committee	1/29/2016
Undergraduate Curriculum Committee	<b><u>02/25/2016</u></b>
University Senate	_____

**College of Health & Human Services  
Family & Consumer Sciences  
Proposal to Revise a Program  
(Action Item)**

Contact Person: Sheila S. Flener, [sheila.flener@wku.edu](mailto:sheila.flener@wku.edu), 745-4105

**1. Identification of program:**

- 1.1 Current program reference number: 531
- 1.2 Current program title: Interior Design & Fashion Merchandising
- 1.3 Credit hours: 75-78

**2. Identification of the proposed program changes:**

Changes are only to the Fashion Merchandising Concentration

- Remove AMS 163 as a course option
- Reflect IDFM 322 name change
- IDFM 435 deletion from program
- Add IDFM 438 to program
- Increase of credit hours for Fashion Merchandising concentration from 75 to 78
- Increase of electives from 3 to 6

**3. Detailed program description:**

Current Program			Proposed Program		
<b>Program Description:</b> The major in Interior Design & Fashion Merchandising (reference number 531) requires a minimum of <del>75-78</del> semester hours and leads to a Bachelor of Science degree. The program offers two concentrations: interior design, and fashion merchandising. A grade of “C” or above must be earned in the required major/support courses. No minor or second major is required.			<b>Program Description:</b> The major in Interior Design & Fashion Merchandising (reference number 531) requires a minimum of <b>78</b> semester hours and leads to a Bachelor of Science degree. The program offers two concentrations: interior design, and fashion merchandising. A grade of “C” or above must be earned in the required major/support courses. No minor or second major is required.		
<i>Fashion Merchandising Concentration</i>			<i>Fashion Merchandising Concentration</i>		
IDFM 120	Visual Design I	3	IDFM 120	Visual Design I	3
IDFM 131	Basic Apparel Construction	3	IDFM 131	Basic Apparel Construction	3
IDFM 132	Perspectives of Dress	3	IDFM 132	Perspectives of Dress	3
IDFM 221	Visual Design II	3	IDFM 221	Visual Design II	3
<del>IDFM 222-OR AMS 163</del>	<del>CAD in Human Environment Architectural Drafting</del>	3	<b>IDFM 222</b>	<b>CAD in Human Environment</b>	<b>3</b>
IDFM 223	Textiles	3	IDFM 223	Textiles	3
IDFM 231	Textile & Apparel Qual Analysis	3	IDFM 231	Textile & Apparel Qual Analysis	3
FACS 310	Management of Family Resources	3	FACS 310	Management of Family Resources	3
FACS 311	Family Relations	3	FACS 311	Family Relations	3
IDFM 321	Professional Issues and Ethics	3	IDFM 321	Professional Issues and Ethics	3

IDFM 322	<del>Merchandising I for Design, Merchandising &amp; Textiles</del>	3	IDFM 322	<b>*Merchandising I for IDFM</b>	3
IDFM 332	History of 20 <sup>th</sup> Century Fashion	3	IDFM 332	History of 20 <sup>th</sup> Century Fashion	3
IDFM 333	Fashion Fundamentals	3	IDFM 333	Fashion Fundamentals	3
IDFM 334	Apparel Design Management	3	IDFM 334	Apparel Design Management	3
IDFM 410	IDFM Internship	3	IDFM 410	IDFM Internship	3
IDFM 421	Portfolio Design	3	IDFM 421	Portfolio Design	3
IDFM 422	Textile Design and Performance	3	IDFM 422	Textile Design and Performance	3
IDFM 427	Visual Design III	3	IDFM 427	Visual Design III	3
IDFM 431	Clothing and Human Behavior	3	IDFM 431	Clothing and Human Behavior	3
IDFM 432	Visual Merchandising & Promo	3	IDFM 432	Visual Merchandising & Promo	3
IDFM 433	Fashion Synthesis	3	IDFM 433	Fashion Synthesis	3
IDFM 435	<del>Computer Applications in TAM</del>	<del>3</del>			
			<b>IDFM 438</b>	<b>*Merchandising II for IDFM</b>	<b>3</b>
MGT 210	Organization and Management	3	MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3	MKT 220	Basic Marketing Concepts	3
Elective selected with advisor		3	Electives selected with advisor		6
	Total Hours	75		Total Hours	78
<i>Interior Design Concentration</i>			<i>Interior Design Concentration</i>		
Course #	Course Title	Hrs	Course #	Course Title	Hrs
IDFM 101	Foundations of Interior Design	1	IDFM 101	Foundations of Interior Design	1
IDFM 120	Visual Design I	3	IDFM 120	Visual Design I	3
IDFM 152	Survey of Architecture II	3	IDFM 152	Survey of Architecture II	3
IDFM 201	Interior Design Studio I	4	IDFM 201	Interior Design Studio I	4
IDFM 221	Visual Design II	3	IDFM 221	Visual Design II	3
IDFM 222	CAD in Human Environment	3	IDFM 222	CAD in Human Environment	3
IDFM 223	Textiles	3	IDFM 223	Textiles	3
IDFM 243	Materials and Finishes for ID	3	IDFM 243	Materials and Finishes for ID	3
IDFM 300	Interior Design Studio II	4	IDFM 300	Interior Design Studio II	4
IDFM 301	Interior Design Studio III	4	IDFM 301	Interior Design Studio III	4
IDFM 302	Interior Design Studio IV	4	IDFM 302	Interior Design Studio IV	4
IDFM 304	Lighting and Environmental Controls	3	IDFM 304	Lighting and Environmental Controls	3
IDFM 321	Professional Issues and Ethics	3	IDFM 321	Professional Issues and Ethics	3
IDFM 344	Digital Rendering for Interiors	3	IDFM 344	Digital Rendering for Interiors	3
IDFM 401	Interior Design Studio V	4	IDFM 401	Interior Design Studio V	4
IDFM 402	Senior Design Thesis	4	IDFM 402	Senior Design Thesis	4
IDFM 403	Business Principles and Practices for ID	2	IDFM 403	Business Principles and Practices for ID	2
IDFM 410	IDFM Internship	3	IDFM 410	IDFM Internship	3
IDFM 421	Portfolio Design	3	IDFM 421	Portfolio Design	3
IDFM 422	Textile Design and Performance	3	IDFM 422	Textile Design and Performance	3
IDFM 427	Visual Design III	3	IDFM 427	Visual Design III	3
FACS 310	Management of Family Resources	3	FACS 310	Management of Family Resources	3
FACS 311	Family Relations	3	FACS 311	Family Relations	3
MKT 220	Basic Marketing Concepts	3	MKT 220	Basic Marketing Concepts	3
Elective selected with advisor		3	Elective selected with advisor		3

	Total Hours	78		Total Hours	78
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\*Reflects name change proposed earlier in consent agenda.

**4. Rationale for the proposed program change:**

- IDFM 222 focuses on aspects of computer aided drawing that pertain to everyday fashion merchandising experience that is not part of the content of AMS 163.
- IDFM 435 course is no longer being taught because computer applications have become part of other courses in the curriculum. IDFM 435 was taught in the last semester of the student's 4 year program.
- IDFM 438 is being added to the program to give students who want an opportunity to learn more about the merchandising aspects of the fashion merchandising field. Students will have an opportunity to work with interior design students in forming a store plan they could easily take to a bank for funding of a new business.
- Increase of electives from 3 to 6 to give students more opportunities to explore more Fashion, Business or Marketing classes to enhance their fashion merchandising curriculum.

**5. Proposed term for implementation:** Fall 2016

**6. Dates of prior committee approvals:**

FACS Department/ IDFM Unit	11/20/2015
CHHS Undergraduate Curriculum Committee	1/29/2016
Undergraduate Curriculum Committee	02/25/2016
University Senate	

**POTTER COLLEGE OF ARTS & LETTERS**  
**HISTORY DEPARTMENT**  
**Proposal to Create a New Course**  
**(Action Item)**

Contact Person: Jeffrey Miner, [jeffrey.miner@wku.edu](mailto:jeffrey.miner@wku.edu) 650.714.9581

**1. Identification of proposed course:**

- 1.1 Course prefix (subject area) and number: HIST 308
- 1.2 Course title: Conflict, Culture and Commerce in the Medieval Mediterranean
- 1.3 Abbreviated course title: Medieval Mediterranean  
(maximum of 30 characters or spaces)
- 1.4 Credit hours: 3 Variable credit No.
- 1.5 Grade type: Standard letter grade
- 1.6 Prerequisites/corequisites: None
- 1.7 Course description: Explores the developing relationship between religion, culture and power in medieval kingdoms with substantial Christian, Jewish and Muslim inhabitants.

**2. Rationale:**

- 2.1 Reason for developing the proposed course:

The history department's offerings are increasingly geared toward international and global issues (teaching World History instead of Western Civilization, for example). By examining the dynamics that enabled but also undercut religious tolerance in the Middle Ages, this course helps meet the university's goal of educating a diverse body of students, by preparing them to think critically about the dynamics of an increasingly global society.

Scholarship about the Middle Ages increasingly emphasizes the significance of Europe's interactions with the wider world, and this course examines kingdoms and regions on the frontiers, rather than England, France and the 'core' territories of medieval Europe. Because it was a zone of trade as well as competing religious communities, the premodern Mediterranean has become an important site for examining the history of globalization before 1500.

- 2.2 Projected enrollment in the proposed course:

This course is to be offered in a rotation with HIST 307 (The Middle Ages) and HIST 407 (The Crusades). No fewer than about 20 students should be expected, based on previous offerings of these courses.

- 2.3 Relationship of the proposed course to courses now offered by the department:

This course complements HIST307 (The Middle Ages) by providing a more focused look at one of the major themes treated in a more cursory way by the general survey of medieval history. It also complements HIST407 (The Crusades) by examining similar issues (medieval culture, religion, and politics) in diverse societies, focusing on ordinary, repeated interactions, instead of periodic but exceptional bouts of holy war.

#### 2.4 Relationship of the proposed course to courses offered in other departments:

No other department currently offers any course on the medieval Mediterranean world. Other departments offer courses that touch on similar themes ART 316 and 407 deal with Medieval and Islamic Art and Architecture separately, but not with their specific interactions. ENG 333 (Medieval Literature) and 487 (Dante's Divine Comedy and its Influences) both deal with medieval literature, but neither in the specific context of how European and Christian literary forms related to the diverse cultural world of the Mediterranean. Likewise, RELS 305 and 306 cover Christianity and Islam, respectively, but not the particular dynamics of their coexistence within the societies investigated in this course.

#### 2.5 Relationship of the proposed course to courses offered in other institutions:

Taking a Mediterranean perspective on premodern history is increasingly recognized as an important way to think about cross-cultural interactions in a period before globalization. As a place where Jewish, Muslim and Christian communities lived side-by-side for centuries, the Mediterranean is often used to frame courses on trade, warfare, and cultural interaction. Some of these focus on particular places and communities, such as Western Michigan's course on Mediterranean Spain and the Catalan Grand Chronicles (History 6820). Others focus on a particular religion or religious community- Brown University's "Christianity and Conflict in the Medieval Mediterranean" (HIST 0521A), for example. Others treat all three major religious communities – University of Minnesota's "Christians Muslims and Jews in the Middle Ages," (Hist5900) for example. Others (San Francisco State, University of Colorado – Colorado Springs, University of New Mexico, Columbia University) offer a more general "Medieval Mediterranean" or "Medieval Mediterranean World." Others focus only on artistic interaction (University of Illinois, Cornell, University of Toronto).

### 3. Discussion of proposed course:

#### 3.1 Schedule type: Seminar

- 3.2 Learning Outcomes: This course will help students think historically and conceptually about religion and power in the Middle Ages. By the end of the semester, students should be able to:
- Explain the historical events that created a multi-religious kingdom in Sicily and southern Italy
  - Use comparative analysis to better understand inter-religious interactions in the Kingdom of Sicily and in the broader Mediterranean world
  - Distinguish between medieval and modern definitions of tolerance and diversity, understand what made tolerance possible in the medieval world, and what caused it to decline
  - Explain how stridently monotheistic rulers justified, explained, and took advantage of religious and cultural diversity in their realms
  - Understand how cultural production was shaped by conditions of religious and cultural diversity as well as power relations
  - Develop interpretive strategies for dealing with unfamiliar historical sources
  - Use historical sources to evaluate scholars' reconstructions of the past
  - Apply conceptual tools from scholarship to the analysis of historical sources

#### 3.3 Content outline:

Although titled and conceived broadly, this course focuses primarily on one Latin Christian Mediterranean kingdom, the Kingdom of Sicily, which at its greatest extent included all of Italy

south of Rome, parts of North Africa, Germany, and Jerusalem. It also included religious minorities both large (Muslim, Orthodox Christian) and small (Jewish). The course will make significant comparisons with kingdoms in Spain and the Crusader States of Syria/Palestine during the same period. The course is divided into four major units, one final thematic section and three chronological ones.

*1. The creation of a Norman kingdom in southern Italy and the conquest of Muslim Sicily, 1050-1150.*

This section will trace the creation of a new monarchy in southern Italy. It begins with the arrival of Latin Christian Norman mercenaries, follows the way the Normans used their relations with the papacy to legitimize their conquests, and then explores their strategies for ruling over large minority populations: Greek-speaking Orthodox Christians in southern Italy and Arab Muslims in Sicily. This section will draw on sources from the Crusader states in the Middle East as well as Iberia to highlight ways the Kingdom Sicily was both unique and typical of Mediterranean religion and power dynamics.

*2. The religious, cultural, and legal foundations of tolerance and diversity in the Kingdom of Sicily, 1100-1250.*

This section examines artistic, literary, and architectural production during the Kingdom of Sicily's greatest flourishing. The Normans widely used Arabic-language inscriptions, Arab-style dress, and Egyptian-inspired architecture to project power from their palaces. At the same time, they developed a court culture and a legal system that enshrined the inferior status of Muslims and Muslim culture in the kingdom broadly. We will examine these tensions to understand what enabled and undercut cultural and religious tolerance. Legal and cultural sources from comparable kingdoms in Iberia will be introduced in order to show the common intellectual and religious beliefs that Latin Christian monarchs shared and how that affected their subjects of different faiths.

*3. Frederick II, papal politics, and the end of the Kingdom of Sicily, 1200-1250.*

This section explores the disappearance of the Kingdom of Sicily as an independent unit and the end of Sicilian tolerance under the reign of Frederick II. Frederick II has the reputation of a tolerant monarch – he had Muslim bodyguards, corresponded with Muslim Sultans, promoted the translation of scientific works by Jewish and Muslim authors. At the same time, his reign and his policies ended religious diversity in the Kingdom. Frederick's relations with the papacy and pursuit of crusading are explored as reasons why his tolerant private life and personal beliefs failed to protect diversity and tolerance (of Muslims, in particular) in the Kingdom at large. French and English sources will be used to explore how different parts of the Latin Christian world perceived the religious and cultural attitudes of the Mediterranean.

*4. The Kingdom of Sicily and ideas of the "Mediterranean."*

Finally, course considers the place of Sicily in the Mediterranean more broadly – its role as a relay-station for cultural as well as economic exchange. Here, too, religious difference was a critical factor to understand. The Normans, for example, allowed substantial communities of Jews to conduct trade between their Kingdom and Muslim Egypt, all the while offering special privileges to their co-religionists from northern Italy to facilitate their commercial penetration of the Kingdom. Students will consider the role of trade in cultural contact and debate whether or not Sicily fits bigger models of the 'Mediterranean' proposed by scholars such as Fernand Braudel, Peregrine Horden, and Nicholas Purcell.

3.4 Student expectations and requirements:



Students will be evaluated based on a combination of participation in discussion, in-class exams covering the overall development of Sicilian history (one midterm, one final) and papers critically analyzing primary sources (three, ca. 1000 words each).

3.5 Tentative texts and course materials:

Donald Matthew, *The Norman Kingdom of Sicily*, Cambridge University Press (1992).

Janet Abu Lughod, *Before European Hegemony*. Oxford University Press (1989).

Graham A. Loud, ed. *Roger II and the Making of the Kingdom of Sicily*. Manchester University Press (2012).

Jarbel Rodriguez, *Muslim and Christian Contact in the Middle Ages: A Reader* (2015).

All other texts are articles and book chapters that will be made available via Blackboard.

4. **Resources:**

4.1 Library resources: Current resources are sufficient.

4.2 Computer resources: Current resources are sufficient.

5. **Budget implications:**

5.1 Proposed method of staffing: Existing staff

5.2 Special equipment needed: None

5.3 Expendable materials needed: None

5.4 Laboratory materials needed: None

6. **Proposed term for implementation:** Spring 2017

7. **Dates of prior committee approvals:**

History Department	<u>1/28/2016</u>
Potter College Curriculum Committee	<u>02/03/2016</u>
Professional Education Council (if applicable)	_____
General Education Committee (if applicable)	_____
Undergraduate Curriculum Committee	<u>02/25/2016</u>
University Senate	_____

Proposal Date: 30 Oct 2015

**University College  
Military Student Services  
Proposal to Create a New Academic Policy  
(Action Item)**

Contact Person: Tonya Archey, tonya.archey@wku.edu, 270 745-5837

**1. Identification of proposed policy:** Military absence policy for official military duties and Veterans Administration medical appointments.

**2. Catalog statement of proposed policy:**

2.1 Proposed catalog policy:

Instructors are expected to show reasonable flexibility to Military and Veteran students who have required absences due to military duties, or Veteran Administration medical appointments. These absences are mandated and beyond the students' control. Instructors should not penalize absences of this type in any way. Accommodations and specific timeframes to make up all missed assignments, quizzes, and tests should be given and mutually agreed upon by the instructor and student. Students are responsible for notifying faculty members of absences as far in advance as possible, when possible, and for ensuring that their absence is documented. Absences can be verified by official orders, appointment notifications, or through the Office of Military Student Services. Students called to duty should be referred to the Military Withdrawal policy for a more complete description of their options.

2.2 Proposed catalog section: Academic Information under Academic Requirements and Regulations and should appear immediately after the Attendance Policy.

**3. Rationale for proposed policy:**

Federal law as prescribed in the Uniform Code of Military Justice.

Article 86 of the Uniform Code of Military Justice (UCMJ) stipulates that any member of the Armed Forces who, without authority fails to go to his appointed place of duty at the time prescribed; goes from that place; or absents himself or remains absent from his unit, organization, or place of duty at which he is required to be at the time prescribed; shall be punished as a Court-Martial may direct.

**4. Impact of proposed policy on existing academic or non-academic policies:**

4.1 Impact on policies: None

4.2 Impact on populations that may be affected: N/A

**5. Proposed term for implementation:** Fall 2016.

**6. Dates of prior committee approvals:**

Department/ Unit

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College Curriculum Committee (if applicable)

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UCC Academic Policy Subcommittee (if applicable)

**11/10/2015**

Undergraduate Curriculum Committee

**02/25/2016**

University Senate

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### **General Guidelines for Proposals to Discontinue Equivalencies**

- This form is used to discontinue equivalency of two or more courses (see Academic Affairs Policy 1.4090). The proposal proponent and their department head should contact the department head of the equivalent course to discuss the potential course equivalency discontinuation. If it is determined that the courses are no longer equivalent, the proposal proponent is responsible for completing the **Discontinue Equivalency** proposal that follows this guideline.
- Proposals to discontinue equivalency are **action items**.
- In **item 2**, if changes in the course are part of the rationale for discontinuation, the proponent should also complete, in addition to the **Discontinue Equivalency** proposal, appropriate curricula revision proposals, such as Revise the Credit Hours, Revise Grading System, or Revise Multiple Items. See UCC website for all Revising Curricula possibilities.
- **Item 4** is to be used to discontinue equivalency between a main campus course and a University College “C” course (e.g., GEOL 102 and GE 102C). If these equivalencies are to be discontinued, one of the courses will be renumbered. Such course renumbering, including the decision about which one of the courses will be renumbered, will be an action that takes place at the UCC level of the curricular process. If the renumbered course is a requirement in any program, a proposal must be submitted to revise that program to include the new course number. The Registrar’s office is available to provide guidance on the new course number, as it is important that a new number be applied to the course.

Proposal Date:

**College Name**  
**Department Name**  
**Proposal to Discontinue Course Equivalencies**  
**(Action Item)**

Contact Person: Name, email, phone

**1. Identification of the equivalent courses**

1.1. Course prefixes (subject areas) and numbers:

1.2. Course Title(s):

**2. Rationale for discontinuing equivalency:**

**3. Effect of discontinuing equivalency on programs or other departments, if known:**

**4. Proposed new course number (for main campus/"C" course discontinued equivalencies only):**

**5. Proposed term for implementation:**

**6. Dates of prior committee approvals:**

Department/ Unit _____	_____
College Curriculum Committee	_____
Professional Education Council (if applicable)	_____
General Education Committee (if applicable)	_____
Undergraduate Curriculum Committee	_____
University Senate	_____