Western Kentucky University
MEMORANDUM

TO: University Senate
FR: University Curriculum Committee
DT: February, 29, 2008
RE: Consent Agenda Items from February 28, 2008

The University Curriculum Committee presents the following actions and motions from our January 24, 2008 meeting for approval by the University Senate.

INFORMATION ITEM REPORT TO THE UNIVERSITY SENATE

1. Change Course Prefix: SPCH 145C Fundamentals of Speech, SPCH 161C Business & Professional Speaking
2. One time offering: DSPA 099 Bridge to Spanish 102
3. One-Time-Only Course Offering: CD 403: Heritage & Culture of the Deaf
4. One-Time-Only Course Offering: CD 496: Speech Services in Europe
5. One-Time-Only Course Offering: DH 360: International Community Health & Service Learning
6. Proposal to Revise Course Title: CD 490: Non-symbolic Language Intervention
7. Proposal to Revise Course Title: PE 211: Lifetime Sports - Individual
8. Proposal to Revise Course Title: PE 212: Lifetime Sports - Team
9. One-Time Offering: IECE 294, Assessment of Young Children
10. One-Time Offering: IECE 295, Creating Learning Environments
11. Revise Course Prerequisites: MGE 490, Student Teaching
12. Revise Course Title: ANTH/FLK 277 Introduction to World Folk Music
13. Revise Course Title: DANC 110 Fundamentals of Dance
14. Revise Prerequisites: ENG 492 Senior Seminar
15. Cross-List Course: ANTH/FLK 277 & MUS 277 Introduction to World Music
16. Revise Course Prerequisites/Co-requisites:: MATH 116 (116E), College Algebra
17. Revise Course Title: CE 382, Structural Analysis
18. Revise Course Title: CE 482, Elementary Structural Design

CONSENT AGENDA REPORT TO THE UNIVERSITY SENATE

COLLEGE OF HEALTH AND HUMAN SERVICES (P. 15)

1. Proposal to Revise Course Credit Hours: CD 495: Clinical Internship

COLLEGE OF EDUCATION AND BEHAVIORAL SCIENCES (P. 16)

1. Create a New Course: EXED 200, The Culture of Disability

POTTER COLLEGE OF ARTS & LETTERS (P. 19)

1. Make Multiple Revisions to a Course: ENG 309 Writing for Documentary
2. Make Multiple Revisions to a Course: ENG 493 Major American Poets
3. Create Course: ANTH 449 Ethnographic Video Production
4. Create Course: SOCL 446 Gender, Crime and Justice
5. Revise Program: 662W English: Writing Concentration

OGDEN COLLEGE OF SCIENCE AND ENGINEERING (P. 31)

1. Multiple Revisions to a Course: BIOL 400, Plant Physiology
2. New Course Proposal: CE 310, Strength of Materials Laboratory
3. New Course Proposal: CE 341, UK-Fluid Thermal Science
4. New Course Proposal: CE 342, WKU-Fluid Thermal Science
5. New Course Proposal: CE 373, UK-Structural Analysis
6. New Course Proposal: CE 483, UK-Elementary Structural Design
7. New Course Proposal: AGRO 111, Plant Science Laboratory
8. New Course Proposal: GEOL 432, Crystallography
9. Revise a Program: Engineering – Civil, Reference #534
10. Revise a Program: Advanced Manufacturing
11. Revise a Program: Construction Management, Reference #533
12. Revise a Program: Construction Management Minor, Ref. #343

Proposal date: 1/28/08

Bowling Green Community College
Proposal to Change Course Prefix (Subject Area)
(Information Item)

TO: University Curriculum Committee

FROM: Sponsoring Unit: BGCC
Department: Liberal Arts & Sciences
Contact Person's Name: Clint Haynes
Contact Person's Email: clint.haynes@wku.edu
Contact Person's Phone: 780-2529

CHANGE: Current Course Prefix: SPCH
Proposed Course Prefix: COMM

COURSE NUMBERS TO BE INCLUDED UNDER THE NEW COURSE PREFIX (SUBJECT AREA): 145, 161

RATIONALE: The Department of Communication changed the prefixes from "SCOM" to "COMM." We'd like to keep our prefix similar to theirs.

DATE OF IMPLEMENTATION: Fall 2008

Dates of prior committee approvals:

Liberal Arts & Science Division	2/8/2008
BGCC Curriculum Committee	2/18/2008
University Curriculum Committee	__2/28/08_____
University Senate	_____

Proposal Date: October 1, 2007

College of Health and Human Services
Department of Communication Disorders
Proposal to Revise Course Title
(Consent Item)

Contact Person: Lauren Bland, lauren.bland@wku.edu, 5-8860

1. **Identification of course**:
   - 1.1 **Current course prefix (subject area) and number**: CD 490
   - 1.2 **Current course title**: Non-symbolic Language Intervention
   - 1.3 **Credit hours**: 3

2. **Proposed course title**: Non-symbolic Communication Service Delivery

3. **Proposed abbreviated course title**: Non-symbolic Communication

4. **Rationale for the revision of course title**: Current title is an oxymoron. Language is symbolic therefore it cannot be non-symbolic. Further, the focus of the course is not simply intervention but targets assessment, therapy, referrals, and other needs.

5. **Effective Catalog Year**: Fall 2008

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

   Communication Disorders Department: 10/19/07

   CHHS Undergraduate Curriculum Committee 11/27/07

   Professional Education Council 2/13/2008

   University Curriculum Committee
   2/28/08

   University Senate _____

Attachment: Course Inventory Form

Proposal Date: 1/28/08

College of Health and Human Services
Department of Physical Education & Recreation
Proposal to Revise Course Title
(Consent Item)

Contact Person: Dr. Sharon Whitlock, sharon.whitlock@wku.edu, 745-5026

1. **Identification of course**:
   - 1.1 Current course prefix (subject area) and number: PE 211
   - 1.2 Current course title: Lifetime Sports - Individual
   - 1.3 Credit hours: 2

2. **Proposed course title**: Net/Wall and Target Sports

3. **Proposed abbreviated course title**: Net/Wall and Target Sports

4. **Rationale for the revision of course title**: Name change to more align with the course description.

5. **Effective Catalog Year**: Fall 2008

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

Physical Education & Recreation Department:	1/29/2008
CHHS Undergrad Curriculum Committee	2/12/2008
University Curriculum Committee	2/28/08
University Senate	

Attachment: Course Inventory Form

Proposal Date: 1/28/08

College of Health and Human Services
Department of Physical Education & Recreation
Proposal to Revise Course Title
(Consent Item)

Contact Person: Dr. Sharon Whitlock, sharon.whitlock@wku.edu, 745-5026

1. **Identification of course**:
   - 1.1 Current course prefix (subject area) and number: PE 212
   - 1.2 Current course title: Lifetime Sports - Team
   - 1.3 Credit hours: 2

2. **Proposed course title**: Striking/Fielding and Invasion Sports

3. **Proposed abbreviated course title**: Striking and Invasion Sports

4. **Rationale for the revision of course title**: Name change to more align with the course description.

5. **Effective Catalog Year:** Fall 2008

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

Physical Education & Recreation Department:	1/29/2008
CHHS Undergrad Curriculum Committee	2/12/2008
University Curriculum Committee	2/28/08
University Senate	

Attachment: Course Inventory Form

Proposal Date: 01/22/2008

College of Education and Behavioral Sciences
Department of Curriculum and Instruction
Proposal to Revise Course Prerequisites
(Consent Item)

Contact Person: Dr. Tabitha Daniel, tabitha.daniel@wku.edu, 5-2615

1. Identification of course:

1.1 Course prefix (subject area) and number: MGE 490
1.2 Course title: Student Teaching
1.3 Credit hours: 10

2. Current prerequisites/co requisites:
Prerequisites: Admission to Teacher Education, overall GPA of 2.5 or higher; and completion of the following courses with grades of "C" or higher: MGE 275, EXED 330, MGE methods course(s), LTCY 421 or 444, PSY 421 or 422 and PSY 310.
Co requisite: EDU 489

3. Proposed prerequisites/co requisites:
Prerequisites: Admission to Teacher Education; overall GPA of 2.5 or higher; and completion of all professional education courses and required courses in the major with grades of "C" or higher.
Co requisite: EDU 489

4. Rationale for the revision of prerequisites/co requisites: The proposed change is to impose an additional requirement that students must earn at least a "C" in all content courses (as well as in the professional education courses, which is presently required). The faculty believes that students approved for student teaching should have mastered each content course at a minimum "C" level. The proposed change, if approved, will also make the prerequisites for the 10-hour MGE 490 consistent with those for the 5-hour MGE 490.

5. Effect on completion of major/minor sequence: Some students may have to repeat content courses in which they have earned a "D."

6. Effective Catalog Year: Fall 08. The requirement of at least a "C" in content courses will apply to all content courses completed beginning in Summer 08.

7. Dates of prior committee approvals:

Department of Curriculum & Instruction	1-28-08
CEBS Curriculum Committee	2-05-08
Professional Education Council	2-13-08
University Curriculum Committee	2/28/08
University Senate	

Attachment: Course Inventory Form

Proposal Date: February 4, 2008

Potter College of Arts and Letters
Department of Folk Studies and Anthropology
Proposal to Revise Course Title
(Consent Item)

Contact Person: Michael Ann Williams, michael.williams@wku.edu, 5-5898

1. Identification of course:

1.1 Current course prefix (subject area) and number: ANTH/FLK 277
1.2 Current course title: Introduction to World Folk Music
1.3 Credit hours: 3

2. Proposed course title: Introduction to World Music

3. Proposed abbreviated course title: Intro World Music

4. Rationale for the revision of course title: The shortened title better reflects the broad scope of the course and its orientation to the cross cultural study of music.

5. Effective Catalog Year: Summer 2008

6. Dates of prior committee approvals:

Folk Studies and Anthroplogy Department: 2/4/2008

Potter College Curriculum Committee 2/7/2008

University Curriculum Committee 2/28/08

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 02/07/08

Potter College of Arts and Letters
Department of Theatre and Dance
Proposal to Revise Course Title
(Consent Item)

Contact Person: Amanda Clark 745-2956 Amanda.clark@wku.edu

1. Identification of course:

1.1 **Current course prefix (subject area) and number:** DANC 110
1.2 **Current course title:** Fundamentals of Dance
1.3 **Credit hours:** 3

2. Proposed course title: Dance Appreciation

3. Proposed abbreviated course title: Dance Appreciation

4. Rationale for the revision of course title:
The proposed course title better identifies the content of this course. Also, DANC 110 is the dance equivalent to THEA 151: Theatre Appreciation and the revision of course title will allow for a clear alignment of courses with the Department of Theatre Dance.

5. Effective Catalog Year: Fall 2008

6. Dates of prior committee approvals:

Theatre & Dance Department 02/07/08

Potter College Curriculum Committee 02/07/08

University Curriculum Committee ___2/28/08_____

University Senate _____

Attachment: Course Inventory Form

Proposal Date:

Potter College of Arts and Letters
Department of English
Proposal to Revise Course Prerequisites
(Consent Item)

Contact Person: Ted Hovet, Ted.Hovet@wku.edu, x 55782

1. Identification of course:

1.1 Course prefix (subject area) and number: ENG 492
1.2 Course title: Senior Seminar
1.3 Credit hours: 1

2. Current prerequisites: none

3. Proposed prerequisites/special requirements: ENG 299 Introduction to English Studies and senior standing

4. Rationale for the revision of prerequisites/special requirements: This change will assure that students take these required courses (ENG 299 and ENG 492) in the proper sequence.

5. Effect on completion of major/minor sequence: not applicable

6. Effective Catalog Year: Fall 2008

7. Dates of prior committee approvals:

English Department:	1/25/08
PCAL Curriculum Committee	2/7/08
Professional Education Council	2/13/08
University Curriculum Committee	___2/28/08_____
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: Feb. 4, 2008

Potter College of Arts and Letters
Department of Music
Department of Folk Studies and Anthropology
Proposal to Cross-List a Course
(Consent Item)

Contact Person: Michael Ann Williams, michael.williams@wku.edu, 5-5898
Mark Berry, mark.berry@wku.edu, 5-5894

1. Identification of existing course:

1.1 Current course prefix (subject area) and number: ANTH/FLK 277
1.2 Course title: Introduction to World Music
1.3 Credit hours: 3

2. Identification of proposed course prefix(es) and numbers MUS 277

3. Rationale for each cross-listing: The course spans interests and areas of expertise in both the Folk Studies and Anthropology and the Music departments. Cross-listing eliminates unnecessary duplication of course offerings within the college.

4. Effective Catalog Year: Summer 2008

5. Dates of prior committee approvals:

Music Department: _January 25, 2008___

Folk Studies and Anthropology Department: _February 4, 2008___

Potter College Curriculum Committee February 7, 2008

University Curriculum Committee ___2/28/08_____

University Senate _____

Attachment: Course Inventory Form

Proposal date: January 25, 2008

Ogden College of Science and Engineering
Department of Mathematics
Proposal to Revise Course Prerequisites/Co-requisites
(Consent Item)

Contact Person: Linda Pulsinelli (745-6232) linda.pulsinelli@wku.edu

1. Identification of course:
- 1.1 Course prefix: MATH 116 (116E)
- 1.2 Course title: College Algebra
- 1.3 Credit hours: 3

2. Current prerequisites/co-requisites/special requirements:

Prerequisites: High school Algebra I and II and a satisfactory score on Math Placement Exam; or DMA 096C with a grade of C or better. Student must enroll in MATH 116E if his/her DMA 096C grade was C, or previous MATH 116 grade was D, F or W, or Math ACT and MPE scores indicate need for enhanced version.

3. Proposed prerequisites/co-requisites/special requirements:
Prerequisites: High school Algebra I and II and a satisfactory score on Math Placement Exam; or DMA 096C with a grade of C or better. Student must enroll in MATH 116E if his/her DMA 096C grade was C, or previous MATH 116 grade was D, F or W, or Math ACT and MPE scores indicate need for enhanced version.
Co-requisite for MATH 116E: MATH 106, Academic Support for Math 116E
Special requirement: Students who withdraw from MATH 106 must also withdraw from MATH 116E.

4. Rationale for the revision of prerequisites/co-requisites:
The academic support portion of MATH 116E, which has always been incorporated into the enhanced version of College Algebra, is now being identified separately as Math 106. It continues to be an integral part of the enhancement structure and must, therefore, be a co-requisite for Math 116E.

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

6. Effective Catalog Year: Fall 2008

7. Dates of prior committee approvals:

Department of Mathematics	January 31, 2008
OCSE Curriculum Committee	February 7, 2008
Professional Education Council	February 13, 2008
General Education Committee	February 15, 2008
University Curriculum Committee	____2/28/08_____
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 12/07/2007

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

Contact Person: Shane Palmquist, shane.palmquist@wku.edu, 745-2919

1. Identification of course:

1.1 Current course prefix (subject area) and number: CE 382
1.2 Current course title: Structural Analysis
1.3 Credit hours: 3

2. Proposed course title:
WKU-Structural Analysis

3. Proposed abbreviated course title:
(max. of 30 characters including spaces)
WKU-Structural Analysis

4. Rationale for the revision of course title:

Students in the civil engineering program are required to obtain 16 credit hours in the major from University of Kentucky (UK) faculty members via ITV courses. For the new iCAP system used by the Office of the Registrar for verification of degree completion, each UK ITV course must have a unique course number so that the system can track the total number of ITV credits obtained.

5. Effective Catalog Year:

Fall 2008

6. Dates of prior committee approvals:

Engineering Department: _____12/07/2007____

Ogden College Curriculum Committee: _____2/07/2007_____

University Curriculum Committee: ____2/28/08_____

University Senate: _____

Attachment: Course Inventory Form

Proposal Date: 12/07/2007

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

Contact Person: Shane Palmquist, shane.palmquist@wku.edu, 745-2919

1. Identification of course:

1.1 Current course prefix (subject area) and number: CE 482
1.2 Current course title: Elementary Structural Design
1.3 Credit hours: 3

2. Proposed course title:
WKU-Elementary Structural Design

3. Proposed abbreviated course title:
(max. of 30 characters including spaces)
WKU-Elem. Structural Design

4. Rationale for the revision of course title:

Students in the civil engineering program are required to obtain 16 credit hours in the major from University of Kentucky (UK) faculty members via ITV courses. For the new iCAP system used by the Office of the Registrar for verification of degree completion, each UK ITV course must have a unique course number so that the system can track the total number of ITV credits obtained.

5. Effective Catalog Year:

Fall 2008

6. Dates of prior committee approvals:

Engineering Department: _____12/07/2007____

Ogden College Curriculum Committee: _____2/07/2007_____

University Curriculum Committee: ____2/28/08_____

University Senate: _____

Attachment: Course Inventory Form

Proposal Date: 10-01-07

College of Health and Human Services
Department of Communication Disorders
Proposal to Revise Course Credit Hours
(Action Item)

Contact Person: Mary Lloyd Moore, 745-2183, Mary.lloyd.moore@wku.edu

1. Identification of course:

1.1 Current course prefix (subject area) and number: CD 495
1.2 Course title: Clinical Internship
1.3 Credit hours: 2

2. Proposed course credit hours: 2-3

3. Rationale for the revision of course credit hours:

CD 495 can average approximately 8 hours of class/preparation/therapy time per client, per week. To have adequate documentation for families, instructors, and governing agencies, a great deal of student generated and faculty monitored paperwork (diagnostic reports, treatment plans, progress notes, summaries) is needed. Given the range of disorders that the students are treating and the increased need for supervision that is commensurate with the limited amount of undergraduate clinical experience, revision from a 2 hour credit load to a 3 hour credit load will more accurately reflect the amount of student effort involved. CD 495 should be a variable hour course (2 or 3 credits) until all students who have to take CD 495 for 2 hours have completed their programs. At that time, a proposal will be made to offer CD 495 solely for 3 hours.

4. Effective Catalog Year: Summer 2008

5. Dates of prior committee approvals:

Department of Communication Disorders	10/19/07
CHHS Curriculum Committee	1/03/08
Professional Education Council	2/13/2008
University Curriculum Committee	2/28/08
University Senate	

Attachment: Course Inventory Form

Proposal Date: 12/12/2007

College of Education and Behavioral Sciences
Department of Special Instructional Programs
Proposal to Create a New Course
(Action Item)

Contact Person: Janice Ferguson janice.ferguson@wku.edu 56123

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: EXED 200
1.2 Course title: The Culture of Disability
1.3 Abbreviated course title: Culture of Disability
1.4 Credit hours and contact hours: 3
1.5 Type of course: Lecture
1.6 Prerequisites/corequisites: None
1.7 Course catalog listing:
Social and cultural perspectives on disabilities. Covers major types of disabilities, disability as a socially-constructed concept, images and stereotypes of disabilities within various cultures, and cultural norms that create barriers to individuals' participation in society.

2. Rationale:

2.1 Reason for developing the proposed course:
Unlike other courses in the EXED program, the emphasis of the proposed course is on the diversity of cultural perceptions of disability rather than the diversity of learning. As Western Kentucky University students interact with students from other cultures in a global society, awareness of how that society perceives and treats disability becomes a part of their becoming informed world citizens. Increased demand by non-teacher education majors and members of the community for a course in understanding the needs of individuals with disabilities across the life span prompted the development of a course that would also address the global outreach of Western Kentucky University. Anticipated enrollment includes parents, other family members, and students planning careers in which they will be interacting with individuals with disabilities in a variety of contexts.

2.2 Projected enrollment in the proposed course:
Based on informal conversations with faculty and students from other programs, the faculty estimates that eventual course enrollment will be 20 students per offering.

2.3 Relationship of the proposed course to courses now offered by the department:
Unlike the proposed course, the focus of EXED 330 Introduction to Exceptional Education: Diversity in Learning is on the education of students with disabilities. The proposed course focuses on how the culture of disability interacts with/impacts the individual's culture. The General Education components for diversity with the framework of disability (identifies differences and similarities among the world's cultural traditions and social organization) are specifically addressed.

2.4 Relationship of the proposed course to courses offered in other departments:
The proposed course is most similar to COMM 263 Fundamentals of Communication and Culture and FLK 280 Cultural Diversity in the United States. Both of these courses are offered without prerequisites in Category E World Cultures and American Cultural Diversity of the General Education Requirements. CFS 292 Diversity in Early Childhood Programs, designed for Child Studies majors in Family and Consumer

Sciences focuses on the diversity with Early Childhood programs and has minimal to no overlap with the content of the proposed course.

2.5 Relationship of the proposed course to courses offered in other institutions:
The University of Kentucky offers a graduate level two hour course, RC 530 Cultural Diversity in Rehabilitation Counseling that requires instructor permission. Lakehead University in Ontario, Canada offers a different perspective in SOC 4511 Sociology of Disability. Illinois State University has a similar course, Beyond Diversity: Teacher Education for Social Justice for majors in an area of teacher education. The content of the New York City's School for Social Research online course, "Celebrating Differences: Disability and Culture" http://www.disabilityculture.org/course/guide.htm has the greatest similarity to the proposed course.

3. Discussion of proposed course:

3.1 Course objectives:
Upon completion of this course students will

- identify the major types of disabilities and how each is perceived by a culture
- demonstrate understanding of how diverse cultures value individuals with disabilities across the life span
- identify cultural norms that are barriers to individuals' participation in that society
- have an awareness of the impact of a culture's legal system on the education and assimilation of its individuals with disabilities; and
- have examined attitudes and beliefs of families and professionals within a culture

3.2 Content outline:

- differences and similarities between cultural and social perceptions and values of individuals with disabilities
- disability as a socially constructed concept
- languages and images; handicap vs disability
- culture of disability within the diverse cultures
- images and stereotypes across cultures
- disability and history – a timeline of treatment

3.3 Student expectations and requirements:
Assignments and requirements may include but are not limited to:

- Discussions (either on Blackboard or in class)
- Reading and response to provided materials
- Research on aspects of disability within a culture
- Group/Individual presentations
- Exams in open-response/application format

3.4 Tentative texts and course materials:

Priestley, M. (Ed). (2001). *Disability and the life course: Global perspectives.* Cambridge, UK: Cambridge University Press.

Redman, G.L. (2007). *A casebook for exploring diversity* (3rd ed). Columbus, OH: Pearson.

Winzer, M., & Kasper, M. (1998). Special education in multicultural contexts. Columbus, OH: Prentice-Hall.

What We Mean by Disability Culture http://hometown.aol.com/sbrown8912/

4. Resources:

4.1 Library resources: See attached selected bibliography and library resource sheet

4.2 Computer resources: Blackboard, Internet Access

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. Effective Catalog Year: Winter, 2009

7. Dates of prior committee approvals:

Department of Special Instructional Programs: 12/12/07

CEBS Curriculum Committee 2/5/08

University Curriculum Committee 2/28/08

University Senate _____

Attachment: Bibliography, Library Resources Form, **Course Inventory Form**

Bibliography for EXED 200

- Barnes, C., Oliver, M., & Barton, L. (2002). *Disability studies today.* Cambridge, UK: Polity Press.
- Crutchfield, S., & Epstein, M. (2000). *Points of contact disability, art, and culture.* Corporealities. Ann Arbor: University of Michigan Press.
- Davis, L. J. (2006). *The disability studies reader.* New York: Routledge.
- Devlieger PJ, Albrecht GL, & Hertz M. (2007). The production of disability culture among young African-American men. *Social Science & Medicine (1982).* 64 (9), 1948-59.
- Hagner, D., & DiLeo, D. (1993). *Working together workplace culture, supported employment, and persons with disabilities.* Cambridge, MA: Brookline Books.
- Ladd, P. (2003). *Understanding deaf culture in search of deafhood.* Clevedon: Multilingual Matters.
- Olkin, R. (1999). *What psychotherapists should know about disability.* New York: Guilford Press.
- Priestley, M. (2001). *Disability and the life course global perspectives.* Cambridge: Cambridge University Press.
- Redman, G. (2007). *A casebook for exploring diversity.* Upper Saddle River, N.J.: Pearson/Merrill Prentice Hall.
- Riddell, S., & Watson, N. (2003). *Disability, culture and identity.* Harlow: Pearson/Prentice Hall.
- Riley, C. A. (2005). *Disability and the media prescriptions for change.* Hanover, NH: University Press of New England.
- Schwarz, P. (2006). *From disability to possibility the power of inclusive classrooms.* Portsmouth, NH: Heinemann.
- Seligman, M., & Darling, R. B. (2007). *Ordinary families, special children a systems approach to childhood disability.* New York: Guilford Press.
- Shapiro, A. H. (1999). *Everybody Belongs: Changing Negative Attitudes toward Classmates with Disabilities. Garland Reference Library of Social Science. Critical Education Practice.* RoutledgeFalmer, 29 West 35th Street, New York, NY 10001-2200 ($95). Tel: 212-216-7800; Fax: 212-643-1430; Web site: http://www.routledge-ny.com.
- Shapiro, J. P. (1993). *No pity people with disabilities forging a new civil rights movement.* New York: Times Books.
- Stone, J. H. (2005). *Culture and disability providing culturally competent services.* Thousand Oaks: SAGE Publications.

- Winzer, M. A., & Mazurek, K. (1998). *Special education in multicultural contexts.* Upper Saddle River, N.J.: Merrill.
- World Health Organization. (2001). *International classification of functioning, disability and health ICF*. Geneva: World Health Organization.
- Zola, I. K. (1982). *Ordinary lives voices of disability & disease.* Cambridge [Mass.]: Apple-wood Books.
- Zola, I. K. (1997). *Meaningful relationships moments in time.* Boston, Mass: [The Author].
- Zola, I. K. (2004). *Missing pieces a chronicle of living with a disability.* Philadelphia: Temple University Press.

Proposal Date: 18 December 2007

Potter College
Department of English
Proposal to Make Multiple Revisions to a Course
(Action Item)

Contact Person: Dale Rigby, dale.rigby@wku.edu 745-5781

1. Identification of course:
1.1 Current course prefix (subject area) and number: ENG 309
1.2 Course title: WRITING FOR DOCUMENTARY
1.3 Credit hours: 3

2. Revise course title:
2.1 Current course title: WRITING FOR DOCUMENTARY
2.2 Proposed course title: DOCUMENTARY FILM
2.3 Proposed abbreviated title: DOC FILM
2.4 Rationale for revision of course title: To remove the overlap between ENG 309 and ENG 311 Creative Nonfiction as well as BCOM 350 Scriptwriting; to clarify the course's emphasis on documentary films and theory; to reflect that ENG 309 is inappropriate as an option within our Writing major/minor.

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:
4.1 Current prerequisites: ENG 200 and 203 or permission of the instructor
4.2 Proposed prerequisites: ENG 200
4.3 Rationale for revision of course prerequisites:
The 203 Creative Writing prerequisite is inappropriate because the course will no longer be offered within our Writing track; the ENG 200 prerequisite is the same as for our other film courses.
4.4 Effect on completion of major/minor sequence:
The change in emphasis adds depth to the film minor sequence; since the addition last year of ENG 311 Creative Nonfiction our Writing track already has a strong range of upper-division courses, and the Writing students will not be adversely affected by the shift in emphasis.

5. Revise course catalog listing:
5.1 Current course catalog listing:

A course introducing the student to non-fiction film and television as the means of literary or artistic expression. Emphasis will be placed on the writer's role in the research, preparation and composition of non-fiction work, culminating in assignments dealing with proposals, treatments, and completed scripts.

5.2 Proposed course catalog listing:
Introductory study of Documentary film and theory with special attention to the genre's complex reception as "non-fiction" in diverse social and cultural contexts. Among the forms to be studied are the essay-film, cinema verite, reportage, and mockumentary. Will include a film viewing lab.

5.2 Rationale for revision of course catalog listing:
This revision removes the unnecessary overlap between this course and ENG 311 Creative Nonfiction and does away with a split focus that does not well serve either the writing or the film student. The revised emphasis will better serve the Film minor and reflects the balance between primary text and theory that we offer in all our film courses.

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. Effective Catalog Year : 200830

8. Dates of prior committee approvals:

English Department: ___1/25/08_____

PCAL Curriculum Committee ____2/7/08_____

University Curriculum Committee _____2/28/08_____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 12 November 2007

Potter College of Arts & Letters
Department of English
Proposal to Make Multiple Revisions to a Course
(Action Item)

Contact Person: Tom C. Hunley tom.hunley@wku.edu x5769

1. Identification of course:
1.1 Current course prefix (subject area) and number: ENG 493
1.2 Course title: Major American Poets
1.3 Credit hours: 03

2. Revise course title:
2.1 Current course title: Major American Poets
2.2 Proposed course title: American Poetry
2.3 Proposed abbreviated title: American Poetry
2.4 Rationale for revision of course title: It allows greater flexibility in subject matter and a broadening of the scope of the course.

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: N/A
4.2 Proposed prerequisites: N/A
4.3 Rationale for revision of course prerequisites: N/A
4.4 Effect on completion of major/minor sequence: N/A

5. Revise course catalog listing:
5.1 Current course catalog listing: The course is a careful study of the major poems, the styles, and the poetic intent of the most important American poets from Poe to the present.
5.2 Proposed course catalog listing: The course examines, in addition to major writers, selected major movements and schools in American poetry, paying special attention to influences, techniques, and styles.
5.3 Rationale for revision of course catalog listing: It allows for greater flexibility in subject matter and a broadening of the scope of the course.

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. Effective Catalog Year: Fall 2008

8. Dates of prior committee approvals:

English Department:	___1/25/08_____
PCAL Curriculum Committee	____2/7/08_____
University Curriculum Committee	___2/28/08_____
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 1/28/08

Potter College of Arts and Letters
Department of Folk Studies and Anthropology
Proposal to Create a New Course
(Action Item)

Contact Person: Dr. Kristin Dowell Kristin.Dowell@wku.edu 745-5903

1. Identification of proposed course:

1.1 Course prefix and number: ANTH 449

1.2 Course title: Ethnographic Video Production

1.3 Abbreviated Course Title: Ethnographic Video Prod

1.4 Credit hours and contact hours: 3

1.5 Type of course: A

1.6 Prerequisites: ANTH 448 or permission of instructor

1.7 Course catalog listing:
Video production as a research methodology in anthropology. Practical exercises and collaborative student projects. Students will produce their own short ethnographic videos. Explores practices of representing cultures through video. This course will have a lab fee.

2. Rationale:

2.1 This course will be part of a two part sequence on visual anthropology. While the first course (ANTH 448) focuses on the history and theory of visual anthropology, the emphasis of ANTH 449 will be on video production as ethnographic research methodology. As this is an increasingly common methodology within anthropological research, this sequence will better prepare our students for careers in anthropology and other ethnographic fields.

2.2 Projected enrollment: 10 undergraduate students

2.3 Relationship of the proposed course to courses now offered by the department: ANTH 449 is part of a two course sequence in visual anthropology. While ANTH 448 focuses on the history and theory of visual anthropology, ANTH 449 focuses on video production as a research methodology. ANTH 449 will also complement ANTH/FLK 399 Field Methods in Ethnography, which teaches students how to design and use ethnographic research methods.

2.4 Relationship of the proposed course to courses offered in other departments: BCOM 264 Digital Video Production and Distribution offers basic video production to non-broadcast majors, but does not teach video as a methodology in ethnographic research. BCOM 366 Studio and Post-Production Techniques, BCOM 368 News Videography and

Editing, address pre-production, production, and post-productions skills, but through the perspective of journalism and broadcasting.

2.5 Relationship of the proposed course to courses offered in other institutions: Visual anthropology is a growing field within anthropology. None of our benchmark institutions offers courses like ANTH 449. At the undergraduate level there are only a handful of institutions, including Harvard University and Temple University, offering a course in ethnographic video production. This is an opportunity for WKU to develop a unique curriculum that will enhance the educational opportunities for our anthropology majors and folklore minors while making them more competitive in graduate school applications and on the job market.

3. Discussion of proposed course:

3.1 Course objectives:
This course fulfills a requirement for the anthropology major and film studies minor. In taking this course students will

- analyze the role of video production as an ethnographic research method
- learn basic technical skills of video production from an ethnographic perspective
- develop visual storytelling techniques
- learn how to work together in crews to create a short ethnographic video
- develop a greater appreciation of global cultural diversity
- develop collaborative relationships with community organizations during the video production process

3.2 Content outline:
Week One: Introduction to course—What is ethnographic video production?
Week Two: Visual Storytelling for Ethnographic Video
Week Three: Planning and Developing Ethnographic Video Projects
Week Four: Shooting Styles and Camera Techniques for Ethnographic Video
Week Five: Camera Techniques and Coverage for Ethnographic Video
Week Six: Audio Techniques for Ethnographic Video
Week Seven: Lighting Techniques and Strategies for Ethnographic Video
Week Eight: Interviews in an Ethnographic and Cross-Cultural Perspective
Week Nine: Basic Editing for Ethnographic Video
Week Ten: Audio Editing Techniques for Ethnographic Video
Week Eleven: Editing Scenes in Ethnographic Video
Week Twelve: Postproduction I—Storytelling Techniques in Ethnographic Video
Week Thirteen: Postproduction II—Outputting your Ethnographic Video
Week Fourteen: Screening Rough Cuts of Ethnographic Video Projects
Week Fifteen: Final Screening of Ethnographic Video Projects

3.3 Student Expectations and Requirements:

ASSIGNMENTS: 45%

Students will work in crews of three to conduct a series of exercises. These exercises are designed to demonstrate skill in the areas of pre-production, production, and post-production within ethnographic video research methodology.

PRODUCTION NOTEBOOK: 10%

Each crew will keep a notebook with records of their production schedule and work on the ethnographic video project throughout the semester.

VIDEO PROJECT: 25%
In addition to completing the assigned course exercises each crew will work together on their own ethnographic video project outside of the scheduled class sessions to produce a short 5-10 minute ethnographic video as the final project for the class.

CLASS PARTICIPATION AND CONTRIBUTION TO CREW: 20%
This is a very time intensive course that requires students to actively participate in class discussion and contribute to the work of their crew which will be a significant portion of the overall course grade.

3.4 Tentative texts and course materials:
Artis, Anthony. 2006. *The Shut Up and Shoot! Documentary Guide: A Down and Dirty DV Production*. Focal Press.
Asher, Stephen and Edward Pincus. 2007. *The Filmmaker's Handbook: A Comprehensive Guide for the Digital Age*. Plume.
Barbash, Ilisa and Lucien Taylor. 1997. *Cross-Cultural Filmmaking*: *A Handbook for Making Documentary and Ethnographic Films and Videos.* University of California Press.
Bernard, Sheila Curran. 2004. *Documentary Storytelling for Video and Filmmakers*. Focal Press.

4. Resources:

4.1 Library resources: Adequate. See Library Resources Form

4.2 Computer resources: The Department of Folk Studies and Anthropology has two computers in the video production lab that are reserved for the computer needs of ANTH 449.

5. Budget Implications:

5.1 Proposed method of staffing: This course will be staffed by existing Anthropology faculty.

5.2 Special equipment needed: The Folk Studies and Anthropology Department acquired equipment necessary for ANTH 449 as part of a classroom improvement grant.

5.3 Expendable materials needed:
Students will be expected to purchase their own miniDV tapes for the course.

5.4 Laboratory supplies needed: None.

6. Effective Catalog Year: Fall 2008

7. Dates of prior committee approvals:

Anthropology Program 1/22/08

Folk Studies and Anthropology Department 1/28/08

Potter College Curriculum Committee	2/7/08
University Curriculum Committee	2/28/08
University Senate	

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Proposal Date: Jan 28, 2008

Potter College
Department of Sociology
Proposal to Create a New Course
(Action Item)

Contact Person: Name: Holli Drummond email: holli.drummond@wku.edu phone: 5-2259

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: SOCL 446
1.2 Course title: Gender, Crime, and Justice
1.3 Abbreviated course title: Gender, Crime, and Justice
1.4 Credit hours and contact hours: 3 credit, 3 contact
1.5 Type of course: L
1.6 Prerequisites/corequisites: Consent of instructor
1.7 Course catalog listing: Explores effects of gender on crime and victimization. Emphasis on how gender shapes reactions toward victims, offenders, and professionals working within the criminal justice system.

2. Rationale:

2.1 Reason for developing the proposed course: This course is a new addition to our Criminology Minor. Its specific examination of the unique role of a single social characteristic— gender — within the crime process will greatly enhance the Minor, which currently lacks such a dedicated course. Second, given the popularity of the Criminology Minor among students at WKU, this course helps diversify the training and exposure they will receive. For instance, students entering Criminal Justice occupations, such as law enforcement agents, correctional officers, and agents of the court, upon graduation will possess a deeper understanding of the needs of those served by these Criminal Justice agencies. Finally, during certain semesters, this course will be jointly offered— modeled after the national "Inside/Out" program— to WKU students ("outside students") and Kentucky offenders ("inside students") at correctional institutions within the state; a one-time offering of the proposed course in Spring 2007 proved incredibly successful.

2.2 Projected enrollment in the proposed course: 15

2.3 Relationship of the proposed course to courses now offered by the department: Currently three courses in Sociology touch on topics related to gender, crime, and justice. *Family Violence (Socl 435)* examines Intimate Partner Violence and other types of domestic abuse, yet does not focus more broadly on issues related to the criminal justice system. *Penology* (*Socl 430)* explores the policies and philosophies of the adult penal system, yet only superficially explores the relationship between gender and the justice system. *Sociology of Gender (Socl 355)* focuses on the role of gender in society more broadly, but little (or nothing) on the role of gender within the criminal justice system. The proposed *Gender, Crime, and Justice* course, with its broader critique of the construction and use of gender throughout the Criminal Justice system, helps to fill the above-mentioned intellectual opening.

2.4 Relationship of the proposed course to courses offered in other departments: Given the interdisciplinary nature of the Criminology Minor, a degree of complementarity exists. For instance, *Judicial Process (PS 220) & Criminal Justice (PS 328)* explore the practical processes and procedures of the American legal & Criminal Justice systems. Similarly, *Services to Juvenile Offenders (SWRK 356)* focuses on processes and procedures of the American Juvenile Justice system. None of these three courses focuses explicitly on the role of gender in a manner that the proposed *Gender, Crime, & Justice (Socl 446)* will. Indeed, students interested in the above-mentioned Criminology courses offered in Political Science and Social Work would benefit positively from the proposed *Gender, Crime, & Justice* course; all four courses are unique, yet supplement each other very well.

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

Emory University: Sociology 349, Gender & Crime: Explore important and under-studied intersection between gender/women and crime. Focuses on topics such as gender differences in offending, theoretical explanations for female offending, the social construction of offending, women as victims of crime & violence, the sexualization and criminalization of women's bodies, women's experiences with prison and the criminal justice system, and women working in law enforcement.

University of Illinois at Chicago: CrJ 424, Gender, Crime, & Justice: Examines the role of gender in the criminal legal system. Specific focus on: women as defendants, victims, prisoners, and professionals.

University of Southern Maine: Crm 317, Gender and Crime: Examines the issue of gender and its relation to crime. Specific focus on: historic gender inequality, criminological theory and its neglect/misunderstanding of gender in relation to crime, applications of how inequality affects specific types of criminality—rape, violence in the family, crimes by women, and crimes by men.

3. Discussion of proposed course:

3.4 Course objectives: All students will develop and use skills of oral reasoning and debate during the highly interactive class sessions. All students will improve the efficiency and clarity of their written work. Because this class may take place within a state correctional institution, undergraduate students enrolled at WKU will have the opportunity to think through and apply what they have learned in their coursework throughout college. Because this class could include students from the correctional institution, men and women "on the inside" will have an opportunity to place their life experiences in a larger social context, and hopefully recognize their capacity as agents of change, not only in their lives but in the broader communities from which they have come and will likely return.

3.5 Content outline: Content topics include: Patterns and prevalence of crime by gender, gendered explanations of crime, gendered treatment of the offender & professional throughout the CJ system, Victimization, the gendered experience of imprisonment, and how justice goals (i.e., punishment, rehabilitation, restoration, etc.) affect male and female offenders.

3.6 Student expectations and requirements: Students must prepare for class having read assigned readings so they are in a position to contribute productively to class

discussion. Five written papers are required which ask students to identify unique observations/interactions from class, critically analyze topics discussed by integrating reading material, and then reflect on their emotional reaction(s) to the class session. Finally, students will participate in a final project (such as "Designing a model facility for women") which has both a written and oral component.

3.7 Tentative texts and course materials:

Adams, G.R., Munro, B., Munro, G., Doherty-Poirer, M., & Edwards, J. (2005). Identity processing styles and Canadian adolescents' self-reported delinquency. *Identity: An international journal of theory and research, 5,* (1), 57-65.

Belknap, J. (2007). *The invisible woman: Gender, crime and justice* (3rd ed.). Wadsworth Company.

Coates, R.B., Umbreit, M.S., & Vos, B. (2006). Responding to hate crimes through restorative justice dialogue. *Contemporary justice review, 9,* (1), 7-21.

Frieze, I.H. (2005). Reactions to victimization. In *Hurting the one you love: Violence in relationships.*

Gilfus, M.E. (2006). From victims to offenders: Women's routes of entry and immersion into street crime. In Alarid, L.F. & Cromwell. P. (Eds.) *In her own words: Women offenders views on crime and victimization.*

Girshick, L.B. (2003). Leaving stronger: Programming for release. In Sharp, S. (Ed.) *The incarcerated woman: Rehabilitative programming in women's prisons.*

Grabe, M.E., Trager, K.D., Lear, M., & Rauch, J. (2006). Gender in crime news: A case study test of the chivalry hypothesis. *Mass communication and society, 9,* (2), 137-163.

McCorkel, J.A. (2003). Embodied surveillance and the gendering of punishment. *Journal of Contemporary Ethnography, 32,*(1), 41-76.

Meserschmidt, J. (1996). *Masculinities and crime: Critique and reconceptualization of theory*. Rowman & Littlefield: Maryland.

Nagel, I.H., & Johnson, B.L. (1994). The role of gender in a structured sentencing system: Equal treatment, policy choices, and the sentencing of female offenders under the United States sentencing guidelines. *The journal of criminal law and criminology, 85,* (1), 181-196.

Pollack, J.M. (2002). *Women, Prison, & Crime* (2nd Ed.). Brooks Cole.

Price, B.R. & Sokoloff, N.J. (eds.) *The Criminal Justice System & Women.* McGraw Hill: New York.

Radosh, P.F. (2002). Reflections on women's crime and mothers in prison: a peacemaking approach. *Crime and Delinquency, 48,* (2), 300-315.

Steffensmeir, D., Schwartz, J., Zhong, H., & Ackerman, J. (2005). An assessment of recent trends in girls' violence using diverse longitudinal sources: Is the gender gap closing? *Criminology, 43* (2), 355-387.

4. Resources:

4.1 Library resources: see attached form.
4.2 Computer resources: Departmental Computer Lab, Grise Hall Room 135, is sufficient.

5. Budget implications:

5.1 Proposed method of staffing: Existing faculty
5.2 Special equipment needed: None
5.3 Expendable materials needed: None
5.4 Laboratory materials needed: None

6. Effective Catalog Year: Fall 2008

7. Dates of prior committee approvals:

Sociology Department: Jan 23, 2008

Potter College Curriculum Committee Feb 7, 2008

University Curriculum Committee ___2/28/08_____

University Senate _____

Attachment: Bibliography, Library Resources Form, **Course Inventory Form**

Proposal Date: 11/09/2007

Potter College of Arts and Letters
Department of English
Proposal to Revise A Program
(Action Item)

Contact Person: Joe M. Hardin Email: joe.hardin@wku.edu Phone: 5-4650

1. Identification of program:

1.1 Current program reference number: 662W
1.2 Current program title: Major in English: Writing Concentration
1.3 Credit hours: 38 hours

2. Identification of the proposed program changes: Split the writing concentration in the English major into two different concentrations, creative writing and professional writing. (This results in three different concentrations in the major: literature, creative writing, and professional writing.)

3. Detailed program description:

Current introductory paragraph describing the writing concentration in English	Proposed introductory paragraph describing the two writing concentrations in English
The writing concentration in English (reference number 662) requires a minimum of 38 hours and leads to the bachelor of arts degree. A minor or second major is required. Requirements for the option are English 299, 304, 381, 382, 385, 391, 392, five writing courses, including English 406, and one additional elective from departmental offerings.	The **creative writing concentration** in English (reference number **662CW)** requires a minimum of 38 hours and leads to the bachelor of arts degree. A minor or second major is required. Requirements include English 299, 381, 382, 385, 391, 392, and **413 (capstone**, which should be taken in the final semester of coursework); **any four of the following courses: ENG 303, 305, 311, 358, 403, and 411;** and two electives from department offerings**. Note: ENG 203 is a required prerequisite to the upper level creative writing courses and may count as one elective.** The **professional writing concentration** (reference number **662PW)** requires a minimum of 38 hours and leads to the bachelor of arts degree. A minor or second major is required. Requirements include

	English 299, 381, 382, 385, 391, 392, and **414** (capstone, which should be taken in the final semester of coursework); **any four of the following courses: English 301, 306, 307, 401, 402, 412, and 415;** and two electives from department offerings**. It is strongly recommended that students in the professional writing concentration also complete an internship (369).**

4. Rationale for the proposed program change:

Currently, students in the writing concentration take a mixture of professional writing and creative writing courses, and the skills developed in the two kinds of writing courses are different. In an effort to make the writing concentration more attractive, cohesive, and useful, we propose splitting it into two separate concentrations. The will allow for greater focus and in-depth experience in the kind of writing the student wishes to pursue professionally and will increase the value of the degree. As the major stands, the writing students may take any combination of creative and professional writing courses, which can result in a lack of thorough preparation in any one kind of writing.

5. Effective Catalog Year and special provisions (if applicable):

Proposed implementation will be in Fall 2008. Currently enrolled students in the concentration will finish their degrees under the current catalogue requirements.

6. Dates of prior committee approvals:

English Department: ___1/25/08_____

Potter College Curriculum Committee: ____2/07/08_____

University Curriculum Committee: ___2/28/08_____

University Senate: _____

Attachment: Program Inventory Form

Proposal Date: 11/27/07

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

Contact Person: Sigrid Jacobshagen, Sigrid.jacobshagen@wku.edu, 5-5994

1. Identification of course:

1.1 Current course prefix (subject area) and number: BIOL 400
1.2 Course title: Plant Physiology
1.3 Credit hours: 3

2. Revise course catalog listing:

2.1 Current course catalog listing: A study of the function of plant systems.
2.2 Proposed course catalog listing: A study of the general principles by which plants function. Three areas discussed are transport and translocation of water and solutes, metabolism with special emphasis on photosynthesis, and plant growth and development.
2.3 Rationale for revision of course catalog listing:
The new catalog listing allows students to better understand the course subject.

3. Revise course credit hours:

3.1 Current course credit hours: 3
3.2 Proposed course credit hours: 4
3.3 Rationale for revision of course credit hours:
The course currently consists of a two-credit-hour lecture and one-credit-hour lab component. The lecture component of the course needs to be increased to a three-credit-hour portion in order to cover the subject appropriately. A student having "Plant Physiology" as a course on his or her transcript is expected to have gained an overview of the entire field of plant physiology. This is possible only with a three-credit-hour lecture component.

4. Proposed Term of Implementation: Spring 2009

5. Dates of prior committee approvals:

Biology Department: ___12/17/07_____

Ogden College Curriculum Committee: ___02/07/08_____

University Curriculum Committee: ___2/28/08_____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 12/07/2007

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

Contact Person: Shane Palmquist, shane.palmquist@wku.edu, 745-2919

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: CE 310
1.2 Course title: Strength of Materials Laboratory
1.3 Abbreviated course title: Strength of Materials Lab
1.4 Credit hours and contact hours: 1.0
1.5 Type of course: Lab
1.6 Prerequisites/corequisites:

Prerequisites: MATH 227, and EM 221 or EM 222
Corequisite: EM 302 or EM 303

1.7 Course catalog listing:
Implementation of fundamental principles and physical laws governing the response of structural components to external forces. Students will plan, conduct and report on experiments to measure the performance characteristics of materials and structural systems.

2. Rationale:

2.1 Reason for developing the proposed course:
This course replaces ME 331 Strengths of Materials Laboratory, which has been deleted. This lab is a required course for all students majoring in civil engineering.

2.2 Projected enrollment in the proposed course: Approximately 30 per year based on current enrollment figures.

2.3 Relationship of the proposed course to courses now offered by the department:
None.

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:
This class is very similar to classes offered at most universities that offer a civil engineering degree. University of Louisville offers CE 255, Mechanics of Materials Lab. This laboratory course is equivalent to what is being proposed.

3. Discussion of proposed course:

3.1 Course objectives:

Students will be able to:

- Plan, conduct, analyze and evaluate basic experiments.
- Use industry standard test methods.
- Measure influence of work hardening and/or heat treatment of alloys.
- Measure materials response by instrumentation.
- Measure structural deflections.
- Compare analytical and theoretical results.
- Communicate test results through reports or presentation.

3.2 Content outline:

- Report writing
- Measuring and instrumentation for tensile testing
- Tensile strength testing of wood
- Tensile strength tests of metals
    - Hardness testing
    - Impact testing
- Measuring and instrumentation for flexural testing
- Flexure testing of beams
- Measuring and instrumentation for compression testing
- Compression tests

3.3 Student expectations and requirements:

Students will be graded based on their laboratory performance, calculations submitted, drawings, and reports.

3.4 Tentative texts and course materials:

Mechanics of Materials, 4th ed., Ferdinand P. Beer, E. Russell Johnston, Jr. and John T. DeWolf, McGraw-Hill, Inc., 2006, ISBN: 0073107956.

Handouts will be provided to students.

4. Resources:

4.1 Library resources: See attached Library Resources form and Bibliography.
4.2 Computer resources: Student computer resources are adequate.

5. Budget implications:

5.1 Proposed method of staffing: Since this class replaces ME 331, there is no net change in staffing requirements.
5.2 Special equipment needed: None
5.3 Expendable materials needed: None other than normal materials
5.4 Laboratory materials needed: Current lab equipment is adequate for this course

6. Effective Catalog Year: Fall 2008

7. Dates of prior committee approvals:

Department of Engineering:	___ 12/07/2007_____
Ogden College Curriculum Committee	____2/07/2008_____
University Curriculum Committee	_____2/28/08_____
University Senate	_____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Bibliography of Sources
CE 310 Strengths of Materials Lab

Bela Imre Sandor (1978). *Strength of Materials*. Prentice Hall: Englewood Cliffs, N.J.

Irving Granet (1980). *Strength of Materials for Engineering Technology*. Reston Pub. Co.: Reston, VA.

John Case, Amos Henry Chilver, and Carl T.F. Ross (1999). *Strength of Materials and Structures*. John Wiley & Sons: New York.

Nicholas Willems and John T. Easley (1981). *Strength of Materials*. McGraw Hill: New York.

Proposal Date: 12/07/2007

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

Contact Person: Shane Palmquist, shane.palmquist@wku.edu, 745-2919

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: CE 341
1.2 Course title: UK-Fluid Thermal Science
1.3 Abbreviated course title: UK-Fluid Thermal Science
1.4 Credit hours and contact hours: 4
1.5 Type of course: L
1.6 Prerequisites: MATH 227, and EM 221 or EM 222
1.7 Course catalog listing:

Conservation of fluid mass and momentum, forces in fluids, pipe flow, fluid measurements, pump systems, hydrodynamic drag, open channel flow, and introduction to thermodynamics. Students may not earn credit for both CE 341 and CE 342.

2. Rationale:

2.1 Reason for developing the proposed course:

Students in the civil engineering program are required to obtain 16 credit hours in the major from University of Kentucky (UK) faculty members via ITV courses. For the new iCAP system used by the Office of the Registrar for verification of degree completion, each UK ITV course must have a unique course number so that the system can track the total number of ITV credits obtained.

This course replaces ME 362 Thermal Fluid Science, which is being deleted. CE 341 adds emphasis to fluids with an introduction to thermodynamics. This is a required course for all students majoring in civil engineering.

2.2 Projected enrollment in the proposed course:

Approximately 30 per year based on current enrollment figures.

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

Shares some topics (but at a more elementary level) with CE 462, Hydraulic Engineering Systems. CE 462 is a project course aimed more at design while this class will not include a major project, and will emphasize fluid fundamentals.

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

There is slight overlap of topics with GEOG 427 Water Resources.

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

This class is very similar to classes offered at most universities that offer a civil engineering degree. It is identical to CE 341 Fluid Mechanics I offered at UK. It is also similar to CE 370 Engineering Hydraulics taught at the University of Louisville.

3. Discussion of proposed course:

3.1 Course objectives:
Students should be able to:

- Apply fundamental conservation equations to practical problems
- Determine forces in static and moving fluids
- Understand fluid friction in real fluids
- Determine of flows and pressures in simple pipe networks
- Analyze simple pumping systems and select proper pumps
- Calculate uniform flow in open channels
- Apply Bernoulli's equation to simple flow situation
- Calculate drag on objects with simple geometries
- Determine a proper set of dimensionless parameters governing a physical phenomenon
- Understand thermodynamic properties of fluids and engine cycles

3.2 Content outline:

- Fluid properties
- Hydrostatics and buoyancy
- Governing equations and the conservation of mass and momentum
- Dimensional analysis and hydraulic similarity
- Flow resistance and velocity distributions
- Pipe flow
- Pumps and pump systems
- Uniform flow in open channels
- Thermodynamic property tables and engine cycles

3.3 Student expectations and requirements:

Grades will be based on homework assignments, in-class exams, and a limited number of lab reports.

3.4 Tentative texts and course materials:

Cruise, James F., Sherif, Mohsen H., and Singh, Vijay P. (2007) *Elementary Hydraulics*, Nelson a Division of Thomson Canada, Toronto, Canada, 560 pp., ISBN: 0-534-49483-8.

Handouts covering thermodynamics will be provided to students.

4. Resources:

4.1 Library resources: See attached Library Resources form and Bibliography.
4.2 Computer resources: Student computer resources are adequate.

5. Budget implications:

5.1 Proposed method of staffing: Since this class replaces ME 362, there is no net change in staffing requirements.
5.2 Special equipment needed: None
5.3 Expendable materials needed: None other than normal materials
5.4 Laboratory materials needed: Current lab equipment is adequate for this course

6. Effective Catalog Year: Fall 2008

7. Dates of prior committee approvals:

Department of Engineering: ____12/07/2007_____

Ogden College Curriculum Committee ____2/07/2008_____

University Curriculum Committee ___2/28/08_____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Bibliography of Sources

CE 341 UK-Fluid Thermal Science

Irfan A. Khan (1987). *Fluid Mechanics*. Holt, Rinehart & Winston: New York, NY.

Kenneth Wark (1977). *Thermodynamics*. McGraw-Hill: New York, NY.

Pijush K. Kundu (2002). *Fluid Mechanics*. Academic: San Diego, CA.

Richard Edwin, Claus Borgnakke, and Gordon John Van Wylen (1998). *Fundamentals of Thermodynamics*. Wiley: New York, NY.

Stephen M. Richardon (1989). *Fluid Mechanics*. Hemisphere Pub.: New York, NY.

Proposal Date: 12/07/2007

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

Contact Person: Shane Palmquist, shane.palmquist@wku.edu, 745-2919

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: CE 342
1.2 Course title: WKU-Fluid Thermal Science
1.3 Abbreviated course title: WKU-Fluid Thermal Science
1.4 Credit hours and contact hours: 4
1.5 Type of course: L
1.6 Prerequisites: MATH 227, and EM 221 or EM 222
1.7 Course catalog listing:

Conservation of fluid mass and momentum, forces in fluids, pipe flow, fluid measurements, pump systems, hydrodynamic drag, open channel flow, and introduction to thermodynamics. Students may not earn credit for both CE 341 and CE 342.

2. Rationale:

2.1 Reason for developing the proposed course:

Students in the civil engineering program are required to obtain 16 credit hours in the major from University of Kentucky (UK) faculty members via ITV courses. For the new iCAP system used by the Office of the Registrar for verification of degree completion, each UK ITV course must have a unique course number so that the system can track the total number of ITV credits obtained.

This course replaces ME 362 Thermal Fluid Science, which is being deleted. CE 342 adds emphasis to fluids with an introduction to thermodynamics. This is a required course for all students majoring in civil engineering.

2.2 Projected enrollment in the proposed course:

Approximately 30 per year based on current enrollment figures.

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

Shares some topics (but at a more elementary level) with CE 462, Hydraulic Engineering Systems. CE 462 is a project course more aimed at design while

this class will not include a major project, and will be aimed at fluid fundamentals.

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

There is some slight overlap of topics with GEOG 427 Water Resources.

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

This class is very similar to classes offered at most universities that offer a civil engineering degree. It is identical to CE 341 Fluid Mechanics I offered at UK. It is also similar to CE 370 Engineering Hydraulics taught at the University of Louisville.

3. Discussion of proposed course:

3.1 Course objectives:
Students should be able to:

- Apply the fundamental conservation equations to practical problems
- Determine forces in static and moving fluids
- Understand fluid friction in real fluids
- Determine flows and pressures in simple pipe networks
- Analyze simple pumping systems and select proper pumps
- Calculate uniform flow in open channels
- Apply Bernoulli's equation to simple flow situation
- Calculate drag on objects with simple geometries
- Determine a proper set of dimensionless parameters governing a physical phenomenon
- Understand thermodynamic properties of fluids and engine cycles

3.2 Content outline:

- Fluid properties
- Hydrostatics and buoyancy
- Governing equations and the conservation of mass and momentum
- Dimensional analysis and hydraulic similarity
- Flow resistance and velocity distributions
- Pipe flow
- Pumps and pump systems
- Uniform flow in open channels
- Thermodynamic property tables and engine cycles

3.3 Student expectations and requirements:

Grades will be based on homework assignments, in-class exams, and a limited number of lab reports.

3.4 Tentative texts and course materials:

Cruise, James F., Sherif, Mohsen H., and Singh, Vijay P. (2007) *Elementary Hydraulics*, Nelson a Division of Thomson Canada, Toronto, Canada, 560 pp., ISBN: 0-534-49483-8.

Handouts covering thermodynamics will be provided to students.

4. Resources:

4.1 Library resources: See attached Library Resources form and Bibliography.
4.2 Computer resources: Student computer resources are adequate.

5. Budget implications:

5.1 Proposed method of staffing: Since this class replaces ME 362, there is no net change in staffing requirements.
5.2 Special equipment needed: None
5.3 Expendable materials needed: None other than normal materials
5.4 Laboratory materials needed: Current lab equipment is adequate for this course

6. Effective Catalog Year: Fall 2008

7. Dates of prior committee approvals:

Department of Engineering: ____12/07/2007_____

Ogden College Curriculum Committee ____2/07/2008_____

University Curriculum Committee ___2/28/08_____

University Senate _____

Attachment: Bibliography, Library Resources Form, **Course Inventory Form**

Proposal Date: 12/07/2007

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

Contact Person: Shane Palmquist, shane.palmquist@wku.edu, 745-2919

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: CE 373
1.2 Course title: UK-Structural Analysis
1.3 Abbreviated course title: UK-Structural Analysis
1.4 Credit hours and contact hours: 3
1.5 Type of course: L
1.6 Prerequisites: EM 302 or EM 303
1.7 Course catalog listing:

Modeling of real structural systems; loads and building codes; analysis of statically determinate and indeterminate planar structures including displacements, internal forces and influence lines; exact and approximate techniques. Students may not earn credit for both CE 373 and CE 382.

2. Rationale:

2.1 Reason for developing the proposed course:

Students in the civil engineering program are required to obtain 16 credit hours in the major from University of Kentucky (UK) faculty members via ITV courses. For the new iCAP system used by the Office of the Registrar for verification of degree completion, each UK ITV course must have a unique course number so that the system can track the total number of ITV credits obtained.

Students have been taking CE 382, Structural Analysis. However, this course is being renamed WKU-Structural Analysis to conform to the iCAP system. Currently, CE 382 (WKU-Structural Analysis) will be taught in the fall semester. However, students may take CE 373 (UK-Structural Analysis) during the summer.

2.2 Projected enrollment in the proposed course:

Approximately 30 per year based on current enrollment figures.

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

This course will be equivalent to CE 382, WKU-Structural Analysis. However, it will be taught by University of Kentucky faculty members.

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:

This class is very similar to classes offered at most universities that offer a civil engineering degree. It is identical to CE 382 Structural Analysis at the University of Kentucky.

3. Discussion of proposed course:

3.1 Course objectives:
Students should be able to:

- Evaluate the redundancy and stability of frame and truss structures.
- Identify and model typical real building and bridge systems.
- Draw shear and moment diagrams for frame structures.
- Estimate deflections of structural systems.
- Analyze indeterminate structures using at least one exact method and approximate techniques.
- Use software to analyze a structure.
- Develop influence lines for determinate structures.

3.2 Content outline:

- Introduction to structural anlysis.
- Reactions of determinate structures.
- Internal loadings in beams and frames.
- Plane truss analysis.
- Deflections of beams
- Analysis of indeterminate structures
- Influence lines
- Approximate methods for indeterminate structures

3.3 Student expectations and requirements:

Grades will be based on homework assignments and in-class exams.

3.4 Tentative texts and course materials:

R. C. Hibbeler, (2006), Structural Analysis, 6th Ed., Pearson/Prentice Hall, 640 pp., ISBN: 0-13-147089-2.

Handouts covering structural analysis will be provided to students.

4. Resources:

4.1 Library resources: See attached Library Resources form and Bibliography.
4.2 Computer resources: Student computer resources are adequate.

5. Budget implications:

5.1 Proposed method of staffing: This is not a new course to the curriculum, so there is no net change in staffing requirements.
5.2 Special equipment needed: None
5.3 Expendable materials needed: None other than normal materials
5.4 Laboratory materials needed: NA

6. Effective Catalog Year: Fall 2008

7. Dates of prior committee approvals:

Department of Engineering: _____12/07/2007____

Ogden College Curriculum Committee _____2/07/2007_____

University Curriculum Committee ____2/28/08_____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Bibliography of Sources
CE 373 UK-Structural Analysis

Alexander Chajes (1983). *Structural Analysis*. Prentice-Hall: Englewood Cliffs, NJ.

G. B. Vine (1982). *Structural Analysis*. Longman, New York, NY.

Harold I. Laursen (1978). *Structural Analysis*. McGraw-Hill: New York, NY.

Jack C. McCormac (1975). *Structural Analysis*. Intext Educational Publishers, New York, NY.

Proposal Date: 12/07/2007

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

Contact Person: Shane Palmquist, shane.palmquist@wku.edu, 745-2919

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: CE 483
1.2 Course title: UK-Elementary Structural Design
1.3 Abbreviated course title: UK-Elem. Structural Design
1.4 Credit hours and contact hours: 3
1.5 Type of course: L
1.6 Prerequisites: CE 373 or CE 382, and EM 302 or EM 303
1.7 Course catalog listing:

Applications of principles of solid mechanics to the design of steel, timber, and reinforced concrete members and structures. Emphasis is on basic ideas and their application to practical design of relatively simple structures according to the building codes. Students may not earn credit for both CE 482 and CE 483.

2. Rationale:

2.1 Reason for developing the proposed course:

Students in the civil engineering program are required to obtain 16 credit hours in the major from University of Kentucky (UK) faculty members via ITV courses. For the new iCAP system used by the Office of the Registrar for verification of degree completion, each UK ITV course must have a unique course number so that the system can track the total number of ITV credits obtained.

Students have been taking CE 482, Elementary Structural Design. However, this course is being renamed WKU-Elementary Structural Design for to conform with the iCAP system. Currently, CE 482 (WKU-Structural Analysis) will be taught in the spring semester. However, students may take CE 483 (UK-Elementary Structural Design) during the summer.

2.2 Projected enrollment in the proposed course:

Approximately 30 per year based on current enrollment figures.

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

This course will be equivalent to CE 482, WKU-Elementary Structural Design. However, it will be taught by University of Kentucky faculty members.

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:

This class is very similar to classes offered at most universities that offer a civil engineering degree. It is identical to CE 482 Elementary Structural Design at the University of Kentucky.

3. Discussion of proposed course:

3.1 Course objectives:
Students should be able to:

- Estimate design loads.
- Explain the commonly used building codes including similarities and differences.
- Design beams, columns, slabs and connections using state of practice building codes for steel, reinforced concrete, masonry, and timber.

3.2 Content outline:

- Introduction to loads, codes, and specifications
- Steel design:
    - Introduction to steel design and Steel Manual specification
    - Tension member design and tension connections
    - Beam design and composite members
    - Column design, and combined bending and axial loads
- Concrete design:
    - Introduction to reinforced concrete design and the Building Code Requirements for Structural Concrete, ACI 318
    - Beam design: flexure and shear
    - One-way slab design
    - Anchorage and development length of rebar
    - Column design
- Timber design:
    - Introduction to timber design and the Manual for Engineered Wood Construction
    - Beam design
    - Connections
- Masonry design:
    - Introduction to masonry design and the Masonry Standards Joint Committee Code, Specification and Commentaries, ACI 530
    - Beam design
    - Column design
    - Design of masonry walls

3.3 Student expectations and requirements:

Grades will be based on homework assignments and in-class exams.

3.4 Tentative texts and course materials:

Manual of Steel Construction, 13th ed., American Institute of Steel Construction (AISC), ISBN: 1-56424-055-X, (2005).

Handouts covering steel design will be provided to students.

4. Resources:

4.1 Library resources: See attached Library Resources form and Bibliography.
4.2 Computer resources: Student computer resources are adequate.

5. Budget implications:

5.1 Proposed method of staffing: This is not a new course to the curriculum, so there is no net change in staffing requirements.
5.2 Special equipment needed: None
5.3 Expendable materials needed: None other than normal materials
5.4 Laboratory materials needed: NA

6. Effective Catalog Year: Fall 2008

7. Dates of prior committee approvals:

Department of Engineering: ____12/07/2007_____

Ogden College Curriculum Committee ____2/07/2008_____

University Curriculum Committee ___2/28/08_____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Bibliography of Sources
CE 483 UK-Elementary Structural Design

Leonard Spiegel and George F. Limbrunner (1998). *Reinforced Concrete Design*. Prentice Hall, Upper Saddle River, NJ.

Bogdan Kuzmanovic and Nicholas Willems (1983). *Steel Design for Structural Engineers*. Prentice Hall, Englewood Cliffs, NJ.

Amon Rene, Bruce Knobloch, and Atanu Mazumder (1982). *Steel Design for Engineers and Architects*. Van Nostrand Reinhold, New York, NY.

Donald Willcox (1968). *Wood Design*. Watson-Guptill Publications, New York, NY.

Christine Beall (2004). *Masonry Design and Detailing for Architects and Contractors*. McGraw-Hill, New York, NY.

Proposal Date: 1/29/2008

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

Contact Person: Dr. Paul Woosley, 745-5965, EST 237

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: AGRO 111
1.2 Course title: Plant Science Laboratory
1.3 Abbreviated course title: Plant Science Laboratory
1.4 Credit hours and contact hours: one credit hour
1.5 Type of course: B (Lab)
1.6 Corequisites: AGRO 110
1.7 Course catalog listing:
A laboratory course correlated with AGRO 110. Laboratories coincide with lecture topics. Lab is strongly encouraged for students in the plant sciences. Lab fee required.

2. Rationale:

2.1 Reason for developing the proposed course:
This course is being developed as part of restructuring the agriculture curriculum. Western Kentucky University is putting greater importance upon critical thinking and student engagement. This course will help achieve goals set forth in the University's Quality Enhancement Plan. Through the laboratory setting, students will be able to apply plant growth and development concepts discussed in AGRO 110 while being introduced to the scientific method.

2.2 Projected enrollment in the proposed course:
30-40 students based upon previous enrollment in AGRO 110.

2.3 Relationship of the proposed course to courses now offered by the department:
The department does not currently offer an introductory laboratory related to plant science. This laboratory will introduce all agriculture students to basic plant growth, development, and physiology. In addition, this laboratory will prepare students wishing to concentrate in plant sciences for future courses. Necessary skills will be acquired for future plant related laboratories including: Weed Science Laboratory (AGRO 410), Forage Crops Laboratory (AGRO 421), Soils Laboratory (AGRO 351), Nursery Management Laboratory (HORT 405), and Plant Propagation Laboratory (HORT 408).

2.4 Relationship of the proposed course to courses offered in other departments:
While they are several laboratories that touch on plant science, WKU does not offer an introductory plant science laboratory covering agronomic and horticulture techniques and principals.

2.5 Relationship of the proposed course to courses offered in other institutions:
The proposed course is comparable to courses taught at EKU (AGR 131), UK (PLS 220), and Morehead (AGR 180) and many other land grant universities across the country.

3. Discussion of proposed course:

3.1 Course objectives:
Students will apply plant growth and development concepts related to agriculture. This course will expose agriculture students focusing on animal science, agriculture education, and agriculture economics to plant science, while providing a conceptual base for agriculture students pursuing agronomy and horticulture related fields.

3.2 Content outline:

- Plant anatomy
- Plant hormones and growth regulators
- Photosynthesis: C_4 vs. C_3 plants
- Photosynthesis: light quality
- Asexual plant propagation
- Nitrogen fixation and plant nutrition
- Forage quality

3.3 Student expectations and requirements:
Performance will be evaluated based upon laboratory reports and exams.

3.4 Tentative texts and course materials:
A course pack will be developed by the faculty.

4. Resources:

4.1 Library resources: none required
4.2 Computer resources: none required

5. Budget implications:

5.1 Proposed method of staffing: current staffing
5.2 Special equipment needed: none
5.3 Expendable materials needed: none
5.4 Laboratory materials needed: standard glassware, pots, electronic balance

6. Effective Catalog Year: Fall 2008

7. Dates of prior committee approvals:

Department of Agriculture: ___1/15/2008_____

OCSE Curriculum Committee ___2/7/2008_____

University Curriculum Committee ____2/28/08_____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Bibliography: none
Library Resources: none

Proposal Date: 1/31/2008

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

Contact Person: Aaron J. Celestian e-mail: aaron.celestian@wku.edu Phone: 5-5977

1. Identification of proposed course:

1.1. Prefix and number: GEOL 432
1.2. Title: Crystallography
1.3. Abbreviated title: Crystallography
1.4. Credit: 4
1.5. Type of course: C (Lecture and Laboratory)
1.6. Prerequisites: GEOL 330 or PHYS 266 or CHEM 222
1.7. Catalog course listing:

An introduction to the theory and experimental practices of modern crystallography. Focuses on the study of symmetry and crystal structures and their physical and chemical properties in environmentally important Earth materials. Laboratory fee required.

2. Rationale:

2.1. Reason for developing the proposed course:

This crystallography course is being developed to help initiate a multi-disciplinary Mineralogical and Material Science emphasis at Western Kentucky University. In an effort to propel our students to the forefront of Earth and energy sciences, a fundamental understanding of crystalline matter is an essential component of their education. Atomic structure determination is a key practical skill in the geological, chemical, materials, and life sciences; thus crystallography is an important part of the education of every scientist working in those fields. However, a dedicated crystallography course is absent from many undergraduate curricula throughout the United States, including WKU. This is unfortunate, as the majority of scientists relying on crystal structures do not understand the basic methods well enough to evaluate the results of X-ray diffraction data and are unable to draw their own conclusions from crystallographic data.

This crystallography class augments and enhances what is already in place at WKU. The association of the Materials Characterization Center and the Applied Physics Institute makes WKU a leading American university in many materials sciences disciplines. The facilities necessary to provide hands-on application experience to students are already available at WKU. This course work will provide our students with aptitude in and appreciation for, the growing number of environmental and industrial Earth and materials science careers.

2.2. Projected enrollment in the proposed course:

During the pilot launch of this course during Fall 2007 (GEOL 475/475g), one graduate and six undergraduate students enrolled. I believe that once this course is available for student review across various disciplines the enrollment should increase and is projected to be approximately ten to fifteen students per year.

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

The Department of Geography and Geology offers courses in mineralogy (GEOL 330), petrology (GEOL 350), and optical mineralogy (GEOL 430/475g). The addition of crystallography will serve to complete an emphasis in Earth materials for the Bachelors of Science degree in geology.

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

The crystallography (GEOL 432) course will complement existing courses in mathematics (Linear Algebra MATH 307), physics (Solid State Physics PHYS 460), engineering (Materials and Methods of Manufacturing ME 240) and chemistry (Inorganic Chemistry CHEM 420 and Materials Chemistry CHEM 490) and serve to complete WKU's strength in a multi-disciplinary and well-rounded study of materials.

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

In the United States, academic institutions such as the University of Northern Iowa (GEOL 870), the University of Southern Alabama (GY 341), University of Southern Mississippi (GEO 406/506 and GEO 407/507), the University of New Mexico (EOSC 520), the University of Arizona (GEOS 418 and 460), Virginia Tech (GEOS 5535–5536) all offer undergraduate levels of crystallography.

Beyond the United States, all the major Canadian universities (Univ. of British Columbia, Univ. of Toronto, McMaster, Univ. of Windsor, and the Univ. Manitoba) offer undergraduate crystallography courses. In Europe, Asia, and the Middle East, the number of institutions that offer crystallography as a required or elective course quickly increases (such institutions as ETH, Univ. of Edinburgh, Liverpool, Ruhr-Universität Bochum, Bremen, Yonsei University in Korea, Technical University of the Middle East, University of Kirikkale in Turkey, and many others).

Within Kentucky, only the University of Kentucky (CHE 580) offers a dedicated crystallography course. This absence of crystallography from undergraduate programs in Kentucky opens an opportunity for WKU to become a materials science magnet for undergraduate and graduate students.

3. Discussion of proposed course:

3.1. Course objectives:

Students will gain a thorough understanding of the concepts of symmetry as related to crystal structures and the natural world. Through the use of theory and application, the students will grasp the relationships between physical properties of minerals as they are directly related to their symmetric atomic makeup. Students will be given practical experience with crystal structure refinements and crystal structure analysis with the use of modern crystallographic equipment and software.

3.2. Lecture Content outline:

- Introduction to the mathematic tools to be used in the course
  - Introduction to linear algebra
  - Matrix manipulations
- Geometrical aspects of crystals
  - Calculation of bond lengths and angles
  - Generation of atomic coordinates based on symmetry operations
- Point Groups
  - Introduction to group symmetry
  - Derivation of the 32 point groups
  - Subgroup and Supergroup relationships
- Crystallographic projections
  - Applying symmetry to atoms
  - Generation of atomic positions revisited
- Space Groups
  - Introduction to translational symmetry
  - Reduction of infinite crystal structures and the asymmetric unit
  - The international tables of crystallography
- Crystals, Light, and Diffraction Theory
  - Crystals as a diffraction grating, the key for determining their atomic arrangement
  - Introduction to reciprocal space
  - In depth dissection of the diffraction pattern
  - Disorder in crystalline materials
- Structure Transitions
  - Crystallography relationships of space symmetry
  - Determining phase transition type and representative transformation matrix
  - Introduction to Landau Theory
  - Physical criterion for important phase transitions in Earth materials
  - Case study in Gismondine and Crystalline Silicotitanate

3.3. Laboratory Content Outline

- Structure visualization using modern crystal structure visualization software
- Structure identification using power X-ray diffraction pattern and RAMAN spectra
- Data conversion, unit cell and crystal structure refinement methods

3.4. Student expectations and requirements

Students will be expected to apply their newly developed skills to real crystallographic problems, and less emphasis will be placed on rote memorization. Student performance will be evaluated based on the combined lecture grade (worth 70% of their final grade) and laboratory grade (worth 30% of their final grade).

3.5. Tentative text and course materials

Required text: *Crystallography and Crystal Chemistry* by F. Donald Bloss. Mineralogical Society of America Monograph Series (1994).

Recommended text: *Fundamentals of Powder Diffraction and Structural Characterization of Materials* by V. K. Pecharsky and P. Y. Zavalij. Springer Publishing (2005).

4. Resources:

4.1. Library resources:

The course will make extensive use of online journal access to discuss the recent advancements and studies of crystal structures. The journals of Science Magazine, Nature, and the Journal of American Chemical Society to which WKU has online subscriptions, will be used as reading and discussion assignments. See attached Library Resources Form.

4.2. Experimental Equipment:

X-ray diffraction data will be collected on the in-house X-ray diffractometer at the Materials Characterization Center by the faculty instructor who has been approved as an operator.

4.3. Computer resources:

The computer resources available to the geosciences classrooms are currently sufficient for the estimated class sizes. All software is installed on the machines, and they are also freely downloadable from the internet for student and faculty use on their personal computers.

Current Software List: GSAS+EXPGUI, Fullprof Suite, ConvX, CrystalSlueth, and VESTA

5. Budget implications:

5.1. Proposed method of staffing

Existing faculty will teach this course.

5.2. Special equipment needed

No additional equipment will be required. X-ray diffraction and computer laboratories are already in place.

5.3. Expendable materials needed

No expendable materials will be used.

5.4. Laboratory supplies needed

Mineralogical samples will need to be purchased for students to hands on experience identifying and characterizing the atomic structure of unknown compounds. Laboratory fees will be assessed.

6. Effective Catalog Year: Fall 2008

Dates of committee approvals:

Geography and Geology Department	_____2/1/2008_____
OCSE Curriculum Committee	_____2/7/2008_____
University Curriculum Committee	_____2/28/08_____
University Senate	_____

Attachment: Library Bibliography, Resources Form, Course Inventory Form

Proposal Date: 2/07/2007

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

Contact Person: Shane M. Palmquist Shane.Palmquist@wku.edu 745-2919

1. Identification of program:

1.1 Current program reference number: 534
1.2 Current program title: Engineering-Civil
1.3 Credit hours: 136

2. Identification of the proposed program changes:

- Delete ME 362 Thermal-Fluid Science (4 hr)
- Add CE 341 UK-Fluid and Thermal Science (4 hr) or CE 342 WKU-Fluid and Thermal Science (4 hr)
- Add CE 373 UK-Structural Analysis (3 hr) as an alternative to CE 382 WKU-Structural Analysis (3 hr)
- Add CE 483 UK-Elementary Structural Design (3 hr) as an alternative to CE 482 WKU-Elementary Structural Design (3 hr)
- Add CE 310 Strengths of Materials Lab (1 hr) as a replacement for ME 331 Strengths of Materials Lab (1), which has been deleted
- Add EM 222 WKU-Statics (3 hr) as an alternative to EM 221 UK-Statics (3 hr)
- Add EM 303 WKU-Mechanics of Deformable Bodies (3 hr) as an alternative to EM 302 UK-Mechanics of Deformable Bodies (3 hr)

3. Detailed program description:

Current Classes	Credit Hours	Proposed Classes	Credit Hours
CE 175	2	CE 175	2
AMS 202	3	AMS 202	3
MATH 126	4.5	MATH 126	4.5
GEOG 111	3	GEOG 111	3
GEOG 113	1	GEOG 113	1
HIST 119 or 120	3	HIST 119 or 120	3
CE 160	3	CE 160	3
CE 161	1	CE 161	1
MATH 227	4.5	MATH 227	4.5
PHYS 250	3	PHYS 250	3
Current Classes	Credit Hours	Proposed Classes	Credit Hours
PHYS 251	1	PHYS 251	1
COMM 161	3	COMM 161	3
ENG 100	3	ENG 100	3
EM 221	3	**EM 221 or EM 222**	3
CE 303	3	CE 303	3
CE 304	1	CE 304	1
MATH 327	4	MATH 327	4

CHEM 120	3	CHEM 120	3
CHEM 121	2	CHEM 121	2
Category F	1	Category F	1
EM 302	3	**EM 302 or EM 303**	3
ME 331	1	**CE 310**	1
MATH 331	3	MATH 331	3
PHYS 260	3	PHYS 260	3
PHYS 261	1	PHYS 261	1
ENG 200	3	ENG 200	3
Category A-II	3	Category A-II	3
CE 382	**3**	**CE 382 or CE 373**	**3**
CE 410	3	CE 410	3
CE 411	1	CE 411	1
ME 362	**4**	**CE 341 or CE 342**	**4**
STAT 301	3	STAT 301	3
ENG 300	3	ENG 300	3
CE 316	3	CE 316	3
CE 331	3	CE 331	3
CE 370	2	CE 370	2
CE371	1	CE 371	1
CE 412	3	CE 412	3
Structures Elective*	**3**	**Structures Elective****	**3**
Technical Elective	3	Technical Elective	3
CE 400	1	CE 400	1
CE 351	3	CE 351	3
CE 461	3	CE 461	3
Technical Elective	3	Technical Elective	3
Category B-II	3	Category B-II	3
Category C	3	Category C	3
CE 498	3	CE 498	3
Technical Elective	3	Technical Elective	3
ECON 202	3	ECON 202	3
SFTY 171	1	SFTY 171	1
Category B-II	3	Category B-II	3
Category E	3	Category E	3

*To complete the structures elective, CE 482 Elementary Structural Design or CE 384 Reinforced Concrete Design must be taken. If CE 384 is chosen as the structures elective than CE 383 Steel Design must also be taken, which counts as a technical elective.

** To complete the structures elective, CE 482 WKU-Elementary Structural Design or CE 483 UK-Elementary Structural Design or CE 384 Reinforced Concrete Design must be taken. If CE 384 is chosen as the structures elective than CE 383 Steel Design must also be taken, which counts as a technical elective.

4. Rationale for the proposed program change:

Students in the civil engineering program are required to obtain 16 credit hours in the major from University of Kentucky (UK) faculty members via ITV courses. For the new iCAP system used by the Office of the Registrar for verification of degree

completion, each UK ITV course must have a unique course number so that the system can track the total number of ITV credits obtained.

The civil engineering faculty has renumbered and/or re-titled those courses that are offered at both UK and WKU to facilitate accurate iCAP record keeping. Henceforth, the program outline will state that students must complete a minimum of 16 credit hours of UK ITV courses from the following:

- EM 221 UK-Statics (3 hr)
- EM 302 UK-Mechanics of Deformable Bodies (3 hr)
- EM 313 UK-Dynamics (3 hr)
- CE 341 UK-Fluid and Thermal Science (4 hr)
- CE 373 UK-Structural Analysis (3 hr)
- CE 331 Transportation Engineering* (3 hr)
- CE 351 Intro to Environmental Engineering* (3hr)
- CE 483 UK-Elementary Structural Design (3 hr)
- CE 490 UK-CE Selected Topics* (3 hr)
- CE 491 UK-CE Selected Topics* (3 hr)

*May be taken more than once provided the topic is different.

5. Effective Catalog Year: Fall 2008

6. Dates of prior committee approvals:

Department of Engineering: _____12/07/2007_____

Ogden Curriculum Committee: _____2/07/2007_____

University Curriculum Committee: ____2/28/08_____

University Senate: _____

Attachment: Program Inventory Form

Proposal Date: 9-26-2007

Ogden College
Department of Architectural and Manufacturing Sciences
Proposal to Revise A Program
(Action Item)

Contact Person: H. Terry Leeper, terry.leeper@wku.edu, 745-5954

1. Identification of program:

1.1 Current program reference number: 506
1.2 Current program title: Advanced Manufacturing
1.3 Credit hours: 78.5

2. Identification of the proposed program changes: There are several changes that we want to implement:

- Reduce the total number of credit hours from 78.5 to 78
- Change Math requirement from 122 to Math 118 or Equivalent
- Remove AMS 140 from the major
- Remove AMS 175 from the major
- Moving AMS 328 from the Advanced Manufacturing Core to the Technical Core
- Moving AMS 371 from the Advanced Manufacturing Core to the Management Core
- Remove Advance Manufacturing Core and replace with concentrations
- Add concentrations as specified in item number 3
- Change Science Requirements as per concentrations
- Change number of advisor approved elective as per concentrations
- Adjust number of free electives based upon the number of general education hours to maintain 128 hour for graduation

3. Detailed program description:

3. Detailed program description continued:

Advanced Manufacturing (OLD) 78.5 hrs			**Advanced Manufacturing (NEW) 78 hrs Food Automation & Manufacturing**			**Advanced Manufacturing (NEW) 78 hrs Manufacturing & Industrial Distribution**			**Advanced Manufacturing (NEW) 78 hrs Quality Systems**		
Technical Core: 19.5 hrs			***Technical Core: 19.5 hrs***			***Technical Core: 19.5 hrs***			***Technical Core: 19.5 hrs***		
Introductory Accounting – Financial	ACCT200	3	Introductory Accounting – Financial	ACCT200	3	Introductory Accounting – Financial	ACCT200	3	Introductory Accounting – Financial	ACCT200	3
Basic Electricity	AMS120	3	Basic Electricity	AMS120	3	Basic Electricity	AMS120	3	Basic Electricity	AMS120	3
Architectural Drafting	AMS202	3	Architectural Drafting	AMS202	3	Architectural Drafting	AMS202	3	Architectural Drafting	AMS202	3
Industrial Statistics	AMS271	3	Industrial Statistics	AMS271	3	Industrial Statistics	AMS271	3	Industrial Statistics	AMS271	3
Internship I	AMS398	1.5	**Internship I**	**AMS398**	**1**	**Internship I**	**AMS398**	**1**	**Internship I**	**AMS398**	**1**
Senior Research	AMS490	3	Senior Research	AMS490	3	Senior Research	AMS490	3	Senior Research	AMS490	3
University Experience – AMS	**AMS175**	**2**									
Intro Occupational Safety	**AMS140**	**1**									
			Robotics and Machine Vision	**AMS328**	**3**	**Robotics and Machine Vision**	**AMS328**	**3**	**Robotics and Machine Vision**	**AMS328**	**3**
Management Core: 21 hrs			***Management Core: 24 hrs***			***Management Core: 24 hrs***			***Management Core: 24 hrs***		
Work Design/Ergonomics	AMS310	3	Work Design/Ergonomics	AMS310	3	Work Design/Ergonomics	AMS310	3	Work Design/Ergonomics	AMS310	3
Systems Design and Operation	AMS356	3	Systems Design and Operation	AMS356	3	Systems Design and Operation	AMS356	3	Systems Design and Operation	AMS356	3
Project Management	AMS390	3	Project Management	AMS390	3	Project Management	AMS390	3	Project Management	AMS390	3
Technology Mgt/Sup/Team Building	AMS430	3	Technology Mgt/Sup/Team Building	AMS430	3	Technology Mgt/Sup/Team Building	AMS430	3	Technology Mgt/Sup/Team Building	AMS430	3
Business Writing or Technical Writing	ENG306/307	3	Business Writing or Technical Writing	ENG306/307	3	Business Writing or Technical Writing	ENG306/307	3	Business Writing or Technical Writing	ENG306/307	3
Advanced Public Speaking	COMM345	3	Advanced Public Speaking	COMM345	3	Advanced Public Speaking	COMM345	3	Advanced Public Speaking	COMM345	3
Business Law	MGT301	3	Business Law	MGT301	3	Business Law	MGT301	3	Business Law	MGT301	3
			Quality Assurance	**AMS371**	**3**	**Quality Assurance**	**AMS371**	**3**	**Quality Assurance**	**AMS371**	**3**

Advanced Manufacturing Core: 29 hrs		
Materials Science I	**AMS 317**	**4**
Manufacturing Methods	**AMS327**	**4**
Manufacturing Operations	**AMS342**	**3**
Automated Systems	**AMS343**	**3**
Computer Numeric Control	**AMS370**	**3**
Robotics and Machine Vision	**AMS328**	**3**

Quality Assurance	**AMS371**	**3**									
Lean Manufacturing	**AMS394**	**3**									
Intro to Supply Chain Management	**AMS396**	**3**									
Advanced Manufacturing Elective: 9 hrs											
(Advisor Approved)											
			Food Automation & Manufacturing Conc: 35 hrs			***Manufacturing & Industrial Distribution Conc: 35 hrs***			***Quality Systems Conc: 35 hrs***		
			Science of Food	**AMS 301**	**3**	**Materials Science I**	**AMS317**	**4**	**Materials Science I**	**AMS317**	**4**
			Food Regulations	**AMS303**	**3**	**Manufacturing Methods**	**AMS327**	**4**	**Manufacturing Operations**	**AMS342**	**3**
			Manufacturing Operations	**AMS342**	**3**	**Manufacturing Operations**	**AMS342**	**3**	**Computer Numeric Control**	**AMS370**	**3**
			Automated Systems	**AMS343**	**3**	**Automated Systems**	**AMS343**	**3**	**Reliability & Probability**	**AMS391**	**3**
			Food Processing I	**AMS352**	**3**	**Computer Numeric Control**	**AMS370**	**3**	**Quality Management**	**AMS392**	**3**
			Food Manufacturing Quality & Safety	**AMS381**	**3**	**Lean Manufacturing**	**AMS394**	**3**	**Lean Manufacturing**	**AMS394**	**3**
			Quality Management	**AMS392**	**3**	**Intro to Supply Chain Management**	**AMS396**	**3**	**Design of Industrial Experiments**	**AMS471**	**3**
			Food Packaging	**AMS443**	**3**						
			Food Processing II	**AMS462**	**3**						
			Advisor Approved Electives		**8**	**Advisor Approved Electives**		**12**	**Advisor Approved Electives**		**13**
General Education (OLD) 46 hrs			**General Education (NEW) 47 hrs**			**General Education (NEW) 48 hrs**			**General Education (NEW) 46 hrs**		
Category A	ENG100	3	Category A	ENG100	3	Category A	ENG100	3	Category A	ENG100	3
	ENG300	3		ENG300	3		ENG300	3		ENG300	3
	Foreign Language	3		Foreign Language	3		Foreign Language	3		Foreign Language	3
	Public Speaking	3		Public Speaking	3		Public Speaking	3		Public Speaking	3
Category B	Literature Elective	3	Category B	Literature Elective	3	Category B	Literature Elective	3	Category B	Literature Elective	3
	Category B-II	3		Category B-II	3		Category B-II	3		Category B-II	3
	Category B-II	3		Category B-II	3		Category B-II	3		Category B-II	3
Category C	HIST119/120	3	**Category C**	HIST119/120	3	**Category C**	HIST119/120	3	**Category C**	HIST119/120	3
	ECON202	3		ECON202	3		ECON202	3		ECON202	3
	Category C	3		Category C	3		Category C	3		Category C	3
Category D	**MATH122**	**3**	Category D	**MATH118**	**5**	Category D	**MATH118**	**5**	Category D	**MATH118**	**5**
	CHEM116	**3**		**CHEM105**	**3**		**CHEM116**	**3**		**Category D-II**	**3**
	CHEM106	**1**		**BIO207**	**3**		**CHEM106**	**1**		**Category DI-1**	**3**
	PHYS201	**4**		**BIO208**	**1**		**PHYS201**	**4**			
Category E	Category E	3	Category E	Category E	3	Category E	Category E	3	Category E	Category E	3

Category F	SFTY171	1	Category F	SFTY171	1	Category F	SFTY171	1	Category F	SFTY171	1
	Category F	1		Category F	1		Category F	1		Category F	1
Electives			Electives			Electives			Electives		
Electives		4.5	**Electives**		**3**	Electives		2	Electives		4
	Program Grand Total			**Program Grand Total**			**Program Grand Total**			**Program Grand Total**	
Hours:	**129**		**Hours:**	**128**		**Hours:**	**128**		**Hours:**	**128**	

4. Rationale for the proposed program change:

The rational for the **Food Automation and Manufacturing Concentration** comes from a meeting held on March 29, 2007. On this date faculty in Architectural and Manufacturing Sciences department (AMS) from Western Kentucky University (WKU) met with several industry leaders from different Food Manufactures in the WKU service area. The purpose of this meeting was to look at the needs of developing a program in Food Automation and Manufacturing. At this initial meeting there were numerous topics that were discussed that should be included in this type of program. The faculty of AMS department have continued doing research into this program and gathered information via surveys to over 500 food processing facilities to find out more specifically what should be included in the proposed concentration. Faculty also attended a conference on food processing in Florida in April to discuss the types of courses that would be needed to develop this program with personnel currently working in the industry.

- Due to the geographic location and readily available workforce, this region of Kentucky is fast becoming attractive to food processing facilities. The workforce training needs that seems to be missing from this is the technically competent managerial professionals. These are the personnel that this program is focused on creating.

-The program will address scholarship by providing students the opportunity to work for companies and do real live applied research in the food processing fields. This experiences exist in this region in the form of companies such as J. M. Smucker, T Marzetti, Sara Lee Corp, Unilever, Specialty Foods, Tyson, Barton Brands, Inc, and Swedish Match.

The **Manufacturing and Industrial Distribution Concentration** remains unchanged and is a concentration under the Advanced Manufacturing major.

The rational for the **Quality Systems Concentration** comes from repeated requests by the Manufacturing Management Advisory Board to have an emphasis in quality for the Manufacturing Majors. This concentration fulfills this request.

5. Effective Catalog Year and special provisions (if applicable):

Fall 2008

6. Dates of prior committee approvals:

AMS Department/Division:	11-01-2007
OCSE Curriculum Committee	12-06-2007
University Curriculum Committee	2/28/08
University Senate	

Attachment: Program Inventory Form

Proposal Date: November 1, 2007

Ogden College of Science & Engineering
Department of Architectural & Manufacturing Sciences
Proposal to Revise A Program
(Action Item)

Contact Person: Name: Denise Gravitt email: denise.gravitt@wku.edu phone: 745-2176

1. Identification of program:

1.1 Current program reference number: 533
1.2 Current program title: Construction Management
1.3 Credit hours: 75.5

2. Identification of the proposed program changes:

Add new course AMS 262: Construction Laboratory

Delete course CM 339: Applied Strengths of Materials Lab

Revise program credit hour total to 75

3. Detailed program description:

3. Detailed program description:						
(Program Credit Hours)		129.5		129		
CONSTRUCTION MANAGEMENT (OLD)		75.5		75	CONSTRUCTION MANAGEMENT (NEW)	
Intro to Occupational Safety	AMS 140	1		1	AMS 140	Intro to Occupational Safety
Architectural Drafting	AMS 202	3		3	AMS 202	Architectural Drafting
Construction Methods & Materials	AMS 261	3		3	AMS 261	Construction Methods & Materials
				1	**AMS 262**	**Construction Laboratory**
Industrial Statistics	AMS 271	3		3	AMS 271	Industrial Statistics
Architectural Documentation	AMS 320	4		4	AMS 320	Architectural Documentation
Survey of Building Systems	AMS 325	3		3	AMS 325	Survey of Building Systems
Internship I	**AMS 398**	**1.5**		1	**AMS 398**	**Internship I**
Tech Mgmt/Supervision /Team Building	AMS 430	3		3	AMS 430	Tech Mgmt/Supervision /Team Building
Senior Research	AMS 490	3		3	AMS 490	Senior Research
Surveying I	CE 160	3		3	CE 160	Surveying I
Surveying I Lab	CE 161	1		1	CE 161	Surveying I Lab
Construction Mmgt.	CE 303	3		3	CE 303	Construction Mmgt.
Construction Mgmt. Lab	CE 304	1		1	CE 304	Construction Mgmt. Lab

Equipment & Methods	CE 316	3		3	CE 316	Equipment & Methods
Applied Statics	CM 227	3		3	CM 227	Applied Statics
Contract Documents	CM 250	3		3	CM 250	Contract Documents
Applied Strength of Materials	CM 337	3		3	CM 337	Applied Strength of Materials
Applied Strength of Materials Lab	**CM 339**	**1**		**1**	**CM 339**	**Applied Strength of Materials Lab**
Applied Soil Mechanics & Foundations	CM 346	3		3	CM 346	Applied Soil Mechanics & Foundations
Construction Estimating & Bidding	CM 363	3		3	CM 363	Construction Estimating & Bidding
Construction Administration	CM 400	3		3	CM 400	Construction Administration
Construction Law	CM 426	3		3	CM 426	Construction Law
Applied Structural Design	CM 447	3		3	CM 447	Applied Structural Design
Construction Scheduling	CM 462	3		3	CM 462	Construction Scheduling
Intro. Accounting Financial	ACCT 200	3		3	ACCT 200	Intro. Accounting Financial
Intro. Accounting Managerial	ACCT 201	3		3	ACCT 201	Intro. Accounting Managerial
MGT 305, 308, 312, 361; AMS 390	MGT Elective	3		3	MGT Elective	MGT 305, 308, 312, 361; AMS 390
Human Resources Management	MGT 311	3		3	MGT 311	Human Resources Management
GENERAL EDUCATION		46		46	GENERAL EDUCATION	
Category A				Category A		
	ENG 100	3		3	ENG 100	
	ENG 300	3		3	ENG 300	
	For. Lang.	3		3	For. Lang.	
COMM 161(145)	COMM	3		3	COMM	COMM 161(145)
Category B				Category B		
	ENG 200	3		3	ENG 200	
	AMS 180	3		3	AMS 180	
	PHIL 321	3		3	PHIL 321	
Category C				Category C		
	HIST 119 /120	3		3	HIST 119 /120	
	ECON 150	3		3	ECON 150	
	Cat. C Elective	3		3	Cat. C Elective	
Category D				Category D		
	CHEM 116	3		3	CHEM 116	
	CHEM106	1		1	CHEM106	
	PHYS 201	4		4	PHYS 201	

	MATH 122	3	3	MATH 122	
Category E			Category E		
	Cat. C Elective	3	3	Cat. E Elective	
Category F			Category F		
	SFTY 171	1	1	SFTY 171	
	Cat. F Elective	1	1	Cat. F Elective	
OTHER REQUIREMENTS		8	8	OTHER REQUIREMENTS	
University Experience/ AMS	AMS 175	2	2	AMS 175	University Experience/ AMS
Program Elective		3	3		Program Elective
Science Elective		3	3		Science Elective

4. **Rationale for the proposed program change:** Advisory Board input as well as input from past program graduates and their employers indicate a need for practical construction skills not currently being taught or demonstrated in the program. The new AMS 262 class will include these basic construction skills. In order to make room for the additional class without increasing the number of program credit hours, the laboratory course CM 339 will be deleted and those demonstrations will be included in other courses. AMS 398 is to be reduced from 1.5 credit hours to 1 credit hour which will reduce the number of program hours down from 129.5 to 129.

5. **Effective Catalog Year and special provisions:** Fall 2008

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

Architectural & Manufacturing Sciences Dept November 1, 2007

OCSE Curriculum Committee December 6, 2007

University Curriculum Committee _2/28/08_____

University Senate _____

Attachments: Program Inventory Form & #3.

Proposal Date: November 20, 2007

Ogden College of Science & Engineering
Department of Architectural & Manufacturing Sciences
Proposal to Revise A Program
(Action Item)

Contact Person: Name: Denise Gravitt email: denise.gravitt@wku.edu phone: 745-2176

1. Identification of program:

1.1 Current program reference number: 343
1.2 Current program title: Construction Management Minor
1.3 Credit hours: 21

2. Identification of the proposed program changes:

Add new courses AMS 262 to list of required courses.

3. Detailed program description:

3. Detailed program description:						
(Program Credit Hours)		13(14)		14(15)		
CONSTRUCTION MANAGEMENT MINOR (OLD)					CONSTRUCTION MANAGEMENT MINOR (NEW)	
Construction Methods & Materials	AMS 261	3		3	AMS 261	Construction Methods & Materials
				1	AMS 262	Construction Laboratory
Construction Management	CE 303	3		3	CE 303	Construction Management
Construction Management Lab	CE 304	1		1	CE 304	Construction Management Lab
Construction Estimating & Bidding	CM 363	3		3	CM 363	Construction Estimating & Bidding
(Or Construction Schedule Estimating)	CE 360/ 361	4		4	CE 360/ 361	(Or Construction Schedule Estimating)
Construction Scheduling	CM 462	3		3	CM 462	Construction Scheduling
GENERAL EDUCATION		0		0		GENERAL EDUCATION
OTHER REQUIREMENTS						OTHER REQUIREMENTS
Only 9 hrs can be duplicated in students major						Only 9 hrs can be duplicated in students major
Remaining hrs to be selected in Consultation with the minor advisor		8(7)		7(6)		Remaining hrs to be selected in Consultation with the minor advisor
Grand Total Semester Hours		21		21		Grand Total Semester Hours

4. **Rationale for the proposed program change:** AMS 262 was added as a corequisite to AMS 261 in a separate curricular change. AMS 261 is a required course in the minor, thus we needed to add AMS 262 as a required course in the minor as well.

5. **Effective Catalog Year and special provisions:** Fall 2008

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

Architectural & Manufacturing Sciences Dept____11/20/2007_

Ogden College Curriculum Committee 12/6/2007_____

University Curriculum Committee ____2/28/08_____

University Senate _____

Attachments: Program Inventory Form.