

MEMORANDUM TO: Ogden College of Science and Engineering Curriculum Committee

Dr. Jack Rudolph	Dr. James Gary	Dr. Keith Sylvester
Dr. Martin Stone	Dr. Huanjing Wang	Dr. John Khouryieh
Dr. Bruce Schulte	Dr. Julie Ellis	Dr. Bruce Kessler
Dr. Scott Grubbs	Dr. Warren Campbell	Dr. Attila Por
Dr. Cathleen Webb	Dr. David Keeling	Dr. Keith Andrew
Dr. Hemali Rathnayake	Dr. Xingang Fan	Dr. Steven Gibson
Dr. Les Pesterfield		

FROM: Kenneth Crawford, Chair

SUBJECT: Agenda for Thursday, March 7, 2013, 4:00 p.m. in COHH 4123

A. OLD BUSINESS:

- I. Consideration of the minutes of the February 7, 2013, meeting.

B. NEW BUSINESS:

Information Items

1. Department of Mathematics

1. Proposal to Create a Temporary Course
 - a. MATH 123, Mathematical Applications for Business, 3 hrs.

Consent Items

I. Department of Biology

1. Proposal to Reactivate a Suspended Course
 - a. BIOL 317, Plant Pathology, 3 hrs.
 - b. BIOL 464, Endocrinology, 3 hrs.
 - c. BIOL 280, An Introduction to Environmental Science, 3 hrs.
2. Proposal to Revise Course Grading System
 - a. BIOL 199, Introduction to Research, 1 hr.

II. Department of Chemistry

1. Proposal to Delete a Course
 - a. CHEM 110, Freshman Seminar, 1 hr.
2. Proposal to Suspend a Course
 - a. CHEM 280, Introduction to Environmental Science, 3 hrs.

III. Department of Computer Science

1. Proposal to Revise Course Catalog Listing
 - a. CS 280, Computer Science III, 3 hrs.

IV. Department of Geography and Geology

1. Proposal to Delete a Course
 - a. GEOG 100, Introduction to the Physical Environment, 3 hrs.
 - b. GEOG 203, Cartographic Orienteering, 1 hr.
 - c. GEOG 204, Volcanoes and Earthquakes, 1 hr.
 - d. GEOG 205, Tornadoes, 1 hr.
 - e. GEOG 207, Hurricanes, 1 hr.
 - f. GEOG 208, Floods and Droughts, 1 hr.
 - g. GEOG 209, Natural Disasters, 1 hr.
 - h. GEOG 416, Remote Sensing, 3 hrs.
 - i. GEOG 421, Advanced Geomorphology, 3 hrs.
 - j. GEOG 454, Geography of Middle America, 3 hrs.
 - k. GEOG 479, Industrial and Commercial Geography, 3 hrs.
 - l. GEOG 488, Rural Planning, 3 hrs.
 - m. GEOG 497, Spatial Decision Support Systems, 3 hrs.
 - n. GEOL 102, Introduction to Geology, 3 hrs.
 - o. GEOL 203, Cartographic Orienteering, 1 hr.
 - p. GEOL 204, Volcanoes and Earthquakes, 1 hr.
 - q. GEOL 209, Natural Disasters, 1 hr.
 - r. GEOL 370, Principles of Stratigraphy, 3 hrs.
 - s. GEOL 480, Coal Geology, 3 hrs.
 - t. GEOL 486, Senior Environmental Seminar, 1 hr.
 - u. GEOL 492, Spatial Analysis, 3 hrs.
2. Proposal to Suspend a Course
 - a. GEOG 428, Applied Groundwater Hydrology, 3 hrs.
3. Reactivate a Suspended Course
 - a. GEOL 470, Tectonics, 3 hrs.
4. Revise Course Title
 - a. GEOG 216, GIS and Society, 3 hrs.
5. Revise a Course Number
 - a. GEOG 451, Geography of Kentucky, 3 hrs.
6. Revise a Course Catalog Listing
 - a. GEOL 475, Special Topics in Geology, 1-3 hrs.
7. Revise Course Prerequisites
 - a. GEOL 311, General Oceanography, 3 hrs.
8. Revise Course Prerequisites/Corequisites
 - a. GEOL 405, Paleontology, 4 hrs.

Action Items

I. Department of Agriculture

1. Proposal to Make Multiple Revisions to a Course
 - a. AGRO 317, Plant Pathology, 3 hrs.

II. Department of Architectural and Manufacturing Sciences

1. Proposal to Make Multiple Revisions to a Course
 - a. AMS 301, Introduction to Food Science and Technology, 3 hrs.

III. Department of Biology

1. Proposal to Make Multiple Revisions to a Course
 - a. BIOL 317, Plant Pathology, 3 hrs.

2. Create a New Course
 - a. BIOL 457, Herpetology, 4 hrs.

IV. Department of Chemistry

1. Proposal to Create a New Course
 - a. CHEM 240, Introduction to Organic Chemistry, 3 hrs.
 - b. CHEM 307, Food Chemistry, 3 hrs.
 - a. CHEM 421, Inorganic Chemistry Lab, 1 hr, 3 hrs.

V. Department of Geography and Geology

1. Proposal to Create a New Course
 - a. GEOG 103, Our Dynamic Planet, 3 hrs.
 - b. GEOL 103, Our Dynamic Planet, 3 hrs.

2. Proposal to Make Multiple Revisions to a Course
 - a. GEOG 391, Data Analyses and Interpretation, 3 hrs.
 - b. GEOG 484, Theory and Application, 3 hrs.

3. Proposal to Revise a Program
 - Ref. #353, Minor in Earth Science, 21 hrs.

VI. Department of Physics and Astronomy

1. Proposal to Create a New Course
 - a. PHYS 215, Seminar for Physics Learning Assistants, 1 hr.

C. OTHER BUSINESS

MEMBERS PRESENT:

Dr. Martin Stone	Dr. David Keeling
Dr. Bruce Schulte	Dr. Julie Ellis
Dr. Scott Grubbs	Dr. David Keeling
Dr. Rui Zhang for Dr. Cathleen Webb	Dr. Xingang Fan
Dr. Hemali Rathnayake	Dr. John Khouryieh
Dr. Les Pesterfield	Dr. Bruce Kessler
Dr. Huanjing Wang	Dr. Attila Por
	Dr. Steven Gibson

Visitors: Dr. Melanie Autin and Dr. Ahmed Khalafallah

FROM: Ken Crawford, Chair

OLD BUSINESS:

Keeling/Grubbs moved approval of the minutes from the December 6, 2012, meeting. Motion passed.

NEW BUSINESS:

Action Items

Department of Agriculture

Keeling/Pesterfield moved approval of the proposal to Make Multiple Revisions to a Course, AGRO 317, Plant Pathology. After some discussion Stone/Keeling moved to table the proposal definitely. Motion passed.

Department of Architectural and Manufacturing Sciences

Keeling/Stone moved approval of the proposal to Revise a Program, Ref. #533, Major in Construction Management. Motion passed.

Department of Mathematics

Keeling/Pesterfield moved approval of the proposal to Revise a Program, Ref. #731, Mathematical Economics. Motion passed.

OTHER BUSINESS

No other business. Meeting was adjourned at 3:54 p.m.

Proposal Date: 02/12/2013

**Ogden College of Science and Engineering
Department of Mathematics
Proposal to Create a Temporary Course
(Information Item)**

Contact Person: Robin Ayers, robin.ayers@wku.edu, 745-5009
Leslie Plumlee, leslie.plumlee@wku.edu, 745-2141

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: MATH 123
- 1.2 Course title: Mathematical Applications for Business
- 1.3 Abbreviated course title: Mathematical Apps for Business
- 1.4 Credit hours and contact hours: 3.00
- 1.5 Schedule Type: L
- 1.6 Prerequisites: Math ACT score of 22 or better or Math SAT score of 510 or better or a score of 14 or better on the WKU Math Placement Exam or a score of 14 or better on the KYOTE or a score of 50 or better on the COMPASS (College Algebra domain).
- 1.7 Course description:
Graphing and problem solving are integrated throughout the study of algebraic concepts including polynomial, rational, exponential and logarithmic functions. Topics also include mathematics of finance, introduction to probability, and derivatives, with emphasis on applications in business-related fields. Not accepted for credit toward a mathematics major or minor.

2. Rationale:

- 2.1 Reason for offering this course on a temporary basis: Students in business and management studies at WKU often wish or need to acquire skills in college algebra with an emphasis on business applications. Such students also need a brief introduction to derivatives as they apply to business, e.g. minimizing cost or maximizing profit. In order to accommodate students registering for Fall 2013, the mathematics faculty requests a temporary course offering for that semester. A new course proposal for Math 123 will follow shortly.

2.2 Relationship of the proposed course to courses offered in other departments: No other course of this nature exists within the University's other departments.

3. Description of proposed course:

3.1 Course content outline (each unit will contain business applications):

- Algebraic concepts
- Linear equations and functions
- Quadratic and special functions
- Exponential and logarithmic functions
- Mathematics of finance
- Derivatives
- Introduction to probability

3.2 Tentative texts:

Mathematical Applications for the Management, Life, and Social Sciences, by R. J. Harshbarger, and J. J. Reynolds, Brooks/Cole, 10th edition, ISBN 978-1-133-10623-4

4. Second offering of a temporary course (if applicable): Not Applicable

4.1 Reason for offering this course a second time on a temporary basis:

4.2 Term course was first offered:

4.3 Enrollment in first offering:

5. Term for implementation: Fall 2013

6. Dates of review/approvals:

Mathematics Department: Feb. 15, 2013

OCSC Curriculum Committee _____

OCSC Dean _____

UCC Chair _____

Provost: _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One [] Create New Course [X] Temporary Course Offering

1. Has this course previously been offered on a temporary basis? [] Yes [X] No If yes, indicate the term offered []

2. Subject Area [MATH] Course Number [123] Course Title (as it should appear on the transcript; maximum of 30 letters & spaces) [MATHEMATICAL APPS FOR BUSINESS]

3. Term for Implementation (e.g., Spring 2012=201210, Fall 2012=201230) [201330]

4. Official Course Title [MATHEMATICAL APPLICATIONS FOR BUSINESS]

5. Offering Unit (See Table of Code Values.) College [SC] Department [MATH]

6. Credit Hours Fixed Credit Hours: [3.00] Variable Credit Hours [] [] []

7. Repeat Limit (See instructions.) [0] Total Maximum Hours (See instructions.) [3.00]

8. Grading (Check all that apply.) [X] Standard Letter Grading [] Pass/Fail Only [] No Grade [] In Progress - IP (Course is intended to span more than one term.)

9. Schedule Type (See Table of Schedule Types.) [] [] []

10. Corequisites (courses required to be taken concurrently with this course) Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. Equivalent Courses (Include South Campus [C suffix] courses and other equivalent courses.) Subject Area Course Number Subject Area Course Number Subject Area Course Number

12. Prerequisites (See instructions.) Subject Area Course Number Subject Area Course Number Subject Area Course Number

[] Other [Math ACT score of 22 or better or Math SAT score of 510

or better or a score of 14 or better on the WKU Math Placement Exam or a score of 14 or better on the KYOTE or a score of 50 or better on the COMPASS (College Algebra domain).

13. Course Attribute [] Honors Course [] Developmental Course

14. Course Restrictions [] Include/[] Exclude College [] College [] Major [] Major [] Classification []

15. Course Description (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

Graphing and problem solving are integrated throughout the study of algebraic concepts including polynomial, rational, exponential and logarithmic functions. Topics also include mathematics of finance, introduction to probability, and derivatives, with emphasis on applications in business-related fields. Not accepted for credit toward a mathematics major or minor.

16. Approvals for Temporary Course Only: Department Head Date College Dean Date Graduate Dean Date Provost Office Date

Proposal Date: 6 February 2013

**Ogden College of Science and Engineering
Department of Biology
Proposal to Reactivate a Suspended Course
(Consent Item)**

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: BIOL 317
- 1.2 Course title: Plant Pathology
- 1.3 Credit hours: 3

2. Rationale for the course reactivation: This course was suspended during the 2009-2010 AY since the Biology Department had not offered BIOL 317 since at least the mid-1990's. This course was traditionally cross-listed with AGRO 317 and neither course has been offered regularly. The Agriculture Department has decided to activate their course (identical to the Biology offering) and, given that this topic is of interest to students in each major, it makes sense to reactivate BIOL 317 rather than give biology majors who would take the Agriculture course credit for this offering.

3. Effect of course reactivation on programs or other departments, if known: Both the Biology and Agriculture (under AGRO 317) Departments are reactivating Plant Pathology, with the intent of cross-listing the course. This will have no adverse impacts on other departments and will benefit the two courses by increasing enrollment and by facilitating collaboration by students in the majors and minors in the two departments.

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Biology Department:	March 1, 2013
OCSE Curriculum Committee	_____
University Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One

Suspend Course

Delete Course

Reactivate Suspended Course

1. **Subject Area** **Course Number** **Course Title**
2. **Effective Term for Course Suspension, Deletion, or Reactivation** (e.g. Spring 2012=201210, Fall 2012=201230)
3. **Offering Unit** (See Table of Code Values.) College Department

General Instructions

The University Course Inventory is updated and maintained by the Office of the Registrar. The purpose of this form is to provide data necessary for deleting, suspending, or reactivating suspended courses from the inventory. The form will be prepared by the originating department and accompany course materials submitted to the Undergraduate Curriculum Committee (UCC) or Graduate Council for action. Following approval by the UCC or Graduate Council, University Senate, and Provost, course information will be entered into the Banner student information system.

EX Exploratory Studies

ACAD Academic Advising and Retention
ND Non Degree

GC Graduate Studies

GRAD Graduate Studies Office

HH Health & Human Services

99HH Interdisciplinary/Undeclared
ALHL Allied Health
CD Communication Disorders
CFS Family and Consumer Sciences
NURS School of Nursing
PHY Kinesiology, Recreation and Sport
PUBH Public Health
SWRK Social Work

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LEAD School of Leadership Studies

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AGRI Agriculture
AMS Architectural and Manufacturing Sciences
BIOL Biology
CHEM Chemistry
CS Computer Science
ENGR Engineering
GEO Geography and Geology
MATH Mathematics
PHYA Physics and Astronomy

Question 3 Table of Code Values

AR Arts & Letters

99AR Interdisciplinary/Undeclared
ART Art
COMM Communication
ENG English
FLKA Folk Studies and Anthropology
GOVT Political Science
HIST History
INT International Programs
JOUR School of Journalism and Broadcasting
MLNG Modern Languages
MUS Music
PHIL Philosophy and Religion
SOCL Sociology
THEA Theatre and Dance

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CIS Computer Information Systems
ECON Economics
FIN Finance
MGT Management
MKT Marketing and Sales

ED Education & Behavioral Sciences

99ED Interdisciplinary/Undeclared
CNSA Counseling and Student Affairs
EALR Educational Adm., Leadership and Research
EDLD Educational Leadership (doctoral program only)
MIL Military Science
PSY Psychology
TCH School of Teacher Education

Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 6 February 2013

**Ogden College of Science and Engineering
Department of Biology
Proposal to Reactivate a Suspended Course
(Consent Item)**

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: BIOL 464
- 1.2 Course title: Endocrinology
- 1.3 Credit hours: 3

2. Rationale for the course reactivation: This course was suspended during the 2009-2010 AY after the Biology Department had not offered BIOL 464 for 10+ years. The Biology Department recently hired (started fall 2012) a new faculty member whose expertise includes Vertebrate Endocrinology, with the expectation that he would teach the course in question on at least a semi-regular basis.

3. Effect of course reactivation on programs or other departments, if known: The availability of this course will be a popular and positive addition for students in Biology-related pre-professional programs (e.g., Pre-Med, Pre-Vet, Pre-Dent).

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Biology Department:	March 1, 2013
OCSE Curriculum Committee	_____
University Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

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CNSA Counseling and Student Affairs
EALR Educational Adm., Leadership and Research
EDLD Educational Leadership (doctoral program only)
MIL Military Science
PSY Psychology
TCH School of Teacher Education

Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 26 February 2013

**Ogden College of Science and Engineering
Department of Biology
Proposal to Reactivate a Suspended Course
(Consent Item)**

Contact Person: Bruce Schulte, bruce.schulte@wku.edu, 745-4856

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: BIOL 280
- 1.2 Course title: An Introduction to Environmental Science
- 1.3 Credit hours: 3

2. Rationale for the course reactivation: This course was suspended during the 2009-2010 AY since the Biology Department had not offered BIOL 280 since at least the 2000-2001 AY. The Biology Department has decided to reactivate this course since its' broad course title and course description can effectively capture a wide range of environmental concepts, topics, and settings, particularly since an important WKU mission is global learning. This course also can be used effectively in a study abroad format facilitating WKU's international reach.

3. Effect of course reactivation on programs or other departments, if known: This is a non-majors course, offering no majors credit for Biology majors. BIOL 280 is, however, cross-listed with five (AGRI, CHEM, ENV, GEOG, PH) other 280 courses. These classes fulfill general education requirements and the ENV 280 is in the degree sequence for public health. AGRI 280 is taught primarily at the WKU Glasgow campus. CHEM and PH 280 are not offered frequently and GEOG 280 is offered about once a year. The reactivation of BIOL 280 should not decrease enrollment in any of these other subjects.

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Biology Department:	March 1, 2013
OCSE Curriculum Committee	_____
University Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One

- Suspend Course
 Delete Course
 Reactivate Suspended Course

1. **Subject Area** BIOL **Course Number** 280 **Course Title** INTRO ENVIRONMENTAL SCIENCE
2. **Effective Term for Course Suspension, Deletion, or Reactivation** (e.g. Spring 2012=201210, Fall 2012=201230) 201330
3. **Offering Unit** (See Table of Code Values.) College SC Department BIOL

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 EALR Educational Adm., Leadership and Research
 EDLD Educational Leadership (doctoral program only)
 MIL Military Science
 PSY Psychology
 TCH School of Teacher Education

Office of the Registrar Use			
UCC _____	University Senate _____	Graduate Council _____	Provost _____
Banner Data _____			

Proposal Date: October 18, 2012

**Ogden College of Science
Department of Biology
Proposal to Revise Course Grading System
(Consent Item)**

Contact Person: Naomi Rowland, Naomi.rowland@wku.edu, 270-745-6931

- 1. Identification of course:**
 - 1.1 Current course prefix (subject area) and number: BIOL 199
 - 1.2 Course title: Introduction to Research
 - 1.3 Credit hours: 1

- 2. Current course grading system:** Pass/Fail only

- 3. Proposed course grading system:** Standard letter grading

- 4. Rationale for revision of course grading system:**

The evaluation system currently used in this class is based on assignments and exams. Shifting from P/F to an earned grade using the standard letter system appears warranted and should be implemented.

- 5. Proposed term for implementation:** Fall 2013

- 6. Dates of prior committee approvals:**

Department of Biology:	March 1, 2013
OCSE Curriculum Committee	_____
Undergraduate Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course** Existing Subject Area
 Existing Course Number
 Existing Course Title

2. **Identification of Proposed Course** Proposed Subject Area
 Proposed Course Number
 Proposed Official Course Title
 Proposed Abbreviated Title

3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230)

4. **Offering Unit** (See Table of Code Values.) College Department

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours

6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)

7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)

8. **Schedule Type** (See Table of Schedule Types.)

9. **Corequisites** (courses required to be taken **concurrently** with this course)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

10. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. **Prerequisites** (See instructions.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

Other

12. **Course Attribute** Honors Course Developmental Course

13. **Course Restrictions** Include/ Exclude College College Major Major Classification

14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

Office of the Registrar Use			
UCC _____	University Senate _____	CIP _____	Course Desc _____
Graduate Council _____	Provost _____	Banner Data _____	Evaluate _____

Proposal Date: 02/22/2013

**Ogden College Science and Engineering
Department of Chemistry
Proposal to Delete a Course
(Consent Item)**

Contact Person: Hemali Rathnayake, Hemali.rathnayake@wku.edu, 270-745-6238

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: CHEM 110
- 1.2 Course title: Freshman Seminar
- 1.3 Credit hours: 1

2. Rationale for the course deletion:

This course has not been offered in many years. Last offered in 2001.

3. Effect of course deletion on programs or other departments, if known: Deletion of this course will not affect the completion of any major or minor programs.

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Chemistry Department/Division: February 22, 2013

OCSE Curriculum Committee _____

Professional Education Council (if applicable) _____

General Education Committee (if applicable) _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One

Suspend Course

Delete Course

Reactivate Suspended Course

1. **Subject Area** **Course Number** **Course Title**
2. **Effective Term for Course Suspension, Deletion, or Reactivation** (e.g. Spring 2012=201210, Fall 2012=201230)
3. **Offering Unit** (See Table of Code Values.) College Department

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GS Liberal Arts and Sciences
HON Honors
INST Interdisciplinary Studies
LEAD School of Leadership Studies

SC Science & Engineering

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MATH Mathematics
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THEA Theatre and Dance

BU Gordon Ford College of Business

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MIL Military Science
PSY Psychology
TCH School of Teacher Education

Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 02/21/2013

**Ogden College of Science & Engineering
Department of Chemistry
Proposal to Suspend a Course
(Consent Item)**

Contact Person: Hemali Rathnayake, hemali.rathnayake@wku.edu, 270-745-6238

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: CHEM 280
- 1.2 Course title: Introduction to Environmental Science
- 1.3 Credit hours: 3

2. Rationale for the course suspension:

This course has not been offered since 2002. Since this course is cross-listed with other courses such as GEOG 280, GEOL 280, and PH 280, we do not expect to delete the course.

3. Effect of course suspension on programs or other departments, if known:

None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Chemistry Department/Division: _____

OCSE Curriculum Committee _____

General Education Committee (if applicable) _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One

Suspend Course

Delete Course

Reactivate Suspended Course

1. **Subject Area** **Course Number** **Course Title**
2. **Effective Term for Course Suspension, Deletion, or Reactivation** (e.g. Spring 2012=201210, Fall 2012=201230)
3. **Offering Unit** (See Table of Code Values.) College Department

General Instructions

The University Course Inventory is updated and maintained by the Office of the Registrar. The purpose of this form is to provide data necessary for deleting, suspending, or reactivating suspended courses from the inventory. The form will be prepared by the originating department and accompany course materials submitted to the Undergraduate Curriculum Committee (UCC) or Graduate Council for action. Following approval by the UCC or Graduate Council, University Senate, and Provost, course information will be entered into the Banner student information system.

EX Exploratory Studies

ACAD Academic Advising and Retention
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Office of the Registrar Use

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Graduate Council _____ Provost _____ Banner Data _____

February 18, 2013

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

Contact Person: Mustafa Atici
mustafa.atici@wku.edu
270-745-5093

1. Identification of course:

- 1.1 Course prefix (subject area) and number: CS 280
- 1.2 Course title: Computer Science III
- 1.3 Credit hours: 3

2. Current course catalog listing:

Finite and discrete algebraic structures, including Boolean algebras, directed and undirected graphs and the applications of these structures in computer science.

3. Proposed course catalog listing:

Finite and discrete structures, including basic proof techniques, algorithm analysis, graph concepts and algorithms, and introductions to finite state machine and formal languages, with their applications in computer science.

4. Rationale for revision of the course catalog listing:

Boolean algebras are a main topic in PHIL 215, a prerequisite course for CS 181, which is a prerequisite for this course. Therefore, that topic has been deleted from CS 280, and the current course content is reflected in the new course catalog listing.

5. Proposed term for implementation:

Fall 2013

6. Dates of prior committee approvals:

Computer Science Department February 26, 2013

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

COURSE INVENTORY FORM

Course Revisions

Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.

If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.

1. Identification of Existing Course Existing Subject Area
 Existing Course Number
 Existing Course Title

2. Identification of Proposed Course Proposed Subject Area
 Proposed Course Number
 Proposed Official Course Title
 Proposed Abbreviated Title

3. First effective term for course revision (e.g. Spring 2012=201210, Fall 2012=201230)

4. Offering Unit (See Table of Code Values.) College Department

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. Credit Hours Fixed Credit Hours: Variable Credit Hours

6. Repeat Limit (See instructions.) Total Maximum Hours (See instructions.)

7. Grading (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)

8. Schedule Type (See Table of Schedule Types.)

9. Corequisites (courses required to be taken concurrently with this course)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

10. Equivalent Courses (Include South Campus [C suffix] courses and other equivalent courses.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. Prerequisites (See instructions.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

 Other

12. Course Attribute Honors Course Developmental Course

13. Course Restrictions Include/ Exclude College College Major Major Classification

14. Course Description (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

Office of the Registrar Use	University Senate	CIP	Course Desc
UCC	Provost	Banner Data	Evaluate
Graduate Council			

Proposal Date: January 24, 2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: Greg Goodrich, gregory.goodrich@wku.edu, 5-5986

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 100
- 1.2 Course title: Introduction to the Physical Environment
- 1.3 Credit hours: 3

2. Rationale for the course deletion: GEOG 100 is a non-lab gen ed introductory physical geography course geared for non-majors. The newly created Earth science course GEOG 103 – Our Dynamic Planet, will replace GEOG 100 as an offering for non-major gen ed students who wish to learn more about Earth’s physical environment.

3. Effect of course deletion on programs or other departments, if known: This should not affect any programs or departments since a replacement course, GEOG 103 – Our Dynamic Planet, is being created to take its place.

4. Proposed term for implementation: Fall 2014

5. Dates of prior committee approvals:

Department of Geography and Geology: _____ 2/22/2013 _____

Ogden Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One

Suspend Course

Delete Course

Reactivate Suspended Course

1. **Subject Area** **Course Number** **Course Title**
2. **Effective Term for Course Suspension, Deletion, or Reactivation** (e.g. Spring 2012=201210, Fall 2012=201230)
3. **Offering Unit** (See Table of Code Values.) College Department

General Instructions

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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 203
- 1.2 Course title: Cartographic Orienteering
- 1.3 Credit hours: 1

2. Rationale for the course deletion: Content embedded in other GIS courses and in a new General Education course in development called Our Dynamic Planet.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 204
- 1.2 Course title: Volcanoes and Earthquakes
- 1.3 Credit hours: 1

2. Rationale for the course deletion: Content embedded in other earth science courses and in a new General Education course in development called Our Dynamic Planet.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

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Office of the Registrar Use

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Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 205
- 1.2 Course title: Tornadoes
- 1.3 Credit hours: 1

2. Rationale for the course deletion: Content embedded in other meteorology courses and in a new General Education course in development called Our Dynamic Planet.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

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Office of the Registrar Use

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Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 207
- 1.2 Course title: Hurricanes
- 1.3 Credit hours: 1

2. Rationale for the course deletion: Content embedded in other meteorology courses and in a new General Education course in development called Our Dynamic Planet.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

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University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

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Office of the Registrar Use

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Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 208
- 1.2 Course title: Floods and Droughts
- 1.3 Credit hours: 1

2. Rationale for the course deletion: Content embedded in other meteorology courses and in a new General Education course in development called Our Dynamic Planet.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One

Suspend Course

Delete Course

Reactivate Suspended Course

1. **Subject Area** GEOG **Course Number** 208 **Course Title** FLOODS AND DROUGHTS
2. **Effective Term for Course Suspension, Deletion, or Reactivation** (e.g. Spring 2012=201210, Fall 2012=201230) 201330
3. **Offering Unit** (See Table of Code Values.) College SC Department GEO

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Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 209
- 1.2 Course title: Natural Disasters
- 1.3 Credit hours: 1

2. Rationale for the course deletion: Content embedded in other earth science courses and in a new General Education course in development called Our Dynamic Planet.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One

Suspend Course

Delete Course

Reactivate Suspended Course

1. **Subject Area** **Course Number** **Course Title**
2. **Effective Term for Course Suspension, Deletion, or Reactivation** (e.g. Spring 2012=201210, Fall 2012=201230)
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EX Exploratory Studies

ACAD Academic Advising and Retention
ND Non Degree

GC Graduate Studies

GRAD Graduate Studies Office

HH Health & Human Services

99HH Interdisciplinary/Undeclared
ALHL Allied Health
CD Communication Disorders
CFS Family and Consumer Sciences
NURS School of Nursing
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SWRK Social Work

IS University College

99IS Dean's Office
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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 416
- 1.2 Course title: Remote Sensing
- 1.3 Credit hours: 3

2. Rationale for the course deletion: Content embedded in other remote sensing and GIS Courses. This course has not been taught since 200430.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

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Office of the Registrar Use

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Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 421
- 1.2 Course title: Advanced Geomorphology
- 1.3 Credit hours: 3

2. Rationale for the course deletion: Content embedded in other earth science courses. This course has not been taught since prior to 200130.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

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Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/13/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 454
- 1.2 Course title: Geography of Middle America
- 1.3 Credit hours: 3

2. Rationale for the course deletion: Course content is incorporated into a new regional Latin America course in development.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/22/2013_____

Ogden College Curriculum Committee _____

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 479
- 1.2 Course title: Industrial and Commercial Geography
- 1.3 Credit hours: 3

2. Rationale for the course deletion: Course no longer part of the curriculum
This course has not been taught since 200730.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 488
- 1.2 Course title: Rural Planning
- 1.3 Credit hours: 3

2. Rationale for the course deletion: Course content now incorporated into other offerings. This course has not been taught since prior to 200130.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 497
- 1.2 Course title: Spatial Decision Support Systems
- 1.3 Credit hours: 3

2. Rationale for the course deletion: Course content now incorporated into GIS and other statistical coursework. This course has not been taught since prior to 200130.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: January 24, 2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: Greg Goodrich, gregory.goodrich@wku.edu, 5-5986

- 1. Identification of course:**
 - 1.1 Current course prefix (subject area) and number: GEOL 102
 - 1.2 Course title: Introduction to Geology
 - 1.3 Credit hours: 3

- 2. Rationale for the course deletion:** GEOL 102 is a non-lab gen ed introductory geology course geared for non-majors. A very similar introductory geology course with a lab, GEOL 111 – The Earth, already exists and is required for Geology majors. The newly created Earth science course GEOG 103 – Our Dynamic Planet, will replace GEOL 102 as an offering for non-major gen ed students who wish to learn more about Earth science.

- 3. Effect of course deletion on programs or other departments, if known:** This should not affect any programs or departments since a replacement course, GEOG 103 – Our Dynamic Planet, is being created to take its place.

- 4. Proposed term for implementation:** Fall 2014

- 5. Dates of prior committee approvals:**

Department of Geography and Geology:	February 22, 2013
Ogden Curriculum Committee	_____
General Education Committee (if applicable)	_____
Undergraduate Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One

Suspend Course

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Reactivate Suspended Course

1. **Subject Area** GEOL **Course Number** 102 **Course Title** INTRODUCTION TO GEOLOGY
2. **Effective Term for Course Suspension, Deletion, or Reactivation** (e.g. Spring 2012=201210, Fall 2012=201230) 201430
3. **Offering Unit** (See Table of Code Values.) College SC Department GEO

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Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOL 203
- 1.2 Course title: Cartographic Orienteering
- 1.3 Credit hours: 1

2. Rationale for the course deletion: Content embedded in other GIS courses and in a new General Education course in development called Our Dynamic Planet.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

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EX Exploratory Studies

ACAD Academic Advising and Retention
ND Non Degree

GC Graduate Studies

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Question 3 Table of Code Values

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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOL 204
- 1.2 Course title: Volcanoes and Earthquakes
- 1.3 Credit hours: 1

2. Rationale for the course deletion: Content embedded in other earth science courses and in a new General Education course in development called Our Dynamic Planet.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

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Suspend Course

Delete Course

Reactivate Suspended Course

1. **Subject Area** **Course Number** **Course Title**
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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOL 209
- 1.2 Course title: Natural Disasters
- 1.3 Credit hours: 1

2. Rationale for the course deletion: Content embedded in other earth science courses and in a new General Education course in development called Our Dynamic Planet.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

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Office of the Registrar Use			
UCC _____	University Senate _____		
Graduate Council _____	Provost _____	Banner Data _____	

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOL 370
- 1.2 Course title: Principals of Stratigraphy
- 1.3 Credit hours: 3

2. Rationale for the course deletion: Course content is now incorporated into GEOL 460
This course has not been taught since 200430.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

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ND Non Degree

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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOL 480
- 1.2 Course title: Coal Geology
- 1.3 Credit hours: 3

2. Rationale for the course deletion: Course content now incorporated into other geology offerings. This course has not been taught since prior to 200210.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

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Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

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ND Non Degree

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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOL 486
- 1.2 Course title: Senior Environmental Seminar
- 1.3 Credit hours: 1

2. Rationale for the course deletion: Course content now incorporated into other offerings. This course has not been taught since prior to 200130.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One

Suspend Course

Delete Course

Reactivate Suspended Course

1. **Subject Area** GEOL **Course Number** 486 **Course Title** SENIOR ENVIRONMENTAL SEMINAR
2. **Effective Term for Course Suspension, Deletion, or Reactivation** (e.g. Spring 2012=201210, Fall 2012=201230) 201330
3. **Offering Unit** (See Table of Code Values.) College SC Department GEO

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Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Delete a Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOL 492
- 1.2 Course title: Spatial Analysis
- 1.3 Credit hours: 3

2. Rationale for the course deletion: Course content now incorporated into GIS and other statistical coursework. This course has not been taught since prior to 200130.

3. Effect of course deletion on programs or other departments, if known: None

4. Proposed term for implementation: Fall 2013

5. Dates of prior committee approvals:

Geography and Geology Department: _____2/8/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

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Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/8/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Suspend a Course
(Consent Item)**

Contact Person: Name, email, phone

- 1. Identification of course:**
 - 1.1 Current course prefix (subject area) and number: GEOG 428
 - 1.2 Course title: Applied Groundwater Hydrology
 - 1.3 Credit hours: 3

- 2. Rationale for the course suspension:** No faculty available to teach this course

- 3. Effect of course suspension on programs or other departments, if known:**
None

- 4. Proposed term for implementation:** 201330

- 5. Dates of prior committee approvals:**

Geography and Geology Department:	_____2/8/2013_____
Ogden College Curriculum Committee	_____
Undergraduate Curriculum Committee	_____
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Office of the Registrar

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Proposal Date: 2/7/2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Reactivate a Suspended Course
(Consent Item)**

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOL 470
- 1.2 Course title: Tectonics
- 1.3 Credit hours: 3

2. Rationale for the course reactivation: New faculty hire has expertise in course content.

3. Effect of course reactivation on programs or other departments, if known: None

4. Proposed term for implementation: 201330

5. Dates of prior committee approvals:

Geography and Geology Department: _____ 2/8/2013 _____

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Office of the Registrar

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INST Interdisciplinary Studies
LEAD School of Leadership Studies

SC Science & Engineering

99SC Interdisciplinary/Undeclared
AGRI Agriculture
AMS Architectural and Manufacturing Sciences
BIOL Biology
CHEM Chemistry
CS Computer Science
ENGR Engineering
GEO Geography and Geology
MATH Mathematics
PHYA Physics and Astronomy

Question 3 Table of Code Values

AR Arts & Letters

99AR Interdisciplinary/Undeclared
ART Art
COMM Communication
ENG English
FLKA Folk Studies and Anthropology
GOVT Political Science
HIST History
INT International Programs
JOUR School of Journalism and Broadcasting
MLNG Modern Languages
MUS Music
PHIL Philosophy and Religion
SOCL Sociology
THEA Theatre and Dance

BU Gordon Ford College of Business

99BU Interdisciplinary/Undeclared
ACCT Accounting
BA Business Administration
CIS Computer Information Systems
ECON Economics
FIN Finance
MGT Management
MKT Marketing and Sales

ED Education & Behavioral Sciences

99ED Interdisciplinary/Undeclared
CNSA Counseling and Student Affairs
EALR Educational Adm., Leadership and Research
EDLD Educational Leadership (doctoral program only)
MIL Military Science
PSY Psychology
TCH School of Teacher Education

Office of the Registrar Use

UCC _____ University Senate _____

Graduate Council _____ Provost _____ Banner Data _____

Proposal Date: 2/21/2013

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

Contact Person: Kevin Cary, kevin.cary@wku.edu, 5-2981

- 1. Identification of course:**
 - 1.1 Current course prefix (subject area) and number: GEOG 216
 - 1.2 Course title: GIS and Society
 - 1.3 Credit hours: 3

- 2. Proposed course title:** Geotechnologies in a Global Community

- 3. Proposed abbreviated course title:** Geotech in a Global Community
(max. of 30 characters including spaces)

- 4. Rationale for the revision of course title:** The proposed course title more accurately reflects the course content and distinguishes this GIS course from other GIS courses offered at WKU. The Department plans to submit this course for the new Connections category of the revised WKU General Education program, and this title is more reflective of the aims and goals of this new Gen. Ed. area.

- 5. Proposed term for implementation:** Fall 2013

- 6. Dates of prior committee approvals:**

Geography and Geology Department	_____2/22/2013_____
Ogden College Curriculum Committee	_____
Undergraduate Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course** Existing Subject Area GEOG
 Existing Course Number 216
 Existing Course Title GIS AND SOCIETY
2. **Identification of Proposed Course** Proposed Subject Area GEOG
 Proposed Course Number 216
 Proposed Official Course Title GEOTECHNOLOGIES IN A GLOBAL COMMUNITY
 Proposed Abbreviated Title GEOTECH IN A GLOBAL COMMUNITY
3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230) 201330
4. **Offering Unit** (See Table of Code Values.) College SC Department GEO

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours
6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)
7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)
8. **Schedule Type** (See Table of Schedule Types.)
9. **Corequisites** (courses required to be taken **concurrently** with this course)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number
10. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number
11. **Prerequisites** (See instructions.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

 Other
12. **Course Attribute** Honors Course Developmental Course
13. **Course Restrictions** Include/ Exclude College College Major Major Classification
14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

Office of the Registrar Use			
UCC _____	University Senate _____	CIP _____	Course Desc _____
Graduate Council _____	Provost _____	Banner Data _____	Evaluate _____

Proposal Date: 2/13/2013

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

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 451
- 1.2 Title: Geography of Kentucky
- 1.3 Credit hours: 3

2. Proposed course number: GEOG 352

3. Rationale for the revision of course number: This course historically populates with teacher education students and has no geography course prerequisite. The Department is realigning many 400-level courses to 300-level status to reflect the absence of prerequisites and to prepare for possible General Education reclassification.

4. Proposed term for implementation: 201330

5. Dates of prior committee approvals:

Geography and Geology Department	_____2/22/2013_____
Ogden College Curriculum Committee	_____
Professional Education Council	_____
Undergraduate Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course** Existing Subject Area
 Existing Course Number
 Existing Course Title

2. **Identification of Proposed Course** Proposed Subject Area
 Proposed Course Number
 Proposed Official Course Title
 Proposed Abbreviated Title

3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230)

4. **Offering Unit** (See Table of Code Values.) College Department

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours

6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)

7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)

8. **Schedule Type** (See Table of Schedule Types.)

9. **Corequisites** (courses required to be taken **concurrently** with this course)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

10. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. **Prerequisites** (See instructions.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

Other

12. **Course Attribute** Honors Course Developmental Course

13. **Course Restrictions** Include/ Exclude College College Major Major Classification

14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

Office of the Registrar Use			
UCC _____	University Senate _____	CIP _____	Course Desc _____
Graduate Council _____	Provost _____	Banner Data _____	Evaluate _____

Proposal Date: 1/16/2013

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

Contact Person: Michael May, michael.may@wku.edu, 5-4555

1. Identification of course:

- 1.1 Course prefix (subject area) and number: GEOL 475
- 1.2 Course title: Special Topics in Geology
- 1.3 Credit hours: 1-3

2. Current course catalog listing: A lecture-discussion course in which advanced or special topics in geology are considered in detail. Prerequisite: Permission of instructor.

3. Proposed course catalog listing: A lecture-discussion or supervised research course in which advanced or special topics in geology are considered in detail. Students may repeat the course when the topic changes for a maximum total of 12 credit hours. Special topics courses may not replace required courses in the geology major/minor but may be applied as elective credit. Prerequisite: Permission of instructor.

4. Rationale for revision of the course catalog listing: With the advent of many new techniques and research technologies, students are demanding exposure to material that is not typically taught in foundational or required courses in the geology major. The flexibility of this special topics course provides faculty the opportunity to experiment with new technologies or software, or focus on very specific research issues, in ways that are not addressed in established geology courses.

5. Proposed term for implementation: Fall 2013

6. Dates of prior committee approvals:

Geography and Geology Department: _____1/16/2013_____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course** Existing Subject Area
 Existing Course Number
 Existing Course Title

2. **Identification of Proposed Course** Proposed Subject Area
 Proposed Course Number
 Proposed Official Course Title
 Proposed Abbreviated Title

3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230)

4. **Offering Unit** (See Table of Code Values.) College Department

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours TO

6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)

7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)

8. **Schedule Type** (See Table of Schedule Types.)

9. **Corequisites** (courses required to be taken **concurrently** with this course)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

10. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. **Prerequisites** (See instructions.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

Other

12. **Course Attribute** Honors Course Developmental Course

13. **Course Restrictions** Include/ Exclude College College Major Major Classification

14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

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

Contact Person: Margaret Crowder, Margaret.crowder@wku.edu, 5-5973

1. Identification of course:

- 1.1 Course prefix (subject area) and number: GEOL 311
- 1.2 Course title: General Oceanography
- 1.3 Credit hours: 3

2. Current prerequisites:

GEOL 102 or GEOL 111 or permission of instructor

3. Proposed prerequisites:

GEOL 111 and GEOL 113, or permission of instructor

4. Rationale for the revision of prerequisites:

GEOL 102 is being phased out in the Department of Geography and Geology. The new prerequisites better represent the prior knowledge students need to succeed in GEOL 311. In particular, the addition of the requirement of the 113 laboratory experience gives students a good foundation in mapping, contouring, and mineralogy that better prepares them for course topics such as bathymetry, solubility, and marine sediment production and distribution.

5. Effect on completion of major/minor sequence:

The proposed change should have no effect on completion of a major/minor sequence, as GEOL 111 and GEOL 113 are the required introductory courses for both the major and minor.

6. Proposed term for implementation:

Fall 2013

7. Dates of prior committee approvals:

Geography and Geology Department _____ 2/22/2013 _____

Ogden College Curriculum Committee _____

Professional Education Council (if applicable) _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course** Existing Subject Area
 Existing Course Number
 Existing Course Title

2. **Identification of Proposed Course** Proposed Subject Area
 Proposed Course Number
 Proposed Official Course Title
 Proposed Abbreviated Title

3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230)

4. **Offering Unit** (See Table of Code Values.) College Department

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours

6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)

7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)

8. **Schedule Type** (See Table of Schedule Types.)

9. **Corequisites** (courses required to be taken **concurrently** with this course)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

10. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. **Prerequisites** (See instructions.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

 Other

12. **Course Attribute** Honors Course Developmental Course

13. **Course Restrictions** Include/ Exclude College College Major Major Classification

14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

Office of the Registrar Use			
UCC _____	University Senate _____	CIP _____	Course Desc _____
Graduate Council _____	Provost _____	Banner Data _____	Evaluate _____

Proposal Date: 2/22/13

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

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

1. Identification of course:

- 1.1 Course prefix (subject area) and number: GEOL 405
- 1.2 Course title: Paleontology
- 1.3 Credit hours: 4

2. Current prerequisites:

GEOL 112 and 114 and BIOL 120-121 or permission of instructor

3. Proposed prerequisites:

GEOL 112 and 114 and BIOL 122-123 or permission of instructor

4. Rationale for the revision of prerequisites:

The content covered in BIOL 122-123 - Evolution, Diversity, and Ecology - is much more appropriate for Paleontology than is the content for BIOL 120-121 which focuses on Cells, Metabolism, and Genetics.

5. Effect on completion of major/minor sequence:

There will be no effect on the completion of the major/minor sequence.

6. Proposed term for implementation:

Fall 2013

7. Dates of prior committee approvals:

Geography and Geology Department _____ 2/22/2013 _____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course** Existing Subject Area
 Existing Course Number
 Existing Course Title

2. **Identification of Proposed Course** Proposed Subject Area
 Proposed Course Number
 Proposed Official Course Title
 Proposed Abbreviated Title

3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230)

4. **Offering Unit** (See Table of Code Values.) College Department

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours

6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)

7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)

8. **Schedule Type** (See Table of Schedule Types.)

9. **Corequisites** (courses required to be taken **concurrently** with this course)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

10. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. **Prerequisites** (See instructions.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

 Other

12. **Course Attribute** Honors Course Developmental Course

13. **Course Restrictions** Include/ Exclude College College Major Major Classification

14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

Office of the Registrar Use			
UCC _____	University Senate _____	CIP _____	Course Desc _____
Graduate Council _____	Provost _____	Banner Data _____	Evaluate _____

**Ogden College of Science
Department of Agriculture
Proposal to Make Multiple Revisions to a Course
(Action Item)**

Contact Person: Jack L. Rudolph Jr., jack.rudolph@wku.edu 270-745-3151

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: AGRO 317
- 1.2 Course title: Plant Pathology
- 1.3 Credit hours: 3

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: none
- 4.2 Proposed prerequisites: AGRO 110 or permission of instructor
- 4.3 Rationale for revision of course prerequisites: Students are better able to understand the study of plant disease when they have had exposure to basic plant science.
- 4.4 Effect on completion of major/minor sequence: none

5. Revise course catalog listing:

- 5.1 Current course catalog listing: Symptoms, causes and control of some of the more representative plant diseases. Methods of control will be stressed. Lecture, three hours.
- 5.2 Proposed course catalog listing: Introduction to common plant pathogens and diseases of agronomically important field and forage crops, turf, vegetables and ornamentals. Topics include control measures, newly discovered diseases and plant/pathogen interactions.
- 5.3 Rationale for revision of course catalog listing: Agro 317 is being offered now after not being taught for several years. The faculty wishes to provide a more detailed and updated description of the content.

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. Proposed term for implementation: Fall 2013

8. Dates of prior committee approvals:

Agriculture Department:	2/28/2013
OCSE Curriculum Committee	_____
Undergraduate Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course** Existing Subject Area
 Existing Course Number
 Existing Course Title

2. **Identification of Proposed Course** Proposed Subject Area
 Proposed Course Number
 Proposed Official Course Title
 Proposed Abbreviated Title

3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230)

4. **Offering Unit** (See Table of Code Values.) College Department

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours

6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)

7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)

8. **Schedule Type** (See Table of Schedule Types.)

9. **Corequisites** (courses required to be taken **concurrently** with this course)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

10. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. **Prerequisites** (See instructions.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

 Other

12. **Course Attribute** Honors Course Developmental Course

13. **Course Restrictions** Include/ Exclude College College Major Major Classification

14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

Proposal Date: 02/07/2013

**Ogden College of Science & Engineering
Department of Architectural & Manufacturing Sciences
Proposal to Make Multiple Revisions to a Course
(Action Item)**

Contact Person: John Khouryieh, hanna.khouryieh@wku.edu, 270-852-6407

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: AMS 301
- 1.2 Course title: Introduction to Food Science and Technology
- 1.3 Credit hours: 3

2. Revise course prerequisites/corequisites/special requirements:

- 2.1 Current prerequisites: CHEM 105, BIOL 207/208
- 2.2 Proposed prerequisites: CHEM 105
- 2.3 Rationale for revision of course prerequisites:
This is the foundation course in the food processing and technology concentration. Its primary goal is to introduce students to the basics concepts of food science and technology. Students need to know only basic chemistry concepts before taking this course.
- 2.4 Effect on completion of major/minor sequence: None

3. Revise course catalog listing:

- 3.1 Current course catalog listing: Basic concepts of transport and storage of liquids and solids, and heating and cooling of food ingredients and food products.
- 3.2 Proposed course catalog listing: A comprehensive introduction to the basic concepts and principles of food science and the role of science in food processing and manufacturing.
- 3.3 Rationale for revision of course catalog listing: The current description does not focus on the basic principles of food science and technology. Students need to know the composition of foods so they can understand their physical, sensory and nutritional properties, as well as the changes that take place during processing.

5. Proposed term for implementation: Fall 2013

6. Dates of prior committee approvals:

AMS Department: February 15, 2013

OCSE Curriculum Committee: _____

Undergraduate Curriculum Committee: _____

University Senate: _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course**

Existing Subject Area
 Existing Course Number
 Existing Course Title

2. **Identification of Proposed Course**

Proposed Subject Area
 Proposed Course Number
 Proposed Official Course Title
 Proposed Abbreviated Title

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230)

4. **Offering Unit** (See Table of Code Values.) College Department

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours

6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)

7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)

8. **Schedule Type** (See Table of Schedule Types.)

9. **Corequisites** (courses required to be taken **concurrently** with this course)

Subject Area	Course Number	Subject Area	Course Number	Subject Area	Course Number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

10. **Equivalent Courses** (Include Commonwealth School courses and other equivalent courses.)

Subject Area	Course Number	Subject Area	Course Number	Subject Area	Course Number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

11. **Prerequisites** (See instructions.)

Subject Area	Course Number	Subject Area	Course Number	Subject Area	Course Number
<input type="text" value="CHEM"/>	<input type="text" value="105"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other

12. **Course Attribute** Honors Course Developmental Course

13. **Course Restrictions** Include/ Exclude College College Major Major Classification

14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

15. **Approvals:** Department Head _____ Date _____
 Undergraduate Curriculum Committee _____ University Senate _____

Office of the Registrar Use

CIP
 Banner Data _____
 Course Description _____
 Evaluate _____

Proposal Date: 9 February 2013

Ogden College of Science and Engineering
Department of Biology
Proposal to Make Multiple Revisions to a Course
(Action Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: BIOL 317
- 1.2 Course title: Plant Pathology
- 1.3 Credit hours: 3

2. Revise course title:

- 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: N/A
- 3.2 Proposed course number: N/A
- 3.3 Rationale for revision of course number: N/A

4. Revise course prerequisites/corequisites/special requirements:

- 4.1 Current prerequisites/corequisites/special requirements: Prerequisites – BIOL 120/121
- 4.2 Proposed prerequisites/corequisites/special requirements: Prerequisites – BIOL 120/121, BIOL 122/123
- 4.3 Rationale for revision of course prerequisites/corequisites/special requirements: BIOL 120/121 and BIOL 122/123 are the minimum prerequisites for all majors-level Biology courses. When BIOL 317 was last taught (prior to mid-1990's), the current BIOL 122/123 was not part of the Biology curriculum. The current BIOL 122/123 was implemented during the 2004-2005 AY.
- 4.4 Effect on completion of major/minor sequence: None. The BIOL 120/121 - BIOL 122/123 sequence is required for all Biology majors and minors.

5. Revise course catalog listing:

- 5.1 Current course catalog listing: Symptoms, causes and control of some of the more representative plant diseases. Methods of control will be stressed. Lecture, two hours; laboratory, two hours.
- 5.2 Proposed course catalog listing: Introduction to common plant pathogens and diseases of agronomically important field and forage crops, turf, vegetables and ornamentals. Topics include control measures, newly discovered diseases, and plant-pathogen interactions.

5.3 Rationale for revision of course catalog listing: The science of Plant Pathology has changed considerably since this course was last taught. A modern and accurate description of course content is needed.

6. Revise course credit hours:

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. Proposed term for implementation: Fall 2013

8. Dates of prior committee approvals:

Department of Biology:

March 1, 2013

Ogden College Curriculum Committee

Undergraduate Curriculum Committee

University Senate

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course** Existing Subject Area
 Existing Course Number
 Existing Course Title

2. **Identification of Proposed Course** Proposed Subject Area
 Proposed Course Number
 Proposed Official Course Title
 Proposed Abbreviated Title

3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230)

4. **Offering Unit** (See Table of Code Values.) College Department

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours

6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)

7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)

8. **Schedule Type** (See Table of Schedule Types.)

9. **Corequisites** (courses required to be taken **concurrently** with this course)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

10. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. **Prerequisites** (See instructions.)
 Subject Area Course Number Subject Area Course Number Subject Area Course Number

 Other

12. **Course Attribute** Honors Course Developmental Course

13. **Course Restrictions** Include/ Exclude College College Major Major Classification

14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

Proposal Date: 28 January 2013

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

Contact Person: Jarrett Johnson, jarrett.johnson@wku.edu, 745-6032

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: BIOL 457
- 1.2 Course title: Herpetology
- 1.3 Abbreviated course title: Herpetology
- 1.4 Credit hours and contact hours: 4
- 1.5 Schedule type: C
- 1.6 Prerequisites: BIOL 224/225 with a grade of "C" (or higher) or consent of instructor
- 1.7 Course description: The diversity, biology, and conservation of reptiles and amphibians. Off-campus travel will be required.

2. Rationale:

- 2.1 Reason for developing the proposed course: Amphibians and reptiles represent two of the five major lineages of vertebrates. An understanding of the taxonomy and biology of these groups is an important component of an organismal-based undergraduate education in biology. Reptile and amphibian species are popular in the pet trade and many students have had casual outdoor experiences with common local species. The proposed course would provide the opportunity for students to gain a broader understanding of the diversity and importance of reptiles and amphibians both locally and globally. Many amphibians and reptiles species are experiencing population declines, and students interested in careers in conservation or wildlife biology will likely need an understanding of the natural history of these organisms.
In addition, a course in herpetology was taught in the WKU Biology Department during the 1970s. Dr. Johnson was hired, in part, with the expectation to offer Herpetology on a least a semi-regular basis.
- 2.2 Projected enrollment in the proposed course: 15-20. This course was taught during spring 2012 as a temporary course (with same number), with a finishing enrollment of 15 undergraduates and 5 graduate students in a complementary 457G section.
- 2.3 Relationship of the proposed course to courses now offered by the department: The Biology Department offers courses that cover each of the other major vertebrate groups (BIOL 326 Ornithology, BIOL 456 Ichthyology, and BIOL459 Mammalogy). The proposed course covers the remaining two groups: reptiles and amphibians. The proposed course would complement the other courses well, and provide students with the opportunity to complete their education of vertebrate ecology, evolution, and diversity. It is not unusual for a comprehensive or

research institution to offer Herpetology and this is a course that had previously been taught at WKU.

- 2.4 Relationship of the proposed course to courses offered in other departments: Little, at best. GEOL 405 (Paleontology) provides a comprehensive overview of the nature of the fossil record with particular emphasis on invertebrates. The proposed course begins with an overview of the evolution of vertebrates (fish, amphibians, mammals, reptiles, and birds) but focus mainly on the diversity, biology, and conservation of reptiles and amphibians.
- 2.5 Relationship of the proposed course to courses offered in other institutions: Nine of our benchmark institutions (Ball State University, Western Illinois University, Missouri State University, Indiana State University, Towson University, Stephen F. Austin State University, Eastern Michigan University, Central Missouri State University, and California State University-Chico) offer a Herpetology course.

3. Discussion of proposed course:

- 3.1 Course objectives: To introduce students to the field of herpetology, while emphasizing the evolutionary relationships of major groups of amphibians and reptiles, the diversity of life-history adaptations, and the identification of species found in Kentucky. This course will include discussions of evolutionary history and the fossil record, and introduce a wide range of molecular and field techniques for the modern study of amphibian and reptile species and populations from taxonomic and ecological perspectives.

- 3.2 Content outline:

Lecture

- Introduction to herpetology
- Concepts in systematics and evolution of Tetrapoda
- Evolution of Amniotes and major features of living amphibians
- Amphibian diversity
- Major features of living reptiles and reptile diversity
- Problems in phylogeny
- Life histories
- Reproduction and mating systems
- Osmoregulation and thermoregulation
- Locomotion, orientation and movement
- Communication and foraging ecology
- Defense
- Population ecology and phylogeography
- Conservation of amphibians and reptiles

Lab

- Salamander diversity
- Salamanders of Kentucky
- Frog diversity
- Frogs of Kentucky
- Amphibian field trip

- Turtle diversity
- Turtles of Kentucky
- Lizard diversity
- Lizards of Kentucky
- Snake diversity
- Snakes of Kentucky
- Reptile field trip

- 3.3 Student expectations and requirements: Student performance will be based on lecture exams and laboratory practical exams.
- 3.4 Tentative texts and course materials: Herpetology by Vitt and Caldwell (3rd Edition), A Field Guide to Reptiles & Amphibians of Eastern & Central North America by Conant and Collins (3rd Edition).

4. Resources:

- 4.1 Library resources: Herpetology by Vitt and Caldwell (3rd Edition) text on reserve.
- 4.2 Computer resources: Departmental computer resources are sufficient to instruct students during lectures.

5. Budget implications:

- 5.1 Proposed method of staffing: Additional staff is not required. Note, this an expected components of the Dr. Johnson's teaching requirements.
- 5.2 Special equipment needed: None
- 5.3 Expendable materials needed: None
- 5.4 Laboratory materials needed: None

6. Proposed term for implementation: Fall 2013

7. Dates of prior committee approvals:

Department of Biology:	March 1, 2013
Ogden College Curriculum Committee:	_____
Undergraduate Curriculum Committee:	_____
University Senate:	_____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One [X] Create New Course [] Temporary Course Offering

1. Has this course previously been offered on a temporary basis? [X] Yes [] No If yes, indicate the term offered 201220

2. Subject Area: BIOL Course Number: 457 Course Title: HERPETOLOGY

3. Term for Implementation: 201230

4. Official Course Title: HERPETOLOGY

5. Offering Unit: SC College Department: BIOL

6. Credit Hours: Fixed Credit Hours: 4.00 Variable Credit Hours: [] [] []

7. Repeat Limit: 0 Total Maximum Hours: []

8. Grading: [X] Standard Letter Grading [] Pass/Fail Only [] No Grade [] In Progress - IP

9. Schedule Type: [C] [] []

10. Corequisites: Table with Subject Area, Course Number, Subject Area, Course Number columns.

11. Equivalent Courses: Table with Subject Area, Course Number, Subject Area, Course Number columns.

12. Prerequisites: Table with Subject Area, Course Number, Subject Area, Course Number columns.

13. Course Attribute: [] Other: With a grade of C or higher or consent of instructor [] Honors Course [] Developmental Course

14. Course Restrictions: [] Include/[] Exclude College [] College [] Major [] Major [] Classification []

15. Course Description: The diversity, biology, and conservation of reptiles and amphibians. Off-campus travel will be required.

16. Approvals for Temporary Course Only: Department Head, College Dean, Graduate Dean, Provost Office with dates.

Office of the Registrar Use: UCC, University Senate, CIP, Course Desc, Graduate Council, Provost, Banner Data, Evaluate.

Proposal Date: 02/21/2013

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

Contact Person: Hemali Rathnayake, hemali.rathnayake@wku.edu, 270-745-6238

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: CHEM 240
- 1.2 Course title: Introduction to Organic Chemistry
- 1.3 Abbreviated course title: Intro Organic Chemistry
- 1.4 Credit hours and contact hours: 3 Credit hours
- 1.5 Type of course: L
- 1.6 Prerequisites/corequisites: CHEM 222 and CHEM 223
- 1.7 Course catalog listing: An introduction to selected topics in organic chemistry including structure-property relationships, bonding, functional groups, and acid-base reaction mechanisms.

2. Rationale:

- 2.1 Reason for developing the proposed course: This course is designed as a preparatory course for CHEM 340 (Organic Chemistry I). This course specifically focuses on those basic concepts in organic chemistry that have been found to impede success in CHEM 340. Currently, students who have difficulty with or who withdraw from Organic Chemistry I have no options but to repeat the course. CHEM 240 is seen as a booster course that will improve fundamentals and will help facilitate success in the main sequence of organic chemistry. Moreover, it will use the same textbook as CHEM 340, thus preventing students from purchasing an additional textbook. This course will not be accepted as a course in any chemistry major or minor as it designed only as a booster class, much as CHEM 116 serves to help success in CHEM 120/121.
- 2.2 Projected enrollment in the proposed course: Based on current enrolment in CHEM 340, projected class size is 20-30/offering.
- 2.3 Relationship of the proposed course to courses now offered by the department: This course covers selected material from the first half of CHEM 340 such as structure-property relationship, bonding in organic compounds, functional groups and acid-base reactions.
- 2.4 Relationship of the proposed course to courses offered in other departments: none
- 2.5 Relationship of the proposed course to courses offered in other institutions: Similar courses are offered at other institutions as preparation for Organic Chemistry I and II. For example, the University of Massachusetts - Amherst offers CHEM 261 as a prep course for CHEM 265 (Organic Chemistry).

3. Discussion of proposed course:

- 3.1 Course objectives: This course is designed to equip the student with the skills and fundamentals necessary to facilitate success in the organic chemistry sequence (CHEM 340 and CHEM 342). The core fundamentals of organic chemistry will be stressed, focusing on those topics that seem to be “stumbling blocks” to many students.
- 3.2 Content outline: This includes selected topics covered in the first half of Organic Chemistry I:
- *Organic Chemical Bonds and Lewis Structures*
 - *Functional Groups*
 - *Acid-Base Chemistry*
 - *Introduction to Substitution and Elimination Reactions and Their Mechanisms.*
- 3.3 Student expectations and requirements: Students will be evaluated through course assignments such as quizzes, exams, and homework all of which will be evaluated by the instructor.
- 3.4 Tentative texts and course materials: Organic Chemistry by Solomons Fryhle, 11th Edition, Wiley-Science.

4. Resources:

- 4.1 Library resources: No additional resources are required.
- 4.2 Computer resources: No additional resources are required.

5. Budget implications:

- 5.1 Proposed method of staffing: This course is designed to be offered in Winter Term, May Term, and in the second part of the Summer semester to help students who need to take CHEM 340 during the regular terms. Consequently, it will not increase teaching loads of faculty in the organic division. Furthermore, student success and retention in Organic Chemistry is expected to improve. Special equipment needed: None
- 5.2 Expendable materials needed: None
- 5.3 Laboratory materials needed: None

6. Proposed term for implementation: May 2013

7. Dates of prior committee approvals:

Chemistry Department/Division: _____

OCSE Curriculum Committee _____

General Education Committee (if applicable) _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One **Create New Course**
 Temporary Course Offering

1. Has this course previously been offered on a temporary basis? Yes No If yes, indicate the term offered
2. **Subject Area** **Course Number** **Course Title** (as it should appear on the transcript; maximum of 30 letters & spaces)
3. **Term for Implementation** (e.g., Spring 2012=201210, Fall 2012=201230)
4. **Official Course Title**
5. **Offering Unit** (See Table of Code Values.) College Department
6. **Credit Hours** Fixed Credit Hours: Variable Credit Hours
7. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)
8. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (Course is intended to span more than one term.)
9. **Schedule Type** (See Table of Schedule Types.)
10. **Corequisites** (courses required to be taken **concurrently** with this course)
- | Subject Area | Course Number | Subject Area | Course Number | Subject Area | Course Number |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
11. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
- | Subject Area | Course Number | Subject Area | Course Number | Subject Area | Course Number |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
12. **Prerequisites** (See instructions.)
- | Subject Area | Course Number | Subject Area | Course Number | Subject Area | Course Number |
|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------|----------------------|
| <input type="text" value="CHEM"/> | <input type="text" value="222"/> | <input type="text" value="CHEM"/> | <input type="text" value="223"/> | <input type="text"/> | <input type="text"/> |
- Other
13. **Course Attribute** Honors Course Developmental Course
14. **Course Restrictions** Include/ Exclude College College Major Major Classification
15. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)
16. **Approvals for Temporary Course Only:**
- | | | | |
|-----------------|-------|------|-------|
| Department Head | _____ | Date | _____ |
| College Dean | _____ | Date | _____ |
| Graduate Dean | _____ | Date | _____ |
| Provost Office | _____ | Date | _____ |

Office of the Registrar Use

UCC _____

University Senate _____

CIP _____

Course Desc _____

Proposal Date: February 15, 2013

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

Contact Person: Moon-Soo Kim, moon-soo.kim@wku.edu, 5-4362

1. Identification of Proposed Course:

- 1.1 Course prefix (subject area) and number: CHEM 307
- 1.2 Course title: Food Chemistry
- 1.3 Abbreviated course title: Food Chemistry
- 1.4 Credit hours and contact hours: 3 credit hours
- 1.5 Type of course: L
- 1.6 Prerequisites: CHEM 107/108, or CHEM 109, or a college-level chemistry course.
- 1.7 Course catalog listing: An understanding of the fundamental building blocks in foods (proteins, lipids, carbohydrates, and minerals) and chemical, physical, and biological phenomena that affect food quality, texture, flavor, and safety. This course will not be accepted as a course in any chemistry major or minor as it is in the course catalog listing for CHEM 304.

2. Rationale:

- 2.1 Reasons for developing the proposed course: This course is designed to allow students in chemistry, nutrition, or health science disciplines to apply scientific principles to understanding the properties and functionalities of foods and the important changes occurring during food processing and storage. This course will provide students with an opportunity to develop a conceptual framework to understand unfamiliar phenomena in terms of food chemistry as well as to understand the important chemical basis of food quality, texture, flavor, and safety. While this course is designed as part of the Food Science Cluster in the context of potentially developing the Food Science Major, it is expected to be useful for non-food science students taking it as a practical application of chemical principles.
- 2.2 Projected enrollment in the proposed course: 20 based on the current enrollment of CHEM 304 Biochemistry for the Health Sciences. Students from outside the Food Science Cluster are expected to enroll as well.
- 2.3 Relationship of the proposed course to courses now offered by the department: This course builds on content in CHEM 107/108 and CHEM 109 such as proteins, carbohydrates, and lipids, but focuses on understanding chemistry as the key functional attributes of the major food components. Also this course can be accepted as a Nutritional Chemistry Minor as CHEM 304.
- 2.4 Relationship of the proposed course to courses offered in other departments: None

2.5 Relationship of the proposed course to courses offered in other institution: Similar courses are offered at numerous institutions as food chemistry/biochemistry. This course is one of the core food science courses in other institutions.

Examples include:

University of Massachusetts, Amherst: Food Science 541 Food Chemistry

University of California, Davis: FST 201 Food Chemistry and Biochemistry

3. Description of proposed course:

3.1 Course objectives: The goal of this course is to enable students to understand foods as mechanistic, chemical systems. All the phenomena observed in preparing food can, in principle, be understood in classically chemical terms. Understanding how chemical systems behave enables us to control them better to meet our many needs. Students will enter the course with a strong understanding of chemistry fundamentals and leave with an understanding of how chemistry applies to food. Through real examples, students will recognize the underlying physiochemical mechanisms responsible for food functionality and quality and will be able to use their knowledge of food chemistry to identify the important control points and consequences of the reactions.

3.2 Content outline:

Carbohydrates

- Introduction and structure
- Monosaccharides, oligosaccharides and polysaccharides
- Chemical reactions
- Functional properties

Proteins

- Amino acids
- Molecular bonds
- Protein structure
- Protein denaturation
- Functional properties

Enzymes

- Introduction
- Food enzyme
- Factors influencing enzyme activity

Lipids

- Structure
- Lipid processing, lipid oxidation
- Methods and control of oxidation
- Antioxidants
- Emulsions

Additives

- Colors
- Preservatives
- Flavors

3.3 Student expectation and requirements: The course assignments include exams, reading, and homework, as well as a paper on the application of chemistry knowledge discussed during class to a real example.

3.4 Tentative texts and course materials: Principles of Food Chemistry (John deMan, 3rd edition, Aspen Publishers Inc., Gaithersburg, Md.) will be required for the course. Food Chemistry (ed. Owen Fennema, 3rd edition, Marcel Dekker, New York) will be recommended as a resource. Other materials (handouts) will be provided in class.

3. **Resources**

4.1 Library resources: Adequate

4.2 Computer resources: Not Applicable

4. **Budget Implications**

5.1 Proposed method of staffing:

Current staffing – Dr. Moon-Soo Kim was hired in 2012 as a Food Chemist. This course will be a part of her regular teaching rotation and will be a part of the emerging Food Science curriculum in Ogden.

5.2 Special equipment needed: None

5.3 Expendable materials needed: None

5.4 Laboratory materials needed: None

5. **Proposed term for Implementation: Fall 2014**

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

Chemistry Department: _____

OCSE Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One [X] Create New Course [] Temporary Course Offering

1. Has this course previously been offered on a temporary basis? [] Yes [X] No If yes, indicate the term offered []

2. Subject Area [CHEM] Course Number [307] Course Title (as it should appear on the transcript; maximum of 30 letters & spaces) [FOOD CHEMISTRY]

3. Term for Implementation (e.g., Spring 2012=201210, Fall 2012=201230) [201430]

4. Official Course Title [FOOD CHEM]

5. Offering Unit (See Table of Code Values.) College [SC] Department [CHEM]

6. Credit Hours Fixed Credit Hours: [3.00] Variable Credit Hours [] [] []

7. Repeat Limit (See instructions.) [0] Total Maximum Hours (See instructions.) [3.00]

8. Grading (Check all that apply.) [X] Standard Letter Grading [] Pass/Fail Only [] No Grade [] In Progress - IP (Course is intended to span more than one term.)

9. Schedule Type (See Table of Schedule Types.) [] [] []

10. Corequisites (courses required to be taken concurrently with this course) Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. Equivalent Courses (Include South Campus [C suffix] courses and other equivalent courses.) Subject Area Course Number Subject Area Course Number Subject Area Course Number

12. Prerequisites (See instructions.) Subject Area Course Number Subject Area Course Number Subject Area Course Number

13. Course Attribute [] Other [] [] Honors Course [] Developmental Course

14. Course Restrictions [] Include/[] Exclude College [] College [] Major [] Major [] Classification []

15. Course Description (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.) An understanding of the fundamental building blocks in foods (proteins, lipids, carbohydrates, and minerals) and chemical, physical, and biological phenomena that affect food quality.

16. Approvals for Temporary Course Only: Department Head, College Dean, Graduate Dean, Provost Office with corresponding Date lines.

**Ogden College
Department of Chemistry
Proposal to Create a New Course
(Action Item)**

Contact Person: Les Pesterfield, lester.pestterfield@wku.edu, 5-6246

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: CHEM 421
- 1.2 Course title: Inorganic Chemistry Laboratory
- 1.3 Abbreviated course title: Inorganic Chem Lab
- 1.4 Credit hours and contact hours: 1 hr, 3 hr
- 1.5 Type of course: B: Laboratory
- 1.6 Prerequisites/corequisites: Corequisite CHEM 420
- 1.7 Course catalog listing: A laboratory course emphasizing the synthesis and characterization of inorganic compounds of the main group and transition metals. Laboratory meets once a week for three hours. (Course fee)

2. Rationale:

- 2.1 Reason for developing the proposed course:
Historically the Department has used the special topics laboratory course (CHEM 476) to satisfy the inorganic lab recommendation of the American Chemical Society. This has caused confusion for students since all of the lecture/laboratory sequences in the Chemistry Department are sequentially numbered (e.g. 120/121 and 222/223) except for inorganic lecture/laboratory sequence (CHEM 420 and 476). The proposed laboratory permits the inorganic sequence to be brought in line with the remainder of the departmental sequences. CHEM 476 is the special topics laboratory course in the department corresponding to the special topics lecture course of CHEM 475.
- 2.2 Projected enrollment in the proposed course: 5-10 based on enrollment in CHEM 420.
- 2.3 Relationship of the proposed course to courses now offered by the department:
CHEM 421 will provide a laboratory experience to accompany CHEM 420. The course has traditionally been taught under the CHEM 476 course title. CHEM 476 will retain the special topics designation within the Department.
- 2.4 Relationship of the proposed course to courses offered in other departments:
No other courses offered at WKU have significant overlap with the proposed lab.
- 2.5 Relationship of the proposed course to courses offered in other institutions: All ACS-certified Chemistry Departments offer either an independent inorganic laboratory or an integrated (inorganic/organic/analytical/physical) laboratory to satisfy the ACS requirements.

3. Discussion of proposed course:

3.1 Course objectives:

Chemistry is a laboratory science. Laboratory courses are essential for students to begin to integrate and reinforce concepts presented in lecture. Students will synthesize and characterize a variety of compounds as examples of the fundamental types of bonding in inorganic chemistry: molecular, ionic, polymeric, coordination and metallic. This will allow students to make connections between the theories of bonding and electronic structure presented in lecture and the chemical and physical properties exhibited by compounds.

3.2 Content outline:

- Synthesis and characterization of main group compounds including molecular and polymeric materials.
- Synthesis and characterization of transition metal compounds including alloys and coordination complexes
- Syntheses will make use of aqueous, nonaqueous, solid-state and inert atmosphere techniques.
- Characterization will employ IR, UV-vis and NMR instrumentation.

3.3 Student expectations and requirements:

Students will be given a variety of inorganic compounds to synthesize. Students will characterize their products by physical and instrumental methods and write up their results in formal lab reports. Course grades will be determined by the successful synthesis of the assigned compounds and the formal lab reports.

3.4 Tentative texts and course materials:

Microscale Inorganic Chemistry, Z. Szafram, R.M. Pike and M.M. Singh, John Wiley & Sons, 1st edition, 1991 (ISBN 0-471-61996-5)
Experimental Methods in Inorganic Chemistry, J. Tanaka and S.L. Suib, Prentice Hall, 1st edition, 1999 (ISBN 0-13-841909-4)
Inorganic Experiments, J.D. Woollins(editor), Wiley-VCH, 3rd edition, 2009 (ISBN 978-3-527-32472-9)

4. Resources:

4.1 Library resources: See attached library resource form and bibliography

4.2 Computer resources: No new additional resources are required.

5. Budget implications:

5.1 Proposed method of staffing: Existing faculty will teach the course.

5.2 Special equipment needed: Already in place from CHEM 476.

5.3 Expendable materials needed: Already in place from CHEM 476.

5.4 Laboratory materials needed: Already in place from CHEM 476.

6. Proposed term for implementation: Spring 2014

7. Dates of prior committee approvals:

Chemistry Department/Division: 2/13/13

Ogden Curriculum Committee _____

Professional Education Council (if applicable) _____

General Education Committee (if applicable) _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One **Create New Course**
 Temporary Course Offering

1. Has this course previously been offered on a temporary basis? Yes No If yes, indicate the term offered

2. Subject Area Course Number Course Title (as it should appear on the transcript; maximum of 30 letters & spaces)

3. Term for Implementation (e.g., Spring 2012=201210, Fall 2012=201230)

4. Official Course Title

5. Offering Unit (See Table of Code Values.) College Department

6. Credit Hours Fixed Credit Hours: Variable Credit Hours

7. Repeat Limit (See instructions.) Total Maximum Hours (See instructions.)

8. Grading (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (Course is intended to span more than one term.)

9. Schedule Type (See Table of Schedule Types.)

10. Corequisites (courses required to be taken concurrently with this course)

Subject Area	Course Number	Subject Area	Course Number	Subject Area	Course Number
<input type="text" value="CHEM"/>	<input type="text" value="420"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

11. Equivalent Courses (Include Commonwealth School courses and other equivalent courses.)

Subject Area	Course Number	Subject Area	Course Number	Subject Area	Course Number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

12. Prerequisites (See instructions.)

Subject Area	Course Number	Subject Area	Course Number	Subject Area	Course Number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

13. Course Attribute Other Honors Course Developmental Course

14. Course Restrictions Include/ Exclude College College Major Major Classification

15. Course Description (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

16. Approvals: Department Head Cathleen J. Webb Date 2/13/13
 Temporary course: College Dean _____ Date _____
 Graduate Dean _____ Date _____
 Undergraduate Curriculum Committee _____ University Senate _____
 Graduate Council _____

Office of the Registrar Use

CIP

Banner Data _____

Course Description _____

Evaluate _____

Proposal Date: February 4, 2013

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

Contact Person: Greg Goodrich, gregory.goodrich@wku.edu, 5-5986

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: GEOG 103
- 1.2 Course title: Our Dynamic Planet
- 1.3 Abbreviated course title: Our Dynamic Planet
- 1.4 Credit hours and contact hours: 3
- 1.5 Type of course: L – Lecture
- 1.6 Prerequisites/corequisites: None
- 1.7 Course catalog listing: Introduction to the spatial dimension of Earth's dynamic systems and how they affect people. These include the atmosphere, hydrosphere, and lithosphere. Equivalent to GEOL 103.

2. Rationale:

- 2.1 Reason for developing the proposed course: GEOG 103 – *Our Dynamic Planet* represents a merging of two separate courses, GEOG 100 – *Introduction to the Physical Environment* and GEOL 102 – *Introduction to Geology*. The new course, which will be equivalent to GEOL 103 – *Our Dynamic Planet*, provides a more efficient and streamlined presentation of the introductory concepts relating to the various aspects of Earth Science. While GEOG 100 and GEOL 102 had some overlap, there were enough differences in the two curricula to make GEOG/GEOL 103 a better introductory course. *Our Dynamic Planet* will be a required course for many of the majors within the Department of Geography and Geology and will also be submitted as an Essentials part of the new Colonnade Program.
- 2.2 Projected enrollment in the proposed course: 750 per year, based on the recent history of the combined enrollments of GEOG 100 and GEOL 102.
- 2.3 Relationship of the proposed course to courses now offered by the department: GEOG 103 – *Our Dynamic Planet* will replace GEOG 100 - *Introduction to the Physical Environment* and GEOL 102 – *Introduction to Geology*, both of which will be deleted.
- 2.4 Relationship of the proposed course to courses offered in other departments: No other department at WKU offers an introductory Earth Science course.
- 2.5 Relationship of the proposed course to courses offered in other institutions: All institutions that offer degree programs in any of the Earth Sciences offer an introductory course similar to GEOG 103 – *Our Dynamic Planet*.

3. Discussion of proposed course:

3.1 Course objectives: Students in GEOG 103 – Our Dynamic Planet will understand the spatial dimension of Earth’s dynamic systems with a special emphasis on how their many interrelationships affect humans and their environment. These systems include air, water, weather, climate, tectonics, landforms, and ecosystems.

3.2 Content outline:

Section one: Earth

- Introduction to Earth Science
- Rocks and minerals
- Plate tectonics, volcanoes, and earthquakes
- Mountain building and Earth’s history

Section two: Atmosphere

- Solar energy and the seasons
- Atmosphere and energy balance
- Atmospheric and oceanic circulations
- Atmospheric moisture and weather

Section three: Earth-Atmosphere Interactions

- Weathering and mass movement
- Karst processes and landforms
- River systems and landforms
- Eolian processes and desert landforms
- Coastal processes and landforms
- Glacial processes and landforms

The order and exact nature of the content covered may vary by textbook and instructor preference. Other topics that may be covered include astronomy, climate, soils, and ecosystems.

3.3 Student expectations and requirements: Grades will consist of mid-term exams and a final exam based on textbook readings and class discussions, homework assignments and in-class projects, and quizzes.

3.4 Tentative texts and course materials:

Tarbuck, E. J., Lutgens, F. K., and Tasa, D., 2012: *Earth Science*, 13th ed., Prentice Hall, 768 pp.

Christopherson, R. W., 2011: *Geosystems*, 8th ed., Prentice Hall, 688 pp.

Peterson, J. F., Sack, D., and Gabler, R. E., 2011: *Physical Geography*, 10th ed., Brooks Cole, 672 pp.

4. Resources:

4.1 Library resources: See attached library resource form and bibliography.

4.2 Computer resources: No new computer resources will be needed.

5. Budget implications:

5.1 Proposed method of staffing: Course will be staffed by existing instructors of GEOG 100 and GEOL 102.

5.2 Special equipment needed: None

5.3 Expendable materials needed: None

5.4 Laboratory materials needed: None

6. Proposed term for implementation: Fall 2014

7. Dates of prior committee approvals:

Department of Geography and Geology: 2/22/2013

Ogden Curriculum Committee _____

General Education Committee (if applicable) _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One [X] Create New Course [] Temporary Course Offering

1. Has this course previously been offered on a temporary basis? [] Yes [X] No If yes, indicate the term offered []

2. Subject Area [GEOG] Course Number [103] Course Title (as it should appear on the transcript; maximum of 30 letters & spaces) [OUR DYNAMIC PLANET]

3. Term for Implementation (e.g., Spring 2012=201210, Fall 2012=201230) [201430]

4. Official Course Title [OUR DYNAMIC PLANET]

5. Offering Unit (See Table of Code Values.) College [SC] Department [GEO]

6. Credit Hours Fixed Credit Hours: [3.00] Variable Credit Hours [] [] []

7. Repeat Limit (See instructions.) [0] Total Maximum Hours (See instructions.) [3.00]

8. Grading (Check all that apply.) [X] Standard Letter Grading [] Pass/Fail Only [] No Grade [] In Progress - IP (Course is intended to span more than one term.)

9. Schedule Type (See Table of Schedule Types.) [] [] []

10. Corequisites (courses required to be taken concurrently with this course) Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. Equivalent Courses (Include South Campus [C suffix] courses and other equivalent courses.) Subject Area Course Number Subject Area Course Number Subject Area Course Number

12. Prerequisites (See instructions.) Subject Area Course Number Subject Area Course Number Subject Area Course Number

13. Course Attribute [] Other [] [] Honors Course [] Developmental Course

14. Course Restrictions [] Include/[] Exclude College [] College [] Major [] Major [] Classification []

15. Course Description (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.) [Introduction to the spatial dimension of Earth's dynamic systems and how they affect people. These include the atmosphere, hydrosphere, and lithosphere. Equivalent to GEOL 103.]

16. Approvals for Temporary Course Only: Department Head _____ Date _____ College Dean _____ Date _____ Graduate Dean _____ Date _____ Provost Office _____ Date _____

Proposal Date: January 24, 2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Create an Equivalent Course
(Consent Item)**

Contact Person: Greg Goodrich, gregory.goodrich@wku.edu, 5-5986

- 1. Identification of existing course:**
 - 1.1 Current course prefix (subject area) and number: GEOL 103
 - 1.2 Course title: Our Dynamic Planet
 - 1.3 Credit hours: 3

- 2. Identification of proposed equivalent course prefix(es) and numbers**
GEOG 103

- 3. Rationale for each equivalent course:** The course equivalency allows faculty from both the Geography and Geology departments to teach this introductory course that examines the spatial dimensions of Earth's dynamic systems.

- 4. Proposed term for implementation:** Fall 2014

- 5. Dates of prior committee approvals:**

Department of Geography and Geology:	_____2/22/2013_____
Ogden Curriculum Committee	_____
General Education Committee (if applicable)	_____
Undergraduate Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One [X] Create New Course [] Temporary Course Offering

1. Has this course previously been offered on a temporary basis? [] Yes [X] No If yes, indicate the term offered []

2. Subject Area [GEOL] Course Number [103] Course Title (as it should appear on the transcript; maximum of 30 letters & spaces) [OUR DYNAMIC PLANET]

3. Term for Implementation (e.g., Spring 2012=201210, Fall 2012=201230) [201430]

4. Official Course Title [OUR DYNAMIC PLANET]

5. Offering Unit (See Table of Code Values.) College [SC] Department [GEO]

6. Credit Hours Fixed Credit Hours: [3.00] Variable Credit Hours [] [] []

7. Repeat Limit (See instructions.) [0] Total Maximum Hours (See instructions.) [3.00]

8. Grading (Check all that apply.) [X] Standard Letter Grading [] Pass/Fail Only [] No Grade [] In Progress - IP (Course is intended to span more than one term.)

9. Schedule Type (See Table of Schedule Types.) [] [] []

10. Corequisites (courses required to be taken concurrently with this course) Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. Equivalent Courses (Include South Campus [C suffix] courses and other equivalent courses.) Subject Area Course Number Subject Area Course Number Subject Area Course Number

12. Prerequisites (See instructions.) Subject Area Course Number Subject Area Course Number Subject Area Course Number

13. Course Attribute [] Other [] [] Honors Course [] Developmental Course

14. Course Restrictions [] Include/[] Exclude College [] College [] Major [] Major [] Classification []

15. Course Description (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.) Introduction to the spatial dimension of Earth's dynamic systems and how they affect people. These include the atmosphere, hydrosphere, and lithosphere. Equivalent to GEOG 103.

16. Approvals for Temporary Course Only: Department Head, College Dean, Graduate Dean, Provost Office with corresponding Date lines.

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

Contact Person: Kevin Cary, kevin.cary@wku.edu, 5-2981

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 391
- 1.2 Course title: Data Analysis and Interpretation
- 1.3 Credit hours: 3

2. Revise course title:

- 2.1 Current course title: Data Analysis and Interpretation
- 2.2 Proposed course title: Spatial Data Analysis and Interpretation
- 2.3 Proposed abbreviated title: Spatial Data Analysis
- 2.4 Rationale for revision of course title: The proposed course title more accurately reflects the course content and distinguishes this data analysis course from other statistics courses offered at WKU. No other statistics course at WKU addresses the spatial element.

3. Revise course prerequisites:

- 3.1 Current prerequisites: GEOG 100 or GEOL 102, GEOG 110, MATH 116 or higher, and MATH 183
- 3.2 Proposed prerequisites: MATH 183 and GEOG 316
- 3.3 Rationale for revision of course prerequisites: GEOG 316 Fundamentals of GIS is added to provide a spatial foundation for statistical analysis. The introductory courses are prerequisites for GEOG 316 and are thus deleted. MATH 183 provides the appropriate mathematical foundation for this course.

4. Revise course catalog listing:

- 4.1 Current course catalog listing: Basic concept of statistical models and use of samples: variation, statistical measures, distribution, tests of significance, analysis of variance and elementary experimental design, regression, correlation, and chi-square as related to interpretation and use of scientific data.
- 4.2 Proposed course catalog listing: Statistical concepts and methods emphasizing their applications in a spatial context. Statistical description and hypothesis testing. Visualization and analysis of spatial patterns and relationships.
- 4.3 Rationale for revision of course catalog listing: More accurately reflects the structure and goals of the course.

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

6. Proposed term for implementation: Fall 2013

7. Dates of prior committee approvals:

Geography and Geology Department 2/22/2013

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course** Existing Subject Area GEOG
Existing Course Number 391
Existing Course Title DATA ANALYSIS AND INTERPRETATI

2. **Identification of Proposed Course** Proposed Subject Area GEOG
Proposed Course Number 391
Proposed Official Course Title SPATIAL DATA ANALYSIS AND INTERPRETATION
Proposed Abbreviated Title SPATIAL DATA ANALYSIS

3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230) 201330

4. **Offering Unit** (See Table of Code Values.) College SC Department GEO

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours

6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)

7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)

8. **Schedule Type** (See Table of Schedule Types.)

9. **Corequisites** (courses required to be taken **concurrently** with this course)
Subject Area Course Number Subject Area Course Number Subject Area Course Number

10. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. **Prerequisites** (See instructions.)
Subject Area Course Number Subject Area Course Number Subject Area Course Number
MTH 183 AND GEO 316
 Other

12. **Course Attribute** Honors Course Developmental Course

13. **Course Restrictions** Include/ Exclude College College Major Major Classification

14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)
Statistical concepts and methods emphasizing their applications in a spatial context. Statistical description and hypothesis testing. Visualization analysis of spatial patterns and relationships.

Proposal Date: 2/15/2013

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

Contact Person: David Keeling, david.keeling@wku.edu, 5-4555

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: GEOG 484
- 1.2 Course title: Planning: Theory and Application
- 1.3 Credit hours: 3

2. Revise course title:

- 2.1 Current course title: Planning: Theory and Application
- 2.2 Proposed course title: Planning for Global Change
- 2.3 Proposed abbreviated title: Planning for Global Change
- 2.4 Rationale for revision of course title: The proposed course title more accurately reflects the course content.

3. Revise course number:

- 3.1 Current course number: GEOG 484
- 3.2 Proposed course number: GEOG 384
- 3.3 Rationale for revision of course number: The Department is realigning many 400-level courses to 300-level status to reflect the absence of, or change in, prerequisites and to prepare for possible General Education reclassification.

4. Revise course prerequisites:

- 4.1 Current prerequisites: GEOG 240 and GEOG 317
- 4.2 Proposed prerequisites: GEOG 280 and GEOG 316
- 4.3 Rationale for revision of course prerequisites: This revised course is scheduled to become an elective in the revised Environmental Planning and Resource Management option in the Geography major; therefore, GEOG 280 is a more appropriate prerequisite, especially as GEOG 280 is also being revised. GEOG 316 is the foundational course in Geographic Information Science and is a more appropriate preparation course for GEOG 384.
- 4.4 Effect on completion of major/minor sequence: None

5. Revise course description:

- 5.1 Current course description: An analysis of advanced topics and results of recent research in city and regional planning.
- 5.2 Proposed course description: An analysis of advanced topics and results of global change on planning for cities, regions, and communities.

6. Proposed term for implementation: Fall 2013

7. Dates of prior committee approvals:

Geography and Geology Department

_____2/22/2013_____

Ogden College Curriculum Committee

Undergraduate Curriculum Committee

University Senate

Attachment: Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Course Revisions

**Note: If course revision affects subject area, course number, or course title, complete both #1 and #2, and any other proposed changes.
If course revision does not affect subject area, course number, or course title, complete #1, and any proposed changes ONLY.**

1. **Identification of Existing Course** Existing Subject Area GEOG
Existing Course Number 484
Existing Course Title PLANNING: THEORY APPLICATION
2. **Identification of Proposed Course** Proposed Subject Area GEOG
Proposed Course Number 384
Proposed Official Course Title PLANNING FOR GLOBAL CHANGE
Proposed Abbreviated Title Planning for Global Change
3. **First effective term for course revision** (e.g. Spring 2012=201210, Fall 2012=201230) 201330
4. **Offering Unit** (See Table of Code Values.) College SC Department GEO

Course Revisions: Check box at left and complete only those items that are being changed. Leave other items blank.

5. **Credit Hours** Fixed Credit Hours: Variable Credit Hours
6. **Repeat Limit** (See instructions.) **Total Maximum Hours** (See instructions.)
7. **Grading** (Check all that apply.) Standard Letter Grading Pass/Fail Only No Grade
 In Progress – IP (course is intended to span more than one term)
8. **Schedule Type** (See Table of Schedule Types.)
9. **Corequisites** (courses required to be taken **concurrently** with this course)
Subject Area Course Number Subject Area Course Number Subject Area Course Number
10. **Equivalent Courses** (Include South Campus [C suffix] courses and other equivalent courses.)
Subject Area Course Number Subject Area Course Number Subject Area Course Number
11. **Prerequisites** (See instructions.)
Subject Area Course Number Subject Area Course Number Subject Area Course Number
GEOG 280 AND GEOG 316
 Other
12. **Course Attribute** Honors Course Developmental Course
13. **Course Restrictions** Include/ Exclude College College Major Major Classification
14. **Course Description** (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.)

Office of the Registrar Use			
UCC _____	University Senate _____	CIP _____	Course Desc _____
Graduate Council _____	Provost _____	Banner Data _____	Evaluate _____

Proposal Date: February 8, 2013

**Ogden College of Science and Engineering
Department of Geography and Geology
Proposal to Revise a Program
(Action Item)**

Contact Person: David Keeling (david.keeling@wku.edu) 745-4555

1. Identification of program:

- 1.1 Current program reference number: 353
- 1.2 Current program title: Minor in Earth Science
- 1.3 Credit hours: 21

2. Identification of the proposed program changes:

- Revise the program structure to correct imbalance between lower- and upper-division hours.
- Add additional electives and move ASTR 214 from required to electives.

3. Detailed program description:

<p><i>Requirements:</i> The minor in earth science (reference number 353) is for prospective earth science teachers and requires a minimum of 21 semester hours.</p> <p>Required courses are: GEOL 111, 112, 113, 114, GEOG 121, and ASTR 214.</p> <p>Courses to total seven additional hours must be selected from: GEOL 308, 330, 370, 405, 420, and GEOG 328 and 420.</p> <p>A minor in earth science must be taken in conjunction with a major or minor in another science or in mathematics.</p>	<p><i>Requirements:</i> The Minor in Earth Science (reference number 353) is designed for geology or physical geography majors, earth science teachers, and for anyone interested in understanding basic earth systems. The Minor requires a minimum of 23 semester hours, with at least 50% of the hours earned at the 300-400 level.</p> <p>Required Courses (11 hours):</p> <table><tr><td>GEOL 111 The Earth</td><td style="text-align: right;">3</td></tr><tr><td>GEOL 113 The Earth Laboratory</td><td style="text-align: right;">1</td></tr><tr><td>GEOL 112 Earth History</td><td style="text-align: right;">3</td></tr><tr><td>GEOL 114 Earth History Laboratory</td><td style="text-align: right;">1</td></tr><tr><td>GEOG 121 Introduction to Meteorology</td><td style="text-align: right;">3</td></tr></table> <p>Elective Courses (12 hours): Select from the following options:</p> <table><tr><td>ASTR 104 Astronomy of Solar System</td><td style="text-align: right;">3</td></tr><tr><td>ASTR 214 General Astronomy</td><td style="text-align: right;">4</td></tr><tr><td>GEOL 308 Structural Geology</td><td style="text-align: right;">4</td></tr><tr><td>GEOL 311 General Oceanography</td><td style="text-align: right;">3</td></tr><tr><td>GEOL 325 Intro to Minerals & Rocks</td><td style="text-align: right;">3</td></tr><tr><td>GEOL 405 Paleontology</td><td style="text-align: right;">4</td></tr><tr><td>GEOL/G 420 Geomorphology</td><td style="text-align: right;">4</td></tr><tr><td>GEOL 460 Sediment and Stratigraphy</td><td style="text-align: right;">3</td></tr></table>	GEOL 111 The Earth	3	GEOL 113 The Earth Laboratory	1	GEOL 112 Earth History	3	GEOL 114 Earth History Laboratory	1	GEOG 121 Introduction to Meteorology	3	ASTR 104 Astronomy of Solar System	3	ASTR 214 General Astronomy	4	GEOL 308 Structural Geology	4	GEOL 311 General Oceanography	3	GEOL 325 Intro to Minerals & Rocks	3	GEOL 405 Paleontology	4	GEOL/G 420 Geomorphology	4	GEOL 460 Sediment and Stratigraphy	3
GEOL 111 The Earth	3																										
GEOL 113 The Earth Laboratory	1																										
GEOL 112 Earth History	3																										
GEOL 114 Earth History Laboratory	1																										
GEOG 121 Introduction to Meteorology	3																										
ASTR 104 Astronomy of Solar System	3																										
ASTR 214 General Astronomy	4																										
GEOL 308 Structural Geology	4																										
GEOL 311 General Oceanography	3																										
GEOL 325 Intro to Minerals & Rocks	3																										
GEOL 405 Paleontology	4																										
GEOL/G 420 Geomorphology	4																										
GEOL 460 Sediment and Stratigraphy	3																										

4. Rationale for the proposed program change:

- The existing program only requires 7 hours of upper-division coursework, which violates the 50% rule for the distribution of hours. The proposed program corrects this problem.
- ASTR 214 requires MATH 136 as a prerequisite, so it is moved to the electives, as many students studying earth science do not go beyond MATH 116 and 117.
- ASTR 104, GEOL 311, 325, and 460 are added as approved electives.
- GEOL 330 and 370 are removed from the list of approved electives as 330 is not suitable and 370 no longer exists.

5. Proposed term for implementation and special provisions (if applicable): Fall 2013**6. Dates of prior committee approvals:**

Department of Geography and Geology: _____ 2/22/2013 _____

Ogden College Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Program Inventory Form

Proposal Date: February 18, 2013

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

Contact Person: Scott Bonham, 270-745-6196, scott.bonham@wku.edu

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: PHYS 215
- 1.2 Course title: Seminar for Physics Learning Assistants
- 1.3 Abbreviated course title: Seminar Physics Learning Assts
- 1.4 Credit hours: 1 h
- 1.5 Schedule type: S-seminar
- 1.6 Prerequisites/corequisites: Acceptance to serve as a learning assistant in an interactive physics course or permission of instructor.
- 1.7 Course description: Introduces students to basic theory and practical skills for assisting instructors as learning assistants in active-engagement physics courses.

2. Rationale:

- 2.1 Reason for developing the proposed course: This course will provide a basic pedagogical foundation for undergraduate students working as learning assistants in active-learning physics courses and help improve their instructional skills in a student-centered learning environment. The revision of the Physics 256 laboratories, in particular, has created the need for systematically preparing multiple students to effectively assist in this type of instruction.
- 2.2 Projected enrollment in the proposed course: 5-10 based on need for assistants in corresponding courses.
- 2.3 Relationship of the proposed course to courses now offered by the department: This course will provide an important support role for the Physics 256 and other active-learning courses in training assistant instructors.
- 2.4 Relationship of the proposed course to courses offered in other departments: SMED 101 is also an introduction to teaching science (and math), but it is specifically designed for students with interest in becoming middle or secondary math or science teachers and prepares students to develop and teach lessons in an elementary school. In contrast, Physics 215 is targeted towards students who will be working as learning assistants in introductory physics courses at the university level, developing their ability to effectively work with students to develop their physics skills. It will also include much greater focus on physics-specific issues.
- 2.5 Relationship of the proposed course to courses offered in other institutions: This course is modeled after a course developed at the University of Colorado for providing learning assistants with background and skills to assist faculty in active learning courses.

3. Discussion of proposed course:

3.1 Course objectives:

- Develop questioning techniques to be able to probe and deepen student understanding in the classroom more effectively.
- Be able to apply basic concepts from current physics education theory to understanding sources of student challenges and applying effective pedagogical strategies.
- Read and discuss primary literature in science education research.
- Reflect on and grow in teaching abilities.

3.2 Content outline:

- Five principles of effective physics instruction
- Discussion techniques-univocal/dialogic discourse
- Cognitive studies and teaching physics
- Classroom discourse and Bloom's Taxonomy
- Student conceptions in physics and formative assessment
- Resource perspectives in physics
- Cooperative learning
- Problem solving strategies
- Epistemology and metacognition
- Nature of science
- Qualities of an effective teacher

3.3 Student expectations and requirements: Students in the course will be working as learning assistants in an introductory physics classroom. They will be assigned readings each week and attend a weekly seminar that will discuss them and/or engage in an activity related to the topic. They will seek to apply what they have learned to their work in the classroom and complete a short written reflection each week about their growth as instructors. Students will be evaluated based on their participation at the seminar, their weekly reflection log, and observation(s) of their work as classroom (assistant) instructors.

3.4 Tentative texts and course materials:

R. Knight, *Five Easy Lessons: Strategies for Successful Physics Teaching*, (Addison Wesley, San Francisco, 2004)
Readings from the American Journal of Physics and other science education journals/magazines.

4. Resources:

4.1 Library resources: Adequate; see Library Resources Form.

4.2 Computer resources: This course will utilize Blackboard; current configuration is sufficient.

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 2013

7. Dates of prior committee approvals:

Department of Physics and Astronomy: 2/20/2013

Ogden Curriculum Committee _____

Undergraduate Curriculum Committee _____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Office of the Registrar

COURSE INVENTORY FORM

Check One [X] Create New Course [] Temporary Course Offering

1. Has this course previously been offered on a temporary basis? [X] Yes [] No If yes, indicate the term offered 201230

2. Subject Area: PHYS Course Number: 215 Course Title: SEMINAR PHYSICS LEARNING ASSTS

3. Term for Implementation (e.g., Spring 2012=201210, Fall 2012=201230) 201330

4. Official Course Title SEMINAR FOR PHYSICS LEARNING ASSISTANTS

5. Offering Unit (See Table of Code Values.) College SC Department PHYA

6. Credit Hours Fixed Credit Hours: 1.00 Variable Credit Hours [] [] []

7. Repeat Limit (See instructions.) 0 Total Maximum Hours (See instructions.) 1.00

8. Grading (Check all that apply.) [X] Standard Letter Grading [] Pass/Fail Only [] No Grade [] In Progress - IP

9. Schedule Type (See Table of Schedule Types.) S [] []

10. Corequisites (courses required to be taken concurrently with this course) Subject Area Course Number Subject Area Course Number Subject Area Course Number

11. Equivalent Courses (Include South Campus [C suffix] courses and other equivalent courses.) Subject Area Course Number Subject Area Course Number Subject Area Course Number

12. Prerequisites (See instructions.) Subject Area Course Number Subject Area Course Number Subject Area Course Number

13. Course Attribute [] Other [] [] Honors Course [] Developmental Course

14. Course Restrictions [] Include/[] Exclude College [] College [] Major [] Major [] Classification []

15. Course Description (Indicate exactly as it should appear in the University Catalog. Include pertinent special information, e.g., course fees, pass/fail grading, field trips, transportation requirements, etc.) Introduces students to basic theory and practical skills for assisting instructors as Learning Assistants in active engagement physics courses.

16. Approvals for Temporary Course Only: Department Head, College Dean, Graduate Dean, Provost Office with corresponding Date lines.