UNIVERSITY CURRICULUM COMMITTEE
WESTERN KENTUCKY UNIVERSITY

REPORT TO THE SENATE:

DATE: April 2, 2007
FROM: Julie Shadoan, Chair

The University Curriculum Committee submits the following items from the March 27, 2007, meeting for approval by the University Senate:

NOTE: Proposals marked with an "*" were action items by the UCC and are consent items for the Senate. All other items are information items only.

I. UCC Subcommittee/Steering:

Revision of Guidelines/Proposal Forms for New Undergraduate Program Proposals*

II. Potter College of Arts & Letters:

A. One Time Only Course

ANTH 449, Ethnographic Video Production
SPAN 485, Medical Interpreting
RELS 410, American Religious Diversity
THEA 230, Stage Combat I
THEA 250, Stage Electrics
THEA 255, Stage Management
THEA 350, Stage Sound Design I
THEA 451, Acting as a Profession
DANC 350, Dance History

B. Course Deletion

BCOM 404, Professional Media Roles
BCOM 435, Computer Graphics and Electronics Art
JOUR 437, Electronic Photo/Editing Design

C. Revision of Program

REF #358, Film Studies (minor)*
REF #665, French (major)*
REF #683, German (major)*
REF #778, Spanish (major)*

D. Revision of Academic Policy

Honors Program*

III. College of Education and Behavioral Sciences:

A. Revision of Course Catalog Listing

PSY 421, Psychology of Early Adolescence

B. Revision of Course Title

PSY 450, Introduction to Personality Theories

C. Revision of Course Prereqs/Coreqs

ELED 345, Teaching Strategies for Elem. Teachers
ELED 355, Student Diversity in the Classroom
ELED 365, Teaching Strategies II
ELED 407, Materials and Methods in Social Studies
ELED 345, Teaching Strategies for Elem. Teachers I
ELED 405, Teaching Mathematics in the Elem. School
ELED 406, Teaching Science in the Elem. School
ELED 465, Senior Projects in the Elem. School
MGE 490, Student Teaching

D. Creation of New Course:

MGE 385, Middle Grades Teaching Strategies*

E. Multiple Revisions to Course:

ELED 300, Investigations in Elem. Ed.*

F. Revision of Program:

REF #579, Middle Grades Ed.*

IV. College of Health and Human Services:

A. Creation of New Course:

DH 330, Clinical Teaching I*
DH 340, Clinical Teaching II*
DH 350, Clinical Teaching III*

B. Revision of Program:

REF #524, B.S. in Dental Hygiene*
REF #587, B.S. in Physical Education*

C. Creation of New Program:

REF #___, Exercise Science*

V. Gordon Ford College of Business:

A. Revision of Course Credit Hours:

CIS 141*

B. Revision of Program:

REF #723, Management*
REF #413, Marketing Minor*
REF #173, Leadership Studies (Certificate)*

C. Revision of Academic Policy:

Catalog Statement of Admission Policy

VI. Bowling Green Community College:

A. Deletion of a Course:

NUR 101C, Nursing Fundamentals
NUR 109C, Maternal/Mental Health Nursing
NUR 224C, Nursing Care of Adults and Children I
NUR 225C, Nursing Care of Adults and Children II

B. Suspension of a Course:

SAFE 120C, Intro. To Occupational Safety and Health
SAFE 171C, Safety and First Aid
SAFE 221C, Safety and Health Standards, Codes and Regs
SAFE 270C, General Safety
SAFE 271C, Emergency Care and Transport

C. Multiple Revisions of a Course

BUS 200C, Principles of Management*
BUS 230C, Internship (Business)*

VII. Ogden College of Science and Engineering

A. One-Time only Course:

MATH 141, Mathematics for Architectural and

Manufacturing Sciences

B. Change Course Prefix:

SEC to AMS (multiple courses)

C. Revision of Course Number:

AMS 300, Investigations in Secondary Education
AMS 364, Methods in Vocational Education
AMS 365, Foundations of Ind., Voc. and Career Ed.
AMS 366, Instructional Media and Curriculum in Ind., Voc., and Career Ed.
AMS 370, Workshop in Vocational Ed. Classroom/Lab.
AMS 463, Supervised Student Teaching in Voc., Ind., and Tech. Ed.

D. Deletion of a Course:

EE 250, Fund. Of Electrical Engineering
CE 416, Construction Adm.
CET 216, Surveying I
CET 218, Lab Surveying I
CET 316, Surveying II
CET 318, Lab Surveying II
CET 326, Intro. to Constr. Management
CET 338, Materials of Construction
CET 346, Soil Mechanics
CET 348, Lab Soil Mechanics
CET 356, Structural Analysis & Design I
CET 366, Constr. Equipment and Methods
CET 376, Drainage Design
CET 386, Constr. Estimating & Bid
CET 416, Surveying III
CET 418, Lab Surveying III
CET 436, Construction Administration
CET 456, Struct. Analysis & Design
CET 475, Selected Topics in CET
CET 476, Construction Contracts & Specs
CET 498, CET Senior Project

E. Deletion of a Program:

REF #535, Civil Engineering Tech.*

F. Revision of Course Prereqs/Coreqs:

ASTR 405, Astronomy for Teachers
PHYS 410, Physics for Teachers

G. Multiple Revisions to a Course:

EE 330, Intro. To Power Systems*
EE 430, Power Systems II*
PHYS 250, University Physics I*
PHYS 251, Lab. For University Physics I*
PHYS 260, University Physics II*
PHYS 261, Lab. For University Physics II*

H. Creation of New Course:

EE 350, Fund. of Electrical Engineering*
EE 405, EE Senior Research Seminar*
EE 443, Microfabrication and MEMS*
ME 180, Freshmen Design II*
ME 494, WKU ME Selected Topics*
ME 495, WKU ME Selected Topics*
ASTR 108, Descriptive Astronomy*
PHYS 180, Intro. To Modern Physics*
PHYS 181, Lab for Intro. To Modern Physics*
PHYS 255, University Physics I*
PHYS 256, Lab for University Physics I*
PHYS 265, University Physics II*
PHYS 266, Lab for University Physics II*

I. Revision of Program:

REF #537, Electrical Engineering*
REF #543, Mechanical Engineering*
REF #754, Physics*

UCC GUIDELINES REVISION PROPOSAL

Proposals to Create New Undergraduate Major Program

A. CPE Posting Requirement*:*

The procedure for creating a new major program differs from other curricular change procedures in that the former is reviewed by persons/entities outside the Western Kentucky University community in addition to the appropriate departments, colleges, University Curriculum Committee, the University Senate, the Provost and the Board of Regents.

Specifically, information about all proposed new major programs must be posted on the Council for Postsecondary Education (CPE) website and made available for review and comment by faculty and administrators at other institutions in the state. CPE posting is intended to encourage dialog and possible collaborations with other post-secondary institutions in Kentucky in the formative stages of the program development.

Proponents of new undergraduate programs at Western Kentucky University are encouraged to post new program information for CPE review at the earliest possible date. The proponent must accomplish CPE posting by forwarding new program information in the appropriate format via MS Word file to: Dr. Dawn Bolton, Office of Academic Affairs (dawn.bolton@wku.edu), OR other designated person. The proponent must be able to document contact with the Office of Academic Affairs regarding CPE posting PRIOR to submission of the program proposal to the University Curriculum Committee.

B. Other Requirements:

1. The New Major Program form is used to create a new major in associate and baccalaureate degree programs. Proposals to create new minors, concentrations or tracks, certificate programs or other non-degree programs require different proposal templates.

2. Proposals to create new major programs are **ACTION ITEMS** on the UCC agenda.

3. Each proposal to create a new major program must be accompanied by a completed Program Inventory From. Proposals submitted without this form will not be considered by the UCC and will be returned to the proponent.

4. If the proposed program includes courses offered by another department/unit, the head of that department/unit should be consulted regarding staffing and other resources.

5. The reference number for the new major program will be assigned by the Registrar AFTER the program receives final approval.

6. New students can not be enrolled in the new major program prior to final approval.

C. New Major Program Proposal Form Guidelines:

Identification of proposed program:

Item 1.3: the CIP code for the proposed major program MUST be obtained from the Office of the Vice President for Academic Affairs.

Item 1.5: should include any special information about the proposed major program, such as that it is interdisciplinary, will be administered in college dean's office, is intended for a particular population of students, etc.

Item 1.6: should list and describe any major program admission or transfer criteria; standards or procedures that are more specific than institution-wide admission or transfer criteria, standards or procedures; provisions for advanced placement; etc. For proposed majors in baccalaureate degree programs, provide a Two-Plus-Two plan for transferring credits from Kentucky Community and Technical College System (KCTCS) institutions (see www.kctcs.org for more details).

Item 1.7: should be written in complete sentences, include the total number of hours required, distinguish among core, elective, and restricted elective courses, and indicate the suggested sequence of courses. Additional relevant information may be included.

Rationale

Item 2.1: justification for developing the proposed major program should include the following:

·What primary or secondary data from employers or other groups document the need for the program and its graduates (e.g., workforce data at the national, state, and local levels; surveys; focus group reports; reports from relevant professional, scholarly, civic, or government groups; and input from students, alumni, or external advisory boards)?

·What opportunities exist for program graduates?

·What is the importance of scholarship in the program to state and national needs, such as extramural funding programs?

·How does the program address the CPE's key indicators and five questions (see below for details)?

Are more Kentuckians ready for postsecondary education?

Are more students enrolling?

Are more students advancing through the system?

Are we preparing Kentuckians for life and work?

Are Kentucky's communities and economy benefiting?

·What societal trends or changes in the academic discipline suggest a need for this proposed program?

·How might the proposed program provide service to students in other programs?

Proposal authors should consult the KPPPS website (http://apps.cpe.ky.gov/kppps/) for a more detailed description of what is required in a needs analysis.

Item 2.2: should state the basis for the projected enrollment in the proposed major program as well as the projection itself. To meet CPE standards, majors in associate and baccalaureate degree programs must average at least 12 graduates per year over a five-year period.

Item 2.3: should describe how the proposed program is related to other programs in the departments involved. What similarities are there, and how would the proposed program, if approved, be different from existing programs in the departments? It is not sufficient to state that there is not another program like the proposed program.

Item 2.4: should describe steps taken to insure that there is no significant overlap with other university programs. What similarities are there, and how would the proposed program, if approved, provide knowledge and skills not available in programs offered elsewhere in the university?

Item 2.5: should describe similar programs offered at other in-state schools and benchmark schools.

·If the proposed program appears to be unique, why does WKU need it when other institutions do not offer it? For example, is it on the "cutting edge" in the discipline? Will it give an advantage in recruiting students or in preparing students for employment or advanced study?

·What efforts have been undertaken to explore collaboration (e.g., resource sharing, distance learning, student placement) with other programs, institutions, or agencies in the state? For additional information about collaborative agreements, contact the Office of the Vice President for Academic Affairs

Item 2.6: Resources for completing this item include the university's mission and vision statements and/or various strategic planning documents.

Objectives of the proposed program

Item 3 should describe how completion of the proposed program will affect a student's education and potential employment. What set of skills and areas of knowledge will a student who completes this proposed program have? What are measurable outcomes of student learning?

Program description

Item 4.1: should provide a complete description of the curriculum of the proposed program, including the total number of hours required; core, elective and restricted elective courses; required or recommended General Education courses; etc. Course titles and credit hours should be included, as well as an indication of which courses are new.

If **item 4.2** does not apply, write "Not applicable."

Resources

Item 5.1: should describe the qualifications of current faculty members and adjunct faculty, where and how teaching assistants and field supervisors will be used in the program, and the number and qualifications of new faculty needed immediately and in the next five years.

PROPOSAL FORM (Revised 1/07)

Proposal Date:

Enter College Name Here
Department of _____
Proposal to Create a New Undergraduate Major Program
(Action Item)

Contact Person: Name, email, phone

1. Identification of program:

1.1 Program title:
1.2 Degree:
1.3 Classification of Instructional Program Code (CIP):
1.4 Required hours in proposed major program:
1.5 Special information:
1.6 Program admission requirements:
1.7 Catalog description:

2. Rationale:

2.1 Reason for developing the proposed major program:
2.2 Projected enrollment in the proposed major program:
2.3 Relationship of the proposed major program to other programs now offered by the department:
2.4 Relationship of the proposed major program to other university programs:
2.5 Relationship of the proposed major program to similar programs offered elsewhere in Kentucky and in other states (including programs at benchmark institutions):
2.6 Relationship of the proposed major program to the university mission and objectives:

3. Objectives of the proposed major program:

4. Program description:

4.1 Curriculum:
4.2 Accreditation, certification, approval, and/or licensure:
4.3 Program delivery:

5. Resources:

5.1 Faculty:
5.2 Technological and electronic informational resources (e.g., databases, e-journals)
5.3 Facilities and equipment:

6. Proposed term for implementation:

7. Dates of prior committee approvals:

_____Department/Division: _____

_____Curriculum Committee _____

Contact with the Office of Academic Affairs re: CPE Posting _____

Professional Education Council (if applicable) _____

General Education Committee (if applicable) _____

University Curriculum Committee _____

University Senate _____

Potter College of Arts & Letters
Western Kentucky University
745-2345

REPORT TO THE UNIVERSITY CURRICULUM COMMITTEE

Date: March 27, 2007

The Potter College of Arts & Letters submits the following items for consideration:

Type of Item	Description of Item & Contact Information
Information	One Time Only Course Offering (Spring 2008) ANTH 449 Ethnographic Video Production Contact: Michael Ann Williams Michael.Williams@wku.edu x 55898
Information	One Time Only Course Offering (Summer 2007) SPAN 485 Medical Interpreting Contact: Carol Wilkerson Carol.Wilkerson@wku.edu x 52401
Information	One Time Only Course Offering (Fall 2007) RELS 410 American Religious Diversity Contact: Arvin Vos Arvin.Vos@wku.edu X 55749
Information	One Time Only Course Offering (Fall 2007) THEA 230 Stage Combat I Contact: Scott Stroot Scott.Stroot@wku.edu x 55845
Information	One Time Only Course Offering (Fall 2007) THEA 250 Stage Electrics Contact: Scott Stroot Scott.Stroot@wku.edu x 55845
Information	One Time Only Course Offering (Fall 2007) THEA 255 Stage Management Contact: Scott Stroot Scott.Stroot@wku.edu x 55845
Information	One Time Only Course Offering (Fall 2007) THEA 350 Stage Sound Design I Contact: Scott Stroot Scott.Stroot@wku.edu x 55845
Information	One Time Only Course Offering (Fall 2007) THEA 451 Acting as a Profession Contact: Scott Stroot Scott.Stroot@wku.edu x 55845
Information	One Time Only Course Offering (Fall 2007) DANC 350 Dance History Contact: Scott Stroot Scott.Stroot@wku.edu x 55845
Consent	Delete Course

	BCOM 404 Professional Media Roles Contact: Jo-Anne Ryan Jo-Anne.Ryan@wku.edu x 53828
Consent	Delete Course BCOM 435 Computer Graphics and Electronics Art Contact: Jo-Anne Ryan Jo-Anne.Ryan@wku.edu x 53828
Consent	Delete Course JOUR 437 Electronic Photo/Editing Design Contact: Jo-Anne Ryan Jo-Anne.Ryan@wku.edu x 53828
Action	Revise Program 358 Film Studies (minor) Contact: Ted Hovet Ted.Hovet@wku.edu x 55782
Action	Revise Program 665 French (major) Contact: Carol Wilkerson Carol.Wilkerson@wku.edu x 52401
Action	Revise Program 683 German (major) Contact: Carol Wilkerson Carol.Wilkerson@wku.edu x 52401
Action	Revise Program 778 Spanish (major) Contact: Carol Wilkerson Carol.Wilkerson@wku.edu x 52401
Action	Revise Academic Policy Honors Program Contact: Craig Cobane or Jerry Daday Craig.Cobane@wku.edu or Jerry.Daday@wku.edu x 52081 or x 58764

Proposal Date: 2/9/07

Potter College of Arts and Letters
School of Journalism & Broadcasting
Proposal to Delete a Course
(Consent Item)

Contact Person: Jo-Anne Ryan e-mail: jo-anne.ryan@wku.edu Phone: 5-3828

1. Identification of course

1.1 Course prefix and number: BCOM 404
1.2 Title: Professional Media Roles
1.3 Credit hours: 3

2. Rationale for the course deletion: This course is no longer listed as a required course in the Mass Communication major. It has not been offered for over five years.

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

None

4. Proposed term for implementation: summer 2007

5. Dates of prior committee approvals:

School of Journalism & Broadcasting 2/16/07

Potter College Curriculum Committee 3/l/07

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 2/9/07

Potter College of Arts and Letters
School of Journalism & Broadcasting
Proposal to Delete a Course
(Consent Item)

Contact Person: Jo-Anne Ryan e-mail: jo-anne.ryan@wku.edu Phone: 5-3828

1. Identification of course

1.1 Course prefix and number: BCOM 435
1.2 Title: Computer Graphics and Electronics Art
1.3 Credit hours: 3

2. Rationale for the course deletion:

This course was cross-listed with the Department of Art. The Art dept. has deleted the course from the inventory.

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

None

4. Proposed term for implementation: summer 2007

5. Dates of prior committee approvals:

School of Journalism & Broadcasting 2/16/07

Potter College Curriculum Committee 3/1/07

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 2/9/07

Potter College of Arts and Letters
School of Journalism & Broadcasting
Proposal to Delete a Course
(Consent Item)

Contact Person: Jo-Anne Ryan e-mail: jo-anne.ryan@wku.edu Phone: 5-3828

1. Identification of course

1.1 Course prefix and number: JOUR 437
1.2 Title: Electronic Photo Editing/Design
1.3 Credit hours: 3

2. Rationale for the course deletion:

This course has not been offered for over five years and is not an elective or requirement in the Photojournalism Major.

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

None

4. Proposed term for implementation: summer 2007

5. Dates of prior committee approvals:

School of Journalism & Broadcasting _____2/16/07_____

Potter College Curriculum Committee _____3/1/07_____

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Potter College of Arts, Humanities, and Social Sciences
Minor in Film Studies
Proposal to Revise a Program
Action Item

Contact Person: Ted Hovet, ted.hovet@wku.edu, 745-5782

1. Identification of program

1.1 Reference number: 358 Film Studies

1.2 Current program title: Minor in Film Studies

1.3 Credit hours: 21

2. Identification of the proposed changes:

Addition of a two elective classes: ENG 368 Japanese Cinema in Translation and PS 303 Politics and Cinema

3. Detailed program description (all courses are 3 hours):

A.	**Current Program (358 Film Studies) Minor in Film Studies**		**B.**	**Proposed Program (358 Film Studies) Minor in Film Studies**	
	Required (9 hours)			**Required (9 hours)**	
BCOM 271	Introduction to Cinema		BCOM 271	Introduction to Cinema	
ENG 366	History of Narrative Film		ENG 366	History of Narrative Film	
ENG 465	Film Genres		ENG 465	Film Genres	
	Electives (12 hours)			**Electives (12 hours)**	
ENG 309	Writing for the Documentary		ENG 309	Writing for the Documentary	
BCOM 378	Film Animation		BCOM 378	Film Animation	
BCOM 481	Problems in Mass Communications/Film		BCOM 481	Problems in Mass Communications/Film	
THEA 303	Acting for the Camera		THEA 303	Acting for the Camera	
ANTH 448	Visual Anthropology		ANTH 448	Visual Anthropology	
BCOM 350	Screenwriting		BCOM 350	Screenwriting	
SPAN 490	Hispanic Cinema		SPAN 490	Hispanic Cinema	
ENG 365	Literature and Film		ENG 365	Literature and Film	
ENG	Film Theory		ENG	Film Theory	

466			466		
GERM 437	German Literature and Film		GERM 437	German Literature and Film	
FREN 450	Topics in Francophone Cinema		FREN 450	Topics in Francophone Cinema	
ENG 499	Directed Study		ENG 499	Directed Study	
			ENG 368	**Japanese Cinema in Translation**	
			PS 303	**Politics and Cinema**	

4. Rationale for proposed program revisions:

This proposal seeks to add two additional classes to the list of electives in the minor. Both of these classes have already been approved by the UCC and offered by its home department. Each course enhances the film minor, which strives to give students an opportunity to study various aspects of film in an organized, in-depth manner. ENG 368, which will also be added to the Asian Studies minor, is the first film studies course at WKU to focus exclusively on a non-Western country thus adding diversity and a more global scope to the minor. PS 303 will be the first course from the Political Science department included in the minor, thus expanding its interdisciplinary nature by providing students another methodological lens through which to study cinema.

5. Proposed term for implementation and special provisions:

Fall 2007.

6. Dates of prior committee approvals:

Minor in Film Studies 2/01/07

Potter College Curriculum Committee 3/01/07

University Curriculum Committee _____

University Senate _____

Proposal Date: February19, 2007

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

Contact Person: Carol Wilkerson carol.wilkerson@wku.edu 745-2401

1. **Identification of program:**
   - 1.1 Current program reference number: 665
   - 1.2 Current program title: French major
   - 1.3 Credit hours: 36

2. **Identification of the proposed program changes:**
   Requirement of foreign language methods course (MLNG 474, Teaching Foreign Language), second language acquisition course, (MLNG 410, Second Language Acquisition), Oral Proficiency Interview, and specific upper-division courses.

3. **Detailed program description (all courses are 3 hours except SEC 490 which is 10 hours):**

A.	Current Program (665 French Major)		B.	Proposed Program (665 French Major)	
FREN 101	Elementary French I		FREN 101	Elementary French I	
FREN 102	Elementary French II		FREN 102	Elementary French II	
FREN 201	Intermediate French I		FREN 201	Intermediate French I	
FREN 202	Intermediate French II		FREN 202	Intermediate French II	
FREN 320 or FREN 420	French Grammar & Composition Advanced French Composi-tion & Stylistics		FREN 320 or FREN 420	French Grammar & Composition Advanced French Composition & Stylistics	
FREN 321 or FREN 421	French Conversation Advanced French Conversation		FREN 323	French Civilization & Culture	
FREN 323	French Civilization & Culture		***FREN 421***	***Advanced French Conversation***	
	Upper division lit course			Upper division lit course	
	Total hours: 24			*Total hours: 24*	
Electives	4 courses at 300- or 400-level		*Electives*	*4 courses at 300- or 400-level*	
	Total hours: 12			*Total hours: 12*	
	Professional Ed Coursework:			Professional Ed Coursework:	
EDU 250	Introduction to Teacher Ed		EDU 250	Introduction to Teacher Ed	
PSY 310	Educational Psychology: Development and Learning		**EXED 330**	**Introduction to Exceptional Child Ed: Diversity in Learning**	
SEC 351	Teaching Strategies for Secondary Schools		PSY 310	Educational Psychology: Development and Learning	
SEC 453	Management of		SEC 351	Teaching Strategies for	

	Instruction			Secondary Schools	
MLNG/SEC 474	Teaching Foreign Language		SEC 453	Management of Instruction	
EDU 489	Student Teaching Seminar		**MLNG**	***Second Language Acquisition***	
SEC 490	Student Teaching		**MLNG**	***Teaching Foreign Language***	
	Total hours: 28		EDU 489	Student Teaching Seminar	
			SEC 490	Student Teaching	
				Total hours: 34	
				Students must take the official Oral Proficiency Interview (OPI) given by the American Council on the Teaching of Foreign Languages (ACTFL).	

4. Rationale for the proposed program change:

- Review of program and program assessment data by program faculty showed that students needed specific guidance as to upper-level courses.
- Professional standards in education emphasize the importance for all teacher candidates to have a course addressing the needs of diverse learners (EXED 330).
- Recent changes in NCATE and PRAXIS Exams require a course addition (MLNG 410) and outside evaluation of student oral proficiency (OPI).
- The foreign language methods course (MLNG 474, Teaching Foreign Language) is not an addition to the program rather it has moved from Secondary Education (SEC ED 474).

5. Proposed term for implementation and special provisions (if applicable):
Fall 2007

6. Dates of prior committee approvals:

Department of Modern Languages November 3, 2006

Potter College Curriculum Committee March 1, 2007

Professional Education Council March 7, 2007

University Curriculum Committee _____

University Senate _____

Attachment: Program Inventory Form

Proposal Date: February19, 2007

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

Contact Person: Carol Wilkerson carol.wilkerson@wku.edu 745-2401

1. Identification of program:

1.1 Current program reference number: 683
1.2 Current program title: German major
1.3 Credit hours: 36

2. Identification of the proposed program changes:
Requirement of foreign language methods course (MLNG 474, Teaching Foreign Language), second language acquisition course, (MLNG 410, Second Language Acquisition), Oral Proficiency Interview, and specific upper-division courses.

4. Detailed program description (all courses are 3 hours except SEC 490 which is 10 hours):

A.	Current Program (683 German Major)		B.	Proposed Program (683 German Major)	
GERM 101	German I: Fundamental Communication		GERM 101	German I: Fundamental Communication	
GERM 102	German II: Social Communication		GERM 102	German II: Social Communication	
GERM 201	German III: Cultural Communication		GERM 201	German III: Cultural Communication	
GERM 202	The German-Speaking Lands		GERM 202	The German-Speaking Lands	
GERM 330	German Composition and Conversation		**GERM 314**	**Introduction to German Literature**	
GERM 335	Contemporary Culture and Civilization		GERM 330	German Composition and Conversation	
	Total hours: 18		GERM 335	Contemporary Culture and Civilization	
			GERM 430	**Advanced German Stylistics**	
				Total hours: 24	
Electives:	6 courses at 300 or 400-level		Electives:	4 courses & 300 or 4000-level	
	Total hours: 18			***Total hours: 12***	
	Professional Ed Coursework:			Professional Ed Coursework:	
EDU 250	Introduction to Teacher Ed		EDU 250	Introduction to Teacher Ed	
PSY 310	Educational Psychology:		**EXED 330**	**Introduction to Exceptional Child Ed:**	

	Development and Learning			**Diversity in Learning**	
SEC 351	Teaching Strategies for Secondary Schools		PSY 310	Educational Psychology: Development and Learning	
SEC 453	Management of Instruction		SEC 351	Teaching Strategies for Secondary Schools	
MLNG/SEC 474	Teaching Foreign Language		SEC 453	Management of Instruction	
EDU 489	Student Teaching Seminar		**MLNG**	***Second Language Acquisition***	
SEC 490	Student Teaching		**MLNG**	***Teaching Foreign Language***	
	Total hours: 28		EDU 489	Student Teaching Seminar	
			SEC 490	Student Teaching	
				Total hours: 34	
				Students must take the official Oral Proficiency Interview (OPI) given by the American Council on the Teaching of Foreign Languages (ACTFL).	

4. Rationale for the proposed program change:

- Review of program and program assessment data by program faculty showed that students needed specific guidance as to upper-level courses.
- Professional standards in education emphasize the importance for all teacher candidates to have a course addressing the needs of diverse learners (EXED 330).
- Recent changes in NCATE and PRAXIS Exams require a course addition (MLNG 410) and outside evaluation of student oral proficiency (OPI).
- The foreign language methods course (MLNG 474, Teaching Foreign Language) is not an addition to the program rather it has moved from Secondary Education (SEC ED 474).

5. Proposed term for implementation and special provisions (if applicable):
Fall 2007

6. Dates of prior committee approvals:

Department of Modern Languages — November 3, 2006

Potter College Curriculum Committee — March 1, 2007

Professional Education Council — March 7, 2007

University Curriculum Committee _____

University Senate _____

Attachment: Program Inventory Form

Proposal Date: February19, 2007

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

Contact Person: Carol Wilkerson carol.wilkerson@wku.edu 745-2401

1. **Identification of program:**
   1.1 Current program reference number: 778
   1.2 Current program title: Spanish major
   1.3 Credit hours: 36

2. **Identification of the proposed program changes:**
   Requirement of foreign language methods course (MLNG 474, Teaching Foreign Language), second language acquisition course, (MLNG 410, Second Language Acquisition), Oral Proficiency Interview, and specific upper-division courses.

5. **Detailed program description (all courses are 3 hours except SEC 490 which is 10 hours):**

A.	Current Program (778 Spanish Major)		B.	Proposed Program (778 Spanish Major)	
SPAN 101	Elementary Spanish I		SPAN101	Elementary Spanish I	
SPAN 102	Elementary Spanish II		SPAN 102	Elementary Spanish II	
SPAN 201	Intermediate Spanish I		SPAN 201	Intermediate Spanish I	
SPAN 202	Intermediate Spanish II		SPAN 202	Intermediate Spanish II	
SPAN 370	Spanish Conversation		SPAN 370	Spanish Conversation	
SPAN 371	Spanish Composition & Grammar		SPAN 371	Spanish Conversation & Grammar	
SPAN 372 or SPAN 373	Latin American Civilization & Culture or Spanish Civilization & Culture		SPAN 372 or SPAN 373	Latin American Civilization & Culture or Spanish Civilization & Culture	
SPAN 374 or SPAN 376	Literature & Culture of Spain or Literature & Culture of Latin America		SPAN 374 or SPAN 376	Literature & Culture of Spain ***or*** Literature & Culture of Latin America	
	Total hours: 24		***SPAN 470***	***Advanced Oral Spanish***	
				Total hours: 27	
Electives:	4 courses at 300 or 400-level		Electives:	3 courses & 300 or 4000-level	
	Total hours: 12			***Total hours: 9***	
	Professional Ed Coursework:			Professional Ed Coursework:	
EDU 250	Introduction to Teacher Ed		EDU 250	Introduction to Teacher Ed	

PSY 310	Educational Psychology: Development and Learning		**EXED 330**	**Introduction to Exceptional Child Ed: Diversity in Learning**	
SEC 351	Teaching Strategies for Secondary Schools		PSY 310	Educational Psychology: Development and Learning	
SEC 453	Management of Instruction		SEC 351	Teaching Strategies for Secondary Schools	
MLNG/SEC 474	Teaching Foreign Language		SEC 453	Management of Instruction	
EDU 489	Student Teaching Seminar		**MLNG**	***Second Language Acquisition***	
SEC 490	Student Teaching		**MLNG**	***Teaching Foreign Language***	
	Total hours: 28		EDU 489	Student Teaching Seminar	
			SEC 490	Student Teaching	
				Total hours: 34	
				Students must take the official Oral Proficiency Interview (OPI) given by the American Council on the Teaching of Foreign Languages (ACTFL).	

4. Rationale for the proposed program change:

- Review of program and program assessment data by program faculty showed that students needed specific guidance as to upper-level courses.
- Professional standards in education emphasize the importance for all teacher candidates to have a course addressing the needs of diverse learners (EXED 330).
- Recent changes in NCATE and PRAXIS Exams require a course addition (MLNG 410) and outside evaluation of student oral proficiency (OPI).
- The foreign language methods course (MLNG 474, Teaching Foreign Language) is not an addition to the program rather it has moved from Secondary Education (SEC ED 474).

5. Proposed term for implementation and special provisions (if applicable):
Fall 2007

6. Dates of prior committee approvals:

Department of Modern Languages November 3, 2006

Potter College Curriculum Committee March 1, 2007

Professional Education Council	March 7, 2007
University Curriculum Committee	_____
University Senate	_____

Attachment: Program Inventory Form

Proposal Date: Tuesday, February 20, 2007

Potter College of Arts and Letters
Western Kentucky University Honors Program
Proposal to Revise an Academic Policy
(Action Item)

Contact Person:	Dr. Craig T. Cobane	or	Dr. Jerry Daday
	Director of Honors Program		Dept of Sociology
	Craig.cobane@wku.edu		jerry.daday@wku.edu
	745-2081		745-8764

1. Identification of proposed policy revision:

Students currently enrolled at WKU and who have completed at least 16 credit hours can apply to the Honors Program if they have a GPA of 3.2. The Honors Development Board (HDB), a group of faculty representing all of the colleges on the main campus, would like to increase the GPA requirement to a 3.5 and to implement a minimum ACT score of 22 for students who have completed at least 16 college credit hours and who would like to apply to the Honors Program. If students with at least 16 college credit hours do not meet these requirements, they can formally petition the HDB for admission into the program. The petition process would include a one-page statement asking students to discuss the strengths they would bring to the Honors Program. The petition process will also require students to submit a resume of their activities.

We are submitting this proposed policy change to the Potter College Curriculum Committee because the Potter College of Arts and Letters has the largest representation of Honors Students on the WKU campus. Also, the Honors Program has a long history of using the Potter College Curriculum Committee.

2. Catalog statement of existing policy:

Page 264: "For students with at least 16 hours of college credit, a 3.2 college grade point average is required for admission."

3. Catalog statement of proposed policy:

"For students with at least 16 hours of college credit, a 3.5 cumulative grade point average and a minimum ACT score of 22 (minimum SAT equivalent of 1020) is required for admission. Students who do not meet these minimum requirements may petition the Honors Development Board to consider their application for admission."

4. Rationale for proposed policy revision:

The current minimum requirements for high school students applying to Honors Program are a 3.5 high school GPA and a minimum ACT score of 25 (or a minimum 1250 SAT score). If a high school student has either a 3.75 high school GPA or a minimum ACT score of 28, he/she may also apply to the program.

We are proposing the change described in Item 3 to make the Honors Program entry requirements similar for new Freshman, students currently enrolled at WKU, and for transfer students from other institutions.

5. Impact of proposed policy revision on existing academic or non-academic policies:

The proposed change will primarily affect the Honors Program and should have minimal affect on other academic or non-academic policies. If this proposed change is accepted and adopted, the Honors Program will have consistent entry requirements for all students who apply to the program.

Current college students wishing to apply to the program will be required to demonstrate a higher level of performance with the increased GPA requirement. However, with the petition policy, students who do not meet the proposed minimum requirements may apply to the Honors Program by filling a petition to the Honors Development Board. This will ensure that all qualified students receive fair consideration during the application process.

6. Proposed term for implementation:

This change would be implemented in the fall semester of 2007. Students who have completed a minimum of 16 credit hours and who apply to the Honors Program after Monday August 27, 2007, will need to meet these proposed requirements.

7. Dates of prior committee approvals:

Honors Program Department/Division:	January 25, 2007
Potter College Curriculum Committee	March 1, 2007
University Curriculum Committee (Academic Policy Subcommittee)	March 19, 2007
University Curriculum Committee	_____
University Senate	_____

College of Education and Behavioral Sciences (CEBS)
Office of the Dean
54662

REPORT TO THE UNDERGRADUATE CURRICULUM COMMITTEE

Date: March 8, 2007

The following items are being forwarded for the March 27, 2007 meeting:

Type of Action	Description of Item and Contact Information
Consent	Action: Revise Course Catalog Listing Item: PSY 421, Psychology of Early Adolescence Contact person: Martin Bink Email: marty.bink@wku.edu Phone: 5-2353
Consent	Action: Revise Course Title Item: PSY 450, Introduction to Personality Theories Contact person: Martin Bink Email: marty.bink@wku.edu Phone: 5-2353
Consent	Action: Revise Course Prerequisites/Corequisites Item: ELED 345, Teaching Strategies for Elementary Teachers I Contact person: Tabitha Daniel Email: tabitha.daniel@wku.edu Phone: 5-2615
Consent	Action: Revise Course Prerequisites/Corequisites Item: ELED 355, Student Diversity in the Classroom Contact person: Tabitha Daniel Email: tabitha.daniel@wku.edu Phone: 5-2615
Consent	Action: Revise Course Prerequisites/Corequisites Item: ELED 365, Teaching Strategies II Contact person: Tabitha Daniel Email: tabitha.daniel@wku.edu Phone: 5-2615
Consent	Action: Revise Course Prerequisites/Corequisites Item: ELED 407, Materials and Methods in Social Studies Contact person: Tabitha Daniel Email: tabitha.daniel@wku.edu Phone: 5-2615

Type of Action	Description of Item and Contact Information
Consent	Action: Revise Course Prerequisites Item: ELED 345, Teaching Strategies for Elementary Teachers 1 Contact person: Tabitha Daniel Email: tabitha.daniel@wku.edu Phone: 5-2615
Consent	Action: Revise Course Prerequisites Item: ELED 405, Teaching Mathematics in the Elementary School Contact person: Tabitha Daniel Email: tabitha.daniel@wku.edu Phone: 5-2615
Consent	Action: Revise Course Prerequisites Item: ELED 406, Teaching Science in the Elementary School Contact person: Tabitha Daniel Email: tabitha.daniel@wku.edu Phone: 5-2615
Consent	Action: Revise Course Prerequisites Item: ELED 465, Senior Projects in the Elementary School Contact person: Tabitha Daniel Email: tabitha.daniel@wku.edu Phone: 5-2615
Consent	Action: Revise Course Prerequisites Item: MGE, 490, Student Teaching Contact person: Terrence McCain Email: terry.mccain@wku.edu Phone: 5-6055
Action	Action: Create a New Course Item: MGE 385, Middle Grades Teaching Strategies Contact person: Terrence McCain Email: terry.mccain@wku.edu Phone: 5-6055
Action	Action: Make Multiple Revisions to a Course Item: ELED 300, Investigations in Elementary Education Contact person: Tabitha Daniel Email: tabitha.daniel@wku.edu Phone: 5-2615
Action	Action: Revise a Program Item: 579, Middle Grades Education Contact person: Tabitha Daniel Email: tabitha.daniel@wku.edu Phone: 5-2615

Proposal Date: 15.January.2007

College of Education and Behavioral Science
Department of Psychology
Proposal to Revise Course Catalog Listing
(Consent Item)

Contact Person: Martin Bink, marty.bink@wku.edu, 5-2353

1. Identification of course:

1.1 Course prefix (subject area) and number: PSY 421
1.2 Course title: Psychology of Early Adolescence
1.3 Credit hours: 3

2. Current course catalog listing:

Development of theories, research, and literature relating to the early adolescent. A course for students planning to meet middle school certification requirements. Either PSY 421 or PSY 422, but not both, may be taken to satisfy requirements of the psychology major or minor. PSY 421 may not be used to satisfy the Developmental Course Category restricted elective requirement for the major.

3. Proposed course catalog listing:

Focuses on theory and research related to cognitive, personality, and social development in early adolescence. Theories are applied to important developmental contexts such as peers, families, and learning environments. Designed for students planning to meet middle grades certification requirements. Either PSY 421 or PSY 422, but not both, may be taken to satisfy the requirements of the psychology major or minor. PSY 421 may not be used to satisfy the Developmental Course Category restricted elective requirement for the major.

4. Rationale for revision of the course catalog listing:

The Undergraduate Curriculum Committee of the Department of Psychology feels this change is more descriptive of the actual content of the course and uses current language in the field.

5. Proposed term for implementation: Fall 2007

6. Dates of prior committee approvals:

Department of Psychology: 1/26/2007

CEBS Curriculum Committee: 2/6/2007

Professional Education Council: 2/14/2007

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 15.January.2007

College of Education and Behavioral Science
Department of Psychology
Proposal to Revise Course Title
(Consent Item)

Contact Person: Martin Bink, marty.bink@wku.edu, 5-2353

1. Identification of course:

1.1 Current course prefix (subject area) and number: PSY 450
1.2 Course title: Introduction to Personality Theories
1.3 Credit hours: 3

2. Proposed course title: Psychology of Personality

3. Proposed abbreviated course title: Psychology of Personality
(max. of 30 characters including spaces)

4. Rationale for the revision of course title:
The new course title is consistent with the naming scheme for other Departmental courses (e.g., Psychology of Motivation and Emotion, Psychology of Learning). In addition, the Committee feels that the inclusion of "Introduction" in the title is inappropriate for a 400-level class, in general, and this course in particular. All courses in Psychology are based on research and theories. Thus, there is no need to express this fact in the title of this course and this course alone.

5. Proposed term for implementation: Fall 2007

6. Dates of prior committee approvals:

Department of Psychology: 1/26/2007

CEBS Curriculum Committee: 2/9/2007

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 1-25-2007

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

Contact Person: Tabitha Daniel, Tabitha.daniel@wku.edu, 7452615

1. Identification of course:

1.1 Course prefix (subject area) and number: ELED 345
1.2 Course title: Teaching Strategies for Elementary Teachers I
1.3 Credit hours: 3

2. Current prerequisites/co requisites:
Prerequisites: EDU 250 and PSY 310 with a grade of "C" or higher; a passing score on specified standardized instrument and admission to Teacher Education pending.
Co requisite: ELED 355

3. Proposed prerequisites/co requisites/special requirements:
Prerequisites: EDU 250 and PSY 310 with a grade of "C" or higher; a passing score on specified standardized instrument; and admission to Teacher Education pending.
Prerequisite or Co requisite: EXED 330

4. Rationale for the revision of prerequisites/co requisites/special requirements:
ELED 355 *Student Diversity in the Classroom* is being moved into the Elementary Block I experience with the ELED 407 *Social Studies* and ELED 365 *Teaching Strategies for Elementary Teachers II.* ELED 345 *Teaching Strategies for Elementary Teachers I* will be a stand alone course and will not be part of the pre-block experience with ELED 355. EXED 330 will be a pre or co requisite so students will have the content before the ELED 355 *Diversity in the Classroom* Class.

5. Effect on completion of major/minor sequence:
No effect

6. Proposed term for implementation:
Summer 2007

7. Dates of prior committee approvals:

Department of Curriculum and Instruction	1-25-2007
CEBS Curriculum Committee	2-6-07
Professional Education Council	2-14-07
University Curriculum Committee	
University Senate	

Proposal Date: 1-25-2007

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

Contact Person: Tabitha Daniel, Tabitha.daniel@wku.edu, 7452615

1. Identification of course:

1.1 Course prefix (subject area) and number: ELED 355
1.2 Course title: Student Diversity in the Classroom
1.3 Credit hours: 3

2. Current prerequisites/co requisites:
Prerequisites: EDU 250, and PSY 310 with a grade of "C" or higher; a passing score on specified standardized instrument and admission to Teacher Education pending.
Co requisite: ELED 345

3. Proposed prerequisites/co requisites/special requirements:
EDU 250, PSY 310, EXED 330 and ELED 345 with a grade of "C" or higher; a passing score on specified standardized instrument; and admitted to Teacher Education.
Co requisites: ELED 407 and 365

4. Rationale for the revision of prerequisites/co requisites/special requirements:
ELED 355 *Student Diversity in the Classroom* is being moved into the Elementary Block I experience with the ELED 407 *Social Studies* and ELED 365 *Teaching Strategies for Elementary Teachers II.* Faculty determined that this sequence of courses would better prepare teacher candidates for the more diverse classrooms of today.

5. Effect on completion of major/minor sequence:
No effect

6. Proposed term for implementation:
Fall 2007

7. Dates of prior committee approvals:

Department of Curriculum and Instruction	1-25-2007
CEBS Curriculum Committee	2-6-07
Professional Education Council	2-14-07
University Curriculum Committee	_____
University Senate	_____

Proposal Date: 1-25-2007

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

Contact Person: Tabitha Daniel, Tabitha.daniel@wku.edu, 745-2615

1. Identification of course:

1.1 Course prefix (subject area) and number: ELED 365
1.2 Course title: Teaching Strategies II
1.3 Credit hours: 3

2. Current prerequisites/corequisites:

Prerequisites: LTCY 320, ELED 345 and ELED 355 with a grade of "C" or higher; admitted to Teacher Education

Corequisites: LTCY 420, ELED 407

3. Proposed prerequisites/corequisites:

Prerequisites: EXED 330 and ELED 345 with a grade of "C" or higher; and admitted to Teacher Education.

Corequisites: ELED 355 and ELED 407

4. Rationale for the revision of prerequisites/co requisites:

ELED 355 *Student Diversity in the Classroom* is being moved into the Elementary Block I experience with the ELED 407 *Social Studies* and ELED 365 *Teaching Strategies for Elementary Teachers II.* Faculty determined that this sequence of courses would better prepare teacher candidates for the more diverse classrooms of today.
LTCY 420 Materials and Methods for Reading Instruction is now a "stand-alone" course.

5. Effect on completion of major/minor sequence:

No effect

6. Proposed term for implementation:

Fall 2007

7. Dates of prior committee approvals:

Department of Curriculum and Instruction	1-25-2007
CEBS Curriculum Committee	2-6-07
Professional Education Council	2-14-07
University Curriculum Committee	
University Senate	

Proposal Date: 1-25-2007

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

Contact Person: Tabitha Daniel, Tabitha.daniel@wku.edu, 745-2615

1. Identification of course:

1.1 Course prefix (subject area) and number: ELED 407
1.2 Course title: Materials and Methods in Social Studies
1.3 Credit hours: 3

2. Current prerequisites/corequisites:

Prerequisites: LTCY 320, ELED 345 and ELED 355 with a grade of "C" or higher; admitted to Teacher Education, completion of the General Education Category "C" Social and Behavioral Science courses.

Corequisites: LTCY 420, ELED 365

3. Proposed prerequisites/corequisites:

Prerequisites: EXED 330 and ELED 345 with a grade of "C" or higher; admitted to Teacher Education; and completion of the General Education Category "C" Social and Behavioral Science courses.

Corequisites: ELED 355 and 365

4. Rationale for the revision of prerequisites/corequisites:

ELED 355 *Student Diversity in the Classroom* is being moved into the Elementary Block I experience with the ELED 407 *Social Studies* and ELED 365 *Teaching Strategies for Elementary Teachers II.* Faculty determined that this sequence of courses would better prepare teacher candidates for the more diverse classrooms of today.
LTCY 420 Materials and Methods for Reading Instruction is now a "stand-alone" course.

5. Effect on completion of major/minor sequence:

No effect

6. Proposed term for implementation:

Fall 2007

7. Dates of prior committee approvals:

Department of Curriculum and Instruction	1-25-2007
CEBS Curriculum Committee	2-6-07
Professional Education Council	2-14-07
University Curriculum Committee	
University Senate	

Proposal Date: 02/22/07

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

Contact Person: Tabitha Daniel, Tabitha.daniel@wku.edu, 745-2615

1. Identification of course:

1.1 Course prefix (subject area) and number: ELED 345
1.2 Course title: Teaching Strategies for Elementary Teachers I
1.3 Credit hours: 3

2. Current prerequisites/corequisites:

Prerequisites: EDU 250 and PSY 310 with a grade of "C" or higher; a passing score on specified standardized instrument and admission to Teacher Education pending.
Prerequisite or Corequisite: EXED 330

3. Proposed prerequisites/corequisites:

Prerequisites: EDU 250 and PSY 310 with a grade of "C" or higher; a passing score on specified standardized instrument; **overall GPA of 2.5 or higher**; and admission to Teacher Education pending
Prerequisite or Corequisite: EXED 330

4. Rationale for the revision of prerequisites:

In order to be admitted to Teacher Education a student has to have achieved a 2.5 or higher GPA. However, every semester there are students with insufficient GPAs enrolling in ELED 345, taking spaces away from other students who have already met the GPA requirement for admission to Teacher Education. Because there is more student demand for ELED 345 than there are available slots, the faculty would like to give the slots to the students who are most likely to qualify for admission to the program. Therefore, the faculty are proposing that to enroll in the course, students will have to have a high enough GPA to qualify for admission to Teacher Education.

5. Effect on completion of major/minor sequence:

No effect

6. Proposed term for implementation:

Summer 2007

7. Dates of prior committee approvals:

Department of Curriculum and Instruction	2-23-2007
CEBS Curriculum Committee	3-6-07
Professional Education Council	3-7-07
University Curriculum Committee	

University Senate

Proposal Date: 1-25-2007

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

Contact Person: Tabitha Daniel, Tabitha.daniel@wku.edu, 7452615

1. Identification of course:

1.1 Course prefix (subject area) and number: ELED 405
1.2 Course title: Teaching Mathematics in the Elementary School
1.3 Credit hours: 3

2. Current prerequisites/co requisites:

Prerequisites: Math 211, Math 212, LTCY 420, ELED 365 and ELED 407 with a grade of "C" or higher; admitted to Teacher Education.
Corequisites: ELED 406 and 465

3. Proposed prerequisites/co requisites/special requirements:

Prerequisites: MATH 212; LTCY 420, ELED 355, 365, and 407 with grades of "C" or higher; completion of General Education Category D1 Science courses; and admitted to Teacher Education.
Corequisites: ELED 406 and 465

4. Rationale for the revision of prerequisites:

ELED 355 *Student Diversity in the Classroom* is being moved into the Elementary Block I experience with the ELED 407 *Social Studies* and ELED 365 *Teaching Strategies for Elementary Teachers II.* Faculty determined that this sequence of courses would better prepare teacher candidates for the more diverse classrooms of today.
The revised Block I courses ELED 355, 365 and 407 are now prerequisites for the Block II courses of ELED 405, 406, and 465.

5. Effect on completion of major/minor sequence:

No effect

6. Proposed term for implementation:

Fall 2007

7. Dates of prior committee approvals:

Department of Curriculum and Instruction	1-25-2007
CEBS Curriculum Committee	2-6-07
Professional Education Council	2-14-07
University Curriculum Committee	
University Senate	

Proposal Date: 1-25-2007

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

Contact Person: Tabitha Daniel, Tabitha.daniel@wku.edu, 7452615

1. Identification of course:

1.1 Course prefix (subject area) and number: ELED 406
1.2 Course title: Teaching Science in the Elementary School
1.3 Credit hours: 3

2. Current prerequisites/corequisites:
Prerequisites: Math 211, Math 212, LTCY 420, ELED 365 and ELED 407 with a grade of "C" or higher; completion of General Education Category D1 Science courses; admitted to Teacher Education.
Corequisites: ELED 405 and ELED 465

3. Proposed prerequisites/co requisites/special requirements:
Prerequisites: MATH 212; LTCY 420; ELED 355, 365, and 407 grades of "C" or higher; completion of General Education Category D1 Science courses; and admitted to Teacher Education.
Corequisites: ELED 405 and ELED 465

4. Rationale for the revision of prerequisites:
ELED 355 *Student Diversity in the Classroom* is being moved into the Elementary Block I experience with the ELED 407 *Social Studies* and ELED 365 *Teaching Strategies for Elementary Teachers II.* Faculty determined that this sequence of courses would better prepare teacher candidates for the more diverse classrooms of today.
The revised Block I courses ELED 355, 365 and 407 are now prerequisites for the Block II courses of ELED 405, 406, and 465.

5. Effect on completion of major/minor sequence:
No effect

6. Proposed term for implementation:
Fall 2007

7. Dates of prior committee approvals:

Department of Curriculum and Instruction	1-25-2007
CEBS Curriculum Committee	2-6-07
Professional Education Council	2-14-07
University Curriculum Committee	
University Senate	

Proposal Date: 1-25-2007

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

Contact Person: Tabitha Daniel, Tabitha.daniel@wku.edu, 7452615

1. Identification of course:

1.1 Course prefix (subject area) and number: ELED 465
1.2 Course title: Senior Projects in the Elementary School
1.3 Credit hours: 3

2. Current prerequisites/corequisites:

Prerequisites: Math 211, Math 212, LTCY 420, ELED 365, ELED 407, with a grade of "C" or higher; completion of General Education Category D1 Science courses ;admitted to Teacher Education.
Corequisite: ELED 405 and ELED 406

3. Proposed prerequisites/corequisites:

Prerequisites: MATH 212; LTCY 420; ELED 355, 365, and 407 with grades of "C" or higher; completion of General Education Category D1 Science courses; and admitted to Teacher Education.
Corequisites: ELED 405 and ELED 406

4. Rationale for the revision of prerequisites:

ELED 355 *Student Diversity in the Classroom* is being moved into the Elementary Block I experience with the ELED 407 *Social Studies* and ELED 365 *Teaching Strategies for Elementary Teachers II.* Faculty determined that this sequence of courses would better prepare teacher candidates for the more diverse classrooms of today.
The revised Block I courses ELED 355, 365 and 407 are now prerequisites for the Block II courses of ELED 405, 406, and 465.

5. Effect on completion of major/minor sequence:

No effect

6. Proposed term for implementation:

Fall 2007

7. Dates of prior committee approvals:

Department of Curriculum and Instruction	1-25-2007
CEBS Curriculum Committee	2-6-07
Professional Education Council	2-14-07
University Curriculum Committee	
University Senate	

Proposal Date: 02/23/07

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

Contact Person: Dr. Terrence McCain, terry.mccain@wku.edu 270-745-6055

1. Identification of course:

1.1 Course prefix (subject area) and number: MGE 490
1.2 Course title: Student Teaching
1.3 Credit hours: 5 or 10 hours

2. Current prerequisites and co-requisite:
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 prerequisite and co-requisites:
Prerequisites: Admission to Teacher Education; overall GPA of 2.5 or higher; and completion of all professional education and content courses with grades of "C" or higher.
Co-requisite: EDU 489

4. Rationale for the revision of prerequisites/co-requisites/special requirements:
The faculty believe that grades of "C' or higher should be required not only in the professional education courses but also in the content courses so that students will have a stronger knowledge base in the content areas that they are teaching.

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

6. Proposed term for implementation: The requirement of grades of "C" or higher in professional education courses is not changed, so it is effective immediately. The requirement of grades of "C" or higher in content courses will affect students who declare the major in Middle Grades Education beginning Fall, 2007 and thereafter.

7. Dates of prior committee approvals:

Department of Curriculum and Instruction	02/23/07
CEBS Curriculum Committee	03/06/07
Professional Education Council	03/07/07
University Curriculum Committee	
University Senate	

Proposal Date: 2-06-07

College of Education and Behavioral Sciences
Department of Curriculum and Instruction
Proposal to Create a New Course
(Action Item)

Contact Person: Terrence McCain, Ph.D. terry.mccain@wku.edu 745-6055

1. Identification of proposed course:

1.1 MGE 385
1.2 Course title: Middle Grades Teaching Strategies
1.3 Abbreviated course title: MGE Teaching Strategies
1.4 Credit hours and contact hours: 3
1.5 Type of course: (L) Lecture
1.6 Prerequisite: MGE 275
1.7 Course catalog listing:
Emphasizes the demonstration of generic teaching strategies and communication skills related to middle grades education and the integration of content methodologies, including classroom management practices and multicultural awareness through interdisciplinary /cooperative planning. Field experiences in public schools and/or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites.

2. Rationale:

2.1 Reason for developing the proposed course:
The undergraduate degree program in Middle Grades Education at Western Kentucky University is designed to prepare pre-service teachers who will demonstrate skills needed to match instruction with individual needs of early adolescent learners. Specifically, undergraduates will be expected to demonstrate critical performances involving lesson planning, video taped teaching of early adolescents, KTIP self evaluation, interdisciplinary unit planning, and professional portfolio development. Students expressed a need to have this learning opportunity before they enrolled in their area methods courses. This course will fill the gap that students were experiencing in the program by addressing these issues before students enroll in their area methods courses. The proposed course will replace MGE 485 in the program.

2.2 Projected enrollment in the proposed course:
Based on recent enrollments and growth in the Middle Grades Program, 40 students are expected to enroll in this course. This includes off campus ITV students.

2.3 Relationship of the proposed course to courses now offered by the department:
The proposed course will replace the present course (MGE 485) in the sequence of courses. Students will be required to have completed MGE 275 *Foundations of Middle Grades Instruction* before enrolling in MGE 385. MGE 385 will be a prerequisite to MGE 474-481, the Middle Grades Content Area Teaching courses. The proposed course is similar to ELED 345 *Teaching Strategies for Elementary Teachers* and SEC 351 *Teaching Strategies for Secondary Schools* in that teaching strategies, instructional delivery, and assessment are included in the course.

2.4 Relationship of the proposed course to courses offered in other departments:
The proposed course is also similar to IECE 494 *Advanced Curriculum Development for Young Children* in the Department of Special Instructional Programs; ART 311 *Foundations of Art Education and Methods I* in the Department of Art, MUS 312 *Teaching Music in the Primary Grades*, CFS 381 *Methods and Materials in Family and Consumer Sciences Education*, and other methods courses in various departments. All of these courses address teaching strategies, instructional delivery, and assessment, but each is targeted toward a specific population of students.

2.5 Relationship of the proposed course to courses offered in other institutions:
Eight other colleges and universities in the state of Kentucky offer Middle Grade Education programs of study. The proposed course is similar to Eastern Kentucky University's EMG 430 and Northern Kentucky University's EDU 318, and EDU 345-347 methods courses.

3. Discussion of proposed course:

3.1 Course objectives:
Skill levels for students regarding the Kentucky New Teacher Standards involve primarily application and analysis.
Students will be able to:

- Design and plan instruction, including identifying behavioral objectives, and using interdisciplinary themes.
- Challenge learners in a supportive manner, select media rich materials and respond to diverse student needs.
- Link learning with prior knowledge and model concepts to be learned.
- Use multiple assessment strategies.
- Accurately analyze lesson effectiveness and evaluate the effects of learning experiences for all students.
- Articulate personal strengths and priorities for growth.
- Communicate knowledge of the Kentucky Core Content, Program of Studies, and connect knowledge to real life situations.
- Demonstrate knowledge of the use of technology and use technology to support instruction.

3.2 Content outline:

Lecture, cooperative, group work, fieldwork, class discussion, and technology lab activities will be utilized to engage students in the following topics:

- Planning strategies for diverse learners
- Collaborating with colleagues to integrate content
- Professional standards and ethics
- Technology as a classroom tool
- Performance assessment
- Interdisciplinary unit plan
- KTIP lesson planning
- Self evaluation
- Professional development
- Teaching early adolescents

3.3 Student expectations and requirements:
Assessment of student learning will be based on a combination of assignments and exams, including the following:

- Authentic Planning and Assessment Strategies for Diverse Learners (lesson Planning)
- Interdisciplinary Unit Plan / Collaboration project
- Field Experience Journal
- Professional Growth Plan
- Teacher Work Sample – three sections
- Exams midterm and final

3.4 Tentative texts and course materials:
Required Texts:

Henson, Kenneth T. (2004) *Constructivist Teaching Strategies for Diverse Middle Level Classrooms.* Boston, MA Allyn and Bacon.

Kentucky Department of Education (2006). *Program of studies, core content for assessment, & academic expectations.* Frankfort, KY: Author.

Kentucky Department of Education (2006). *New teacher standards.* Frankfurt, KY: Author.

4. Resources:

4.1 Library resources: Adequate

4.2 Computer resources: The College of Education and Behavioral Sciences has adequate computer resources for faculty and student support

5. Budget implications:

5.1 Proposed method of staffing:
Faculty in Curriculum and Instruction (MGE) will teach this course

5.2 Special equipment needed:
No special equipment is needed for this course

5.3 Expendable materials needed:
No expendable materials will be needed for this course

5.4 Laboratory materials needed:
No laboratory supplies are needed for this course

6. Proposed term for implementation: Fall, 2007

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

Department of Curriculum and Instruction	10-27-06
CEBS Curriculum Committee	2-6-07
Professional Education Council	2-14-07
University Curriculum Committee	_____

University Senate _____

Proposal Date: 11/08/06

College of Education and Behavioral Sciences
Department of Curriculum and Instruction
Proposal to Make Multiple Revisions to a Course
(Action Item)

Contact Person: Dr. Tabitha Daniel, tabitha.daniel@wku.edu, 745-2615

1. Identification of course:

1.1 Current course prefix (subject area) and number: ELED 300
1.2 Course title: Investigations in Elementary Education
1.3 Credit hours: 1-3

2. Revise course prefix:

2.1 Current prefix: ELED
2.2 Proposed prefix: EDU
2.3 Rationale for revision of prefix: Elementary Education used to be a separate department from Middle Grades and Secondary Education, so separate versions of some courses were created in the two departments. Now, however, the departments have been combined into the Department of Curriculum and Instruction, and there is no need to have separate courses for independent study credit. Use of the EDU prefix will indicate that the course is appropriate for students in any of the three programs (Elementary, Middle, or Secondary Education), as well as for students in Business and Marketing Education, Exceptional Education, and Interdisciplinary Early Childhood Education.

3. Revise course title:

3.1 Current course title: Investigations in Elementary Education
3.2 Proposed course title: Investigations in Education
3.3 Proposed abbreviated title: Investigations in Education
3.4 Rationale for revision of course title: The proposed title will be consistent with the intention to have the course serve students from all undergraduate teacher preparation programs.

4. Revise course number:

4.1 Current course number: 300
4.2 Proposed course number: 400
4.3 Rationale for revision of course number: Independent study projects in education are more appropriate after students have completed at least some of the courses required for the major. However, all or most of the required courses in the various teacher preparation programs are presently numbered above 300. Renumbering this course will communicate that students should be ready for senior-level course work before beginning independent study projects. Also, program faculty intend that this course will be used by education students in the Honors Program who will be completing Honors Capstone Experiences. For this reason, a course number at the 400-level, indicating that it is for advanced undergraduate students, seems more appropriate.

5. Revise course catalog listing:

5.1 Current course catalog listing:

Individual investigations of methods and materials, curriculum problems, the elementary school, and other areas of need or interest related to elementary education.

5.2 Proposed course catalog listing: Individual investigations of methods and materials, curriculum problems, or other topics related to professional education.

5.3 Rationale for revision of course catalog listing: The proposed description will be consistent with the intention to have the course serve students from any undergraduate teacher preparation program.

6. Revise course credit hours:

6.1 Current course credit hours: 1-3

6.2 Proposed course credit hours: 1-3; may be repeated five times for a maximum of 6 credit hours

6.3 Rationale for revision of course credit hours: This course will be used by students in the Honors Program who will be completing Honors Capstone Experiences. Because the Honors Capstone Experience requirement is 6 hours, the course needs to be changed to allow students to enroll more than once and earn up to 6 hours of credit.

7. Proposed term for implementation: Summer 2007

8. Dates of prior committee approvals:

Department of Curriculum and Instruction:	1-25-07
CEBS Curriculum Committee	2-6-07
Professional Education Council	2-14-07
University Curriculum Committee	_____
University Senate	_____

Approval Date: 2-6-07

College of Education and Behavioral Sciences
Department of Curriculum and Instruction
Proposal to Revise a Program
(Action Item)

Contact Person: Dr. Tabitha Daniel e-mail: tabitha.daniel@wku.edu phone: 5-2615

1. Identification of Program

1.1 Reference Number: 579
1.2 Current Program Title: Middle Grades Education
1.3 Credit Hours: 34-37 hours of professional Education plus 24-36 hours of content course work

2. Identification of the proposed change:

- Substitute MGE 385 Middle Grades Teaching Strategies for MGE 485 Middle Grades Teaching Strategies as a required course in the professional education category of the program.

3. Detailed program description:

Current Program:	Proposed Program:
Professional Education (34-37 hours)	Professional Education (34-37 hours)
MGE 275 Middle Grades Foundations (3)	MGE 275 Middle Grades Foundations (3)
PSY 310 Educational Psychology (3)	PSY 310 Educational Psychology (3)
EXED 330 Intro. To Special Ed: Diversity in Lrng (3)	EXED 330 Intro. To Special Ed: Diversity in Lrng(3)
LTCY 421 Reading in the Middle Grades (3)	LTCY 421 Reading in the Middle Grades (3)
PSY 421 Psy of Early Adolescence (3)	PSY 421 Psy of Early Adolescence (3)
MGE 474-481 Content Methodologies (3-6)	MGE 474-481 Content Methodologies (3-6)
MGE 485 Middle Grades Teaching Strategies (3)	**MGE 385 Middle Grades Teaching Strategies (3)**
EDU 489 Student Teaching Seminar (3)	EDU 489 Student Teaching Seminar (3)
MGE 490 Student Teaching (10)	MGE 490 Student Teaching (10)
Content Courses (24-36 hours)	Content Courses (24-36 hours)
Program total: 58-73	**Program total: 58-73**

4. Rational for proposed program revisions:

Students and faculty in Middle Grades Education expressed their concerns that team planning, classroom management, and diversity awareness, were areas that were needed before methods courses. The proposed change for requiring MGE 385 as a prerequisite for Middle Grades Education methods courses aligns the WKU program with similar programs nationally.

5. Proposed term for implementation and special provisions:

Term: Fall 2007

6. Date of prior committee approvals:

Department of Curriculum and Instruction	01/26/07
CEBS Curriculum Committee	2/6/07

Professional Education Council	2-14-07
University Curriculum Committee	_____
University Senate	_____

College of Health and Human Services (CHHS)

Office of the Dean
58912

REPORT TO THE UNDERGRADUATE CURRICULUM COMMITTEE

Date: March 9, 2007
The following items are being forwarded for consideration at the March 27, 2007 Meeting:

Type of Item	**Description of Item and Contact Information**
Action Item	Create New Course DH 330: Clinical Teaching I Contact: Lynn Austin lynn.austin@wku.edu 5-3827
Action Item	Create New Course DH 340: Clinical Teaching II Contact: Lynn Austin lynn.austin@wku.edu 5-3827
Action Item	Create New Course DH 350: Clinical Teaching III Contact: Lynn Austin lynn.austin@wku.edu 5-3827
Action Item	Revise a Program Ref. No. 524: B.S. in Dental Hygiene Contact: Lynn Austin lynn.austin@wku.edu 5-3827
Action Item	Create a New Major Program Exercise Science Contact: Scott Lyons scott.lyons@wku.edu 5-6035
Action Item	Revise a Program Ref. No. 587: B.S. in Physical Education Contact: Thad Crews thad.crews@wku.edu 5-6040

Proposal Date: 1/16/2007

College of Health and Human Services
Department of Allied Health
Proposal to Create a New Course
(Action Item)

Contact Person: Lynn Austin e-mail: lynn.austin@wku.edu Phone: 5-3827

1. *Identification of proposed course:*
   - 1.1 Prefix and number: DH 330
   - 1.2 Title: Clinical Teaching I
   - 1.3 Abbreviated title: Clinical Teaching I
   - 1.4 Credit hours and contact hours: 4 (16)
   - 1.5 Type of course: P (Practicum)
   - 1.6 Prerequisites: DH 321, CFS 381
     Additional Special Requirements: Current Kentucky dental hygiene license
   - 1.7 Catalog course listing:
     Integration of previous knowledge and concepts in the supervision of 1st year dental hygiene students in the pre-clinical and laboratory setting.

2. *Rationale:*
   - ***2.1 Reason for developing the proposed course:***
     Students desiring a Bachelor of Science degree in Dental Hygiene currently have only 2 additional dental hygiene-specific courses. The development of this course will enable the dental hygiene student to have more appropriate options in their Bachelor's degree.
   - 2.2 Projected enrollment in the proposed course:
     15 based on number of students who obtain the Bachelor's degree.
   - 2.3 Relationship of the proposed course to courses now offered by the department:
     This course is intended to be part of the sequence of courses (DH 330, DH 340, DH 350) designed to better prepare the graduate to become a dental hygiene educator.
   - 2.4 Relationship of the proposed course to courses offered in other departments:
     N/A
   - 2.5 Relationship of the proposed course to courses offered in other institutions:
     N/A - The proposed course is unique to the discipline.

3. *Discussion of proposed course:*
   - 3.1 Course objectives:
     At the completion of this course, students will:
     Gain experience in pre-clinical education
     Develop expertise in rater reliability
     Be able to develop individual frameworks designed to improve specific student competencies
   - 3.2 Content outline:
     Material to be covered includes:
     Pre-clinical teaching skills and techniques
     Laboratory teaching skills and techniques
     Development of individualized competency attainment plans
   - 3.3 Student expectations and requirements:
     Each student will supervise and oversee 1st year dental hygiene students under the guidance of course faculty. The student will be responsible for developing frameworks for individual 1st year hygiene students to better grasp concepts and improve psychomotor skills in the lab

and pre-clinical settings. Students will be evaluated on pre-clinical performance critiques and reflexive journals.

3.4 Tentative texts and course materials:

Wilkins, Ester; Clinical Practice of the Dental Hygienist, Lippincott Williams and Wilkins, 9th edition, 2005.

Nield-Gehrig, Jill S; Fundamentals of Periodontal Instrumentation, Lippincott Williams and Wilkins, 4th edition, 2000.

Bennett, J.D. and Rosenberg, M.B., Medical Emergencies in Dentistry, Saunders, 2002.

Wynn, Richard; Meiller, Timothy and Crossley, Harold; Drug Information Handbook for Dentistry, Lexi-Comp, 11th edition, 2006.

Watts, Nancy T. Handbook of Clinical Teaching: Exercises and Guidelines for Health Professionals Who Teach Patients, Train Staff of Supervise Students, 2002.

4. *Resources:*

4.1 Library resources:

See attached sheet

4.2 Computer resources:

N/A

5. *Budget implications:*

5.1 Proposed method of staffing:

Existing faculty as well as a departmental request for additional support to supervise student activities.

5.2 Special equipment needed:

none

5.3 Expendable materials needed:

none

5.4 Laboratory supplies needed:

none

6. *Proposed term for implementation:* ***Fall 2008***

7. Dates of prior committee approvals:

Allied Health Department/Division	January 26, 2007
CHHS College Curriculum Committee	February 27, 2007
University Curriculum Committee	
University Senate	

Attachments: Bibliography, Library Resources Form, Course Inventory Form

Proposal Date: 1/16/2007

College of Health and Human Services
Department of Allied Health
Proposal to Create a New Course
(Action Item)

Contact Person: Lynn Austin e-mail: lynn.austin@wku.edu Phone: 5-3827

1. Identification of proposed course:

1.1 Prefix and number: DH 340
1.2 Title: Clinical Teaching II
1.3 Abbreviated title: Clinical Teaching II
1.4 Credit hours and contact hours: 4 (16)
1.5 Type of course: P (Practicum)
1.6 Prerequisites: DH 330
Corequisite: DH 350
Additional Special Requirements: Current Kentucky dental hygiene license
1.7 Catalog course listing:
Integration of previous knowledge and concepts in the supervision of 1st year dental hygiene students in the laboratory and clinical setting.

2. Rationale:

2.1 Reason for developing the proposed course:
Students desiring a Bachelor of Science degree in Dental Hygiene currently have only 2 additional dental hygiene-specific courses. The development of this course will enable the dental hygiene student to have more appropriate options in their Bachelor's degree.

2.2 Projected enrollment in the proposed course:
15 based on the number of students who obtain the Bachelor's degree.
2.3 Relationship of the proposed course to courses now offered by the department:
This course is intended to be part of the sequence of courses (DH 330, DH 340, DH 350) designed to better prepare the graduate to become a dental hygiene educator.
2.4 Relationship of the proposed course to courses offered in other departments:
N/A
2.5 Relationship of the proposed course to courses offered in other institutions:
N/A - The proposed course is unique to the discipline.

3. Discussion of proposed course:

3.1 Course objectives:
At the completion of this course, students will:
Gain experience in clinical education
Develop expertise in patient evaluation
Be able to evaluate dental hygiene care plans
Be able to evaluate dental hygiene care plans

3.2 Content outline:
Patient care competencies;
Critical decision making skills involved in patient care;
Facilitation of student access to oral health services available in the community;
3.3 Student expectations and requirements:

Each student will supervise and oversee 1st year dental hygiene students under the guidance of course faculty. The student will be responsible for developing frameworks for individual 1st year hygiene students to better grasp concepts and improve psychomotor skills in the lab and clinical settings. Students will be evaluated on clinical performacnce critiques and reflexive journals.

3.4 Tentative texts and course materials:

Wilkins, Ester; Clinical Practice of the Dental Hygienist, Lippincott Williams and Wilkins, 9th edition, 2005.

Nield-Gehrig, Jill S; Fundamentals of Periodontal Instrumentation, Lippincott Williams and Wilkins, 4th edition, 2000.

Bennett, J.D. and Rosenberg, M.B., Medical Emergencies in Dentistry, Saunders, 2002.

Wynn, Richard; Meiller, Timothy and Crossley, Harold; Drug Information Handbook for Dentistry, Lexi-Comp, 11th edition, 2006.

Watts, Nancy T. Handbook of Clinical Teaching: Exercises and Guidelines for Health Professionals Who Teach Patients, Train Staff of Supervise Students, 2002.

4. *Resources:*

4.1 Library resources:

attached

4.2 Computer resources:

N/A

5. *Budget implications:*

5.1 Proposed method of staffing:

Existing faculty as well as a departmental request for additional support to supervise student activities.

5.2 Special equipment needed:

none

5.3 Expendable materials needed:

none

5.4 Laboratory supplies needed:

none

6. *Proposed term for implementation:* ***Spring 2009***

7. Dates of prior committee approvals:

Allied Health Department/Division	January 26, 2007
CHHS College Curriculum Committee	February 27, 2007
University Curriculum Committee	
University Senate	

Attachments: Bibliography, Library Resources Form, Course Inventory Form

Proposal Date: 1/16/2007

Department of Allied Health
Proposal to Create a New Course
(Action Item)

Contact Person: Lynn Austin e-mail: lynn.austin@wku.edu Phone: 5-3827

1. *Identification of proposed course:*
   - 1.1 Prefix and number: DH 350
   - 1.2 Title: Clinical Teaching III
   - 1.3 Abbreviated title: Clinical Teaching III
   - 1.4 Credit hours and contact hours: 4 (16)
   - 1.5 Type of course: P (Practicum)
   - 1.6 Prerequisites: DH 330
     Corequisite: DH 340
     Additional Special Requirements: Current Kentucky dental hygiene license
   - 1.7 Catalog course listing:
     Clinical teaching experience in classroom areas as selected by the student under the direction of a supervising professor. The student develops behavioral course objectives, test and examination items, classroom presentations, and prepares student evaluations in the selected classroom teaching areas. The student may select teaching assignments in one of the developed externship student teaching programs. Conferences will be held in conjunction with the course.

2. *Rationale:*
   - ***2.1 Reason for developing the proposed course:***
     Students desiring a Bachelor of Science degree in Dental Hygiene currently have only 2 additional dental hygiene-specific courses. The development of this course will enable the dental hygiene student to have more appropriate options in their Bachelor's degree.
   - 2.2 Projected enrollment in the proposed course:
     15 based on the number of students who obtain the Bachelor's degree.
   - 2.3 Relationship of the proposed course to courses now offered by the department:
     This course is intended to be part of the sequence of courses (DH 330, DH 340, DH 350) designed to better prepare the graduate to become a dental hygiene educator.
   - 2.4 Relationship of the proposed course to courses offered in other departments:
     N/A
   - 2.5 Relationship of the proposed course to courses offered in other institutions:
     N/A – The proposed course is unique to the discipline.

3. *Discussion of proposed course:*
   - 3.1 Course objectives:
     At the completion of this course, students will:
     Be able to develop specific course objectives
     Present academic materials to students
     Construct an instrument to assess knowledge
     Evaluate student competencies

   - 3.2 Content outline:
     Material to be covered includes:
     Lesson planning
     Development of appropriate learner outcomes
     Clinical evaluation technics
     Development of individualized competency attainment plans

3.3 Student expectations and requirements:

Each student will develop and implement a clinical teaching project, and will write a clinical case study and dental hygiene care plan. The student must also demonstrate performance of essential psychomotor skills and satisfactory completion of the clinical component.

3.4 Tentative texts and course materials:

Wilkins, Ester; Clinical Practice of the Dental Hygienist, Lippincott Williams and Wilkins, 9th edition, 2005.

Nield-Gehrig, Jill S; Fundamentals of Periodontal Instrumentation, Lippincott Williams and Wilkins, 4th edition, 2000.

Bennett, J.D. and Rosenberg, M.B., Medical Emergencies in Dentistry, Saunders, 2002.

Wynn, Richard; Meiller, Timothy and Crossley, Harold; Drug Information Handbook for Dentistry, Lexi-Comp, 11th edition, 2006.

Watts, Nancy T. Handbook of Clinical Teaching: Exercises and Guidelines for Health Professionals Who Teach Patients, Train Staff of Supervise Students, 2002.

4. *Resources:*

4.1 Library resources:

See attached

4.2 Computer resources:

N/A

5. *Budget implications:*

5.1 Proposed method of staffing:

Existing faculty as well as a departmental request for additional support to supervise student activities.

5.2 Special equipment needed:

none

5.3 Expendable materials needed:

none

5.4 Laboratory supplies needed:

none

6. *Proposed term for implementation:* ***Spring 2009***

7. Dates of prior committee approvals:

Allied Health Department/Division	January 26, 2007
CHHS College Curriculum Committee	February 27, 2007
University Curriculum Committee	
University Senate	

Attachments: Bibliography, Library Resources Form, Course Inventory Form

Proposal Date: 2/09/07

College of Health and Human Services
Department of Allied Health
Proposal to Revise a Program
(Action Item)

Contact Person: Lynn Austin e-mail: lynn.austin@wku.edu Phone: 5-3827

1. *Identification of program:*
   1.1 Reference Number: 524
   1.2 Current Program Title: Bachelor of Science in Dental Hygiene
   1.3 Credit hours: 128

2. *Identification of the proposed changes:*
   In order to better prepare dental hygiene students to enter the field of education, we propose offering students an option in obtaining their BS degree. In addition to the traditional Bachelor of Science in Dental Hygiene, we propose an option with courses designed to better prepare the dental hygiene graduate for clinical education and/or graduate school. In summary the revisions are:

Dropping	**Adding**
MGT 300	CFS 381
CHEM 304	DH 330
HCA 340	DH 340
PSY 350	DH 350

3. Detailed program description:

Current Curriculum Bachelor's Degree (524)		***Proposed Curriculum Bachelor's Degree (524)***	
YEAR ONE		YEAR ONE	
FALL SEMESTER	3	*FALL SEMESTER*	
MATH 109/116/118	4	MATH 109/116/118	3
BIOL 131 Anat & Phys	2	BIOL 131 Anat & Phys	4
AH 290 Medical Terminology	3	AH 290 Medical Terminology	2
PSY 100 Intro to Psychology	3	PSY 100 Intro to Psychology	3
HIST 119/120 Western Civilization	15	HIST 119/120Western Civilization	3
			15
YEAR ONE		YEAR ONE	
SPRING SEMESTER	3	*SPRING SEMESTER*	
ENG 100 Freshman English	3	ENG 100 Freshman English	3
BIOL 207 General Microbiology	1	BIOL 207 General Microbiology	3
BIOL 208 Microbiology Lab	3	BIOL 208 Microbiology Lab	1
COMM 145 Fund. of Public Spkg	3	COMM 145 Fund. of Public Speaking	3
ELECTIVE Category B-II	3	ELECTIVE Category B-II	3
CS 145 Computer Science	16	CS 145 Computer Science	3
			16
YEAR TWO		YEAR TWO	
FALL SEMESTER	3	*FALL SEMESTER*	
DH 111 Pre-Clinical Dent Hyg	3	DH 111 Pre-Clinical Dental Hyg	3
DH 112 Oral Anatomy	2	DH 112 Oral Anatomy	3
DH 201 Dental Radiology	2	DH 201 Dental Radiology	2
DH 210 Dent. Mat. Exp. Funct I	3	DH 210 Dent. Mat. Exp. Funct I	2
CFS 111 Human Nutrition	3	CFS 111 Human Nutrition	3
ENG 200 English Literature	16	CHEM 109 Chem for Health Sci	**4**
			17
YEAR TWO		YEAR TWO	
SPRING SEMESTER	3	*SPRING SEMESTER*	
DH 121 Clinical Dental Hyg I	3	DH 121 Clinical Dental Hyg I	3
DH 130 Oral Hist. & Embryol	2	DH 130 Oral Hist. & Embryol	3
DH 204 Periodontology	3	DH 204 Periodontology	2
DH 206 Principles of Pharm	2	DH 206 Principles of Pharm	3
DH 226 Dent.Mat. Exp. Funct II	4	DH 226 Dent. Mat. Exp. Funct II	2
CHEM 109 Chem for Health Sci	17	ENG 200 English Literature	**3**
			16
Summer Term	3	*Summer Term*	
DH 309 Pain Control in Dent	3	DH 309 Pain Control in Dent	3
DH 213 Externship/Dental Hyg	6	DH 213 Externship/Dental Hyg	3
			6
YEAR THREE		YEAR THREE	
FALL SEMESTER	4	FALL SEMESTER	4
DH 211 Clinical Dental Hyg II	2	DH 211 Clinical Dental Hyg II	2
DH 302 Radiographic Interp	4	DH 302 Radiographic Interp	4
DH 303 Comm Dental Health	3	DH 303 Comm Dental Health	3
DH 307 General & Oral Path	3	DH 307 General & Oral Path	3
PH 383 Biostats/Health Scien	16	SOCL 100 Intro to Sociology	16
YEAR THREE		*YEAR THREE*	
SPRING SEMESTER	4	*SPRING SEMESTER*	4
DH 304 Advanced Perio	5	DH 304 Advanced Perio	5
DH 321 Clinical Dental Hyg III	3	DH 321 Clinical Dental Hyg III	3

DH	323	Research Methods	2	DH	323	Research Methods	2
DH	324	Practice Mgmt/Ethics	3	DH	324	Practice Mgmt/Ethics	**3**
SOCL	100	Intro to Sociology	17	**CFS**	**381**	**Methods/Materials**	17
		YEAR FOUR				YEAR FOUR	3
FALL SEMESTER			3	*FALL SEMESTER*			3
ENG	300	English	**3**	ENG	300	English	4
MGT	**300**	**Legal Environ. of Bus**	**4**	PH	383	Biostats/Health Scien	**3**
CHEM	**304**	**Biochem/Health Sci**	3	**DH**	**330**	**Clin Teaching I**	13
ELECTIVE		For. Lang.	13	ELECTIVE		For. Lang.	
YEAR FOUR						YEAR FOUR	
SPRING SEMESTER			**3**	*SPRING SEMESTER*			**4**
HCA	**340**	**Hlth Care Org./Mgmt**	**3**	**DH**	**340**	**Clin Teaching II**	**4**
PSY	**350**	**Social Psychology**	3	**DH**	**350**	**Clin Teaching III**	3
ELECTIVE		Category B-II	3	ELECTIVE		Category B-II	3
ELECTIVE		Category E	12	ELECTIVE		Category E	14
TOTAL HOURS:		**128**		**TOTAL HOURS:**		**130**	
Summary of changes Replacing MGT 300, CHEM 304, HCA 340 and PSY 350 with CFS 381, DH 330, DH 340 and DH 350				Summary of changes CFS 381, DH 330, DH 340, and DH 350 would be an alternative track for students.			

4. *Rationale for proposed program revisions:*
   The required courses in this tract are more appropriate for the student interested in pursuing a career in dental hygiene education.

5. *Proposed term for implementation and special provisions:*
   Term: Fall, 2008
   Provisions, if applicable:

6. *Dates of prior committee approvals:*

Allied Health Department/Division	January 26, 2007
CHHS Curriculum Committee	February 27, 2007
University Curriculum Committee	
University Senate	

Attachment: **Program Inventory Form**

Proposal Date: February 1, 2007

College of Health and Human Services
Department of Physical Education and Recreation Administration
Proposal to Create a New Major Program
(Action Item)

Contact Person: Scott Lyons scott.lyons@wku.edu (270) 745-6035

1. Identification of program:

1.1 Program title: Exercise Science

1.2 Degree: Bachelor of Science in Exercise Science

1.3 Classification of Instructional Program Code (CIP): 51

1.4 Required hours in proposed major program: 48

1.5 Special information: The Exercise Science program is an interdisciplinary program that allows students with interests in kinesiology, biomechanics, and physiology to pursue baccalaureate studies preparing them for a variety of health-related careers or for post-graduate/professional studies.

1.6 Program admission requirements: Good standing academically with a 2.0 or above GPA.

1.7 Catalog description: The Bachelor of Science in Exercise Science includes extensive study in various areas of exercise physiology, kinesiology, and biomechanics. Students who complete this degree will be prepared for certifications from organizations such as the American College of Sports Medicine (ACSM) and the National Strength and Conditioning Association (NSCA), and may pursue careers in such fields as fitness management, corporate fitness and health promotion, medically-based fitness, and strength coaching, among others. The Exercise Science degree also prepares students for further post-graduate study in areas such as physical therapy, occupational therapy, medicine, nutrition, and research. Students must maintain a "C" or better in each course in the major. Additionally, in accordance with university policy, an overall grade point average of 2.0 or better must be attained upon completion of required curriculum.

2. Rationale:

2.1 Reason for developing the proposed major program: The Exercise Science curriculum was added during the spring of 1998 as a concentration within the Physical Education program. Since that time, enrollment in this concentration has steadily increased to the point where Exercise Science can and should stand alone as a separate major program.

2.2 Projected enrollment in the proposed major program: Enrollment in the Exercise Science program has now exceeded 200 students, and based on consistent growth since 1998, enrollment will likely reach 250 by 2010.

2.3 Relationship of the proposed major program to other programs now offered by the department: This proposed major program has been a concentration under the Physical Education program. The other two concentrations have been Teacher Education and Sports/Fitness/Wellness. The proposed Exercise Science program shares several classes with the Physical Education Teacher Education concentration (Sports/Fitness/Wellness is being dropped as a concentration). The shared classes include Foundations in Physical Education (PE 122), Lifetime Individual Sports (PE 211), Lifetime Team Sports (PE 212), Aerobics (PE 221), Strength/Endurance/Flexibility (PE 222), Kinesiology (PE 310), Exercise Physiology (PE 311), Basic Athletic Training (PE 312), Motor Development (PE 313), and Evaluation/Measurement (PE 324).

2.4 Relationship of the proposed major program to other university programs: No other majors exist where the emphasis is on the inter-workings of the entire human body, how the human body systems respond to stress, and how the body adapts to stress applied over time. In our field of study, “stress” is defined not only as exercise, but also as disease, environmental conditions, athletic performance, etc. The proposed major is connected to other university programs in that we include courses in our curriculum from other departments, including Human Nutrition (CFS 111), Safety and First Aid (SFTY 171), Wellness and Fitness Assessment (PH 390), and Introduction to Health Care Facilities (HCA 341). We also require Human Anatomy and Physiology (BIOL 131) as a prerequisite for our upper-level classes.

2.5 Relationship of the proposed major program to similar programs offered elsewhere in Kentucky and in other states (including programs at benchmark institutions): As stated in section 2.1, adding Exercise Science as a major program would mirror the steps taken by

many of our benchmark institutions towards the growing interest in this field. Also, within the state of Kentucky, both Murray State University and the University of Kentucky have similar programs. Further, Exercise Science exists as a major program at many schools, including most of our benchmark institutions such as Ball State University, California State University-Chico, Central Missouri State University, Indiana State University, Middle Tennessee State University, and Montclair State University.

2.6 Relationship of the proposed major program to the university mission and objectives: Adding Exercise Science as a major program specifically addresses WKU Strategic Goal #1 (Increase Student Learning). Within that goal, adding Exercise Science will help "ensure that students are proficient in their major fields"; "build [an excellent] program"; "provide opportunities for students to be engaged in meaningful research, service, learning, creative activities, and campus life"; "increase international experience, and global awareness of students and faculty"; and "provide lifelong educational opportunities that will help students adapt to a rapidly changing world." (quotes taken from *Challenging the Spirit Progress Report, 2000*)

3. Objectives of the proposed major program

Educational objectives:

1. Identify and become familiar with more specific areas of interest within the field of exercise science.
2. Become better prepared for immediate career advancement by increasing practicum requirements.
3. Identify and become familiar with opportunities for working with the aging population through new course offerings.
4. Become familiar with current and future exercise science-related literature and issues.
5. Be able to apply biological, chemical, mathematical, and physiological principles to exercise science issues.
6. Examine basic science and applied physiological principles involved in exercise testing, exercise prescription, performance, and health, and be able to emphasize the importance of research and contribute to future discovery in exercise science.
7. Become familiar with the major factors that affect health, fitness, and performance, and understand how to address these factors.

4. Program description:

4.1 Curriculum: The B.S. in Exercise Science curriculum is composed of 48 hours of Exercise Science and related courses and all university general education requirements (44 hours). This total of 92 hours leaves the student 36 hours of unrestricted electives (to complete the university graduation requirement of 128 hours) that they may use for graduate or professional school prerequisites or other discretion.

Exercise Science Curriculum (48 hours)

PE 122 (3 hours) Foundations in Physical Education
PE 211 (2 hours) Lifetime Sports---Individual
PE 212 (2 hours) Lifetime Sports---Team
PE 221 (2 hours) Aerobic Exercise
PE 222 (2 hours) Strength/Endurance/Flexibility
PE 310 (3 hours) Kinesiology
PE 311 (3 hours) Exercise Physiology
PE 312 (3 hours) Basic Athletic Training
PE 313 (2 hours) Motor Development

PE 324 (3 hours) Evaluation and Measurement
PE 325 (3 hours) Applied Exercise Physiology
PE 412 (3 hours) Fitness Programming
CFS 111 (3 hours) Human Nutrition
PH 390 (3 hours) Issues in Wellness Assessment
HCA 341 (1 hour) Introduction to Health Care Facilities
SFTY 171 (1 hour) Safety and First Aid
PE 496 (3 or 6 hours) Practicum in Exercise Science
Approved upper-level electives (3 or 6 hours)

_____

48 hours

4.2 Accreditation, certification, approval, and/or licensure: Program is structured so that accreditation will be sought from the Committee on Accreditation for the Exercise Sciences (COAES).

4.3 Program delivery: Program will be delivered on-campus in both lecture and laboratory formats with a practicum experience required for graduation.

5. Resources:

5.1 Faculty: No new faculty requested. Current faculty are fully qualified and capable of teaching these courses.

5.2 Technological and electronic informational resources (e.g., databases, e-journals): None requested.

5.3 Facilities and equipment: No new facilities or equipment requested beyond that already specified in the Smith Stadium renovation project.

6. Proposed term for implementation: Fall 2007

7. Dates of prior committee approvals:

PE & Rec. Department/Division: 1/5/2007

CHHS Curriculum Committee: 2/27/07

University Curriculum Committee: _____

University Senate: _____

Attachment: Program Inventory Form

Proposal Date: 2-14-07

College of Health and Human Services
Department of Physical Education and Recreation Administration
Proposal to Revise a Program
(Action Item)

Contact Person: Dr. Thad Crews thad.crews@wku.edu 745-6040

1. Identification of program:

1.1 Current program reference number: 587
1.2 Current program title: Physical Education
1.3 Credit hours: 48

2. Identification of the proposed program changes:

The current Physical Education major with 3 concentrations is being changed to a Physical Education major with no concentrations.

- The Sport/Fitness/Wellness concentration is being deleted.
- The Exercise Science concentration is being deleted.

3. Detailed Program Description:

Current: The major in physical education (reference number 587) requires 48 semester hours and leads to a bachelor of science degree. **There are three concentrations: (1) teacher education, (2) exercise science, and (3) sport/fitness/wellness.** **Students selecting the physical education teacher education concentration must complete the following courses: PE 110, 111, 112, 121, 122, 211, 222, 300, 310, 311, 312, 313, 320, 321, 322, 323, 324, 413, 414 and 415.** **The major in physical education with an exercise science concentration requires the following course of study: CFS 111, PE 122, SFTY 171, PE 211, 212, 221, 222, 310, 311, 312, 313, 324, 325 HCA 341, PH 390, PE 412, 496, and 3 or 6 credit hours of electives selected from PH 383, PE 440, PHIL 322, CFS 364, PH 402 and PSY 412.** **Students electing to major in physical education with a sport/fitness/wellness concentration will pursue the following course of study: PE 110, CFS 111, PE 122, 211, 212, 221, 222, REC 306, PE 310, 311, 312, 313, 324, 412, 440 and 9 credit hours of elective study which must have advisor approval.** A health education minor is recommended for all physical education majors. BIOL 131 is a prerequisite for PE 310, 311, and 312. Students majoring in physical education are required to meet with their advisor before enrolling for the next semester.		Revised: The major in physical education (reference number 587) requires 48 semester hours and leads to a bachelor of science degree. Students in the physical education major must complete the following courses: PE 110, 111, 112, 121, 122, 211, 212, 221, 222, 300, 310, 311, 312, 313, 320, 321, 322, 323, 324, 413, 414 and 415. A health education minor is recommended for all physical education majors. BIOL 131 is a prerequisite for PE 310, 311, and 312. Students majoring in physical education are required to meet with their advisor before enrolling for the next semester. **This program leads to teacher certification in physical education.**	
Physical Education Teacher Education concentration		**Physical Education**	

PE 122 Foundations of PE	3	PE 122 Foundations of PE	3
PE 211 Lifetime Sports-Individual	2	PE 211 Lifetime Sports-Individual	2
PE 212 Lifetime Sports-Team	2	PE 212 Lifetime Sports-Team	2
PE 221 Health Related Fitness I	2	PE 221 Health Related Fitness I	2
PE 222 Health Related Fitness II	2	PE 222 Health Related Fitness II	2
PE 310 Kinesiology	3	PE 310 Kinesiology	3
PE 311 Exercise Physiology	3	PE 311 Exercise Physiology	3
PE 312 Basic Athletic Training	3	PE 312 Basic Athletic Training	3
PE 313 Motor Development	2	PE 313 Motor Development	2
PE 324 Evaluation of PE	3	PE 324 Evaluation of PE	3
PE 110 Generic Teach. Skills in PE	2	PE 110 Generic Teach. Skills in PE	2
PE 111 Educational Gymnastics	2	PE 111 Educational Gymnastics	2
PE 112 Fundamental Movement	2	PE 112 Fundamental Movement	2
PE 121 Dance & Rhyth. Activities	3	PE 121 Dance & Rhyth. Activities	3
PE 300 Outdoor Education Act.	2	PE 300 Outdoor Education Act.	2
PE 320 Teach. PE in Grades P-6	2	PE 320 Teach. PE in Grades P-6	2
PE 321 PE Curriculum-Grades P-6	3	PE 321 PE Curriculum-Grades P-6	3
PE 322 Elem. School PE Practicum 1	1	PE 322 Elem. School PE Practicum 1	1
PE 323 Adapt. PE in Grades P-6	1	PE 323 Adapt. PE in Grades P-6	1
PE 413 Adapt. PE in Grades 7-12	1	PE 413 Adapt. PE in Grades 7-12	1
PE 414 PE Curr. Grades 7-12	3	PE 414 PE Curr. Grades 7-12	3
PE 415 Second. Sch. PE Pract.	1	PE 415 Second. Sch. PE Pract.	1
Total Hours	48	Total Hours	48
Physical Education Exercise Science Concentration		**DELETE PE EXERCISE SCIENCE CONCENTRATION**	
PE 122 Foundations of PE	3		
PE 211 Lifetime Sports-Individual	2		
PE 212 Lifetime Sports-Team	2		
PE 221 Health Related Fitness I	2		
PE 222 Health Related Fitness II	2		
PE 310 Kinesiology	3		
PE 311 Exercise Physiology	3		
PE 312 Basic Athletic Training	3		
PE 313 Motor Development	2		
PE 324 Evaluation in PE	3		
CFS 111 Human Nutrition	3		
SFTY 171 Safety and First Aid	1		
HCA 341 Intro. Health C. Facilities	1		
PH 390 Wellness/Fitness/Assess.	3		
PE 325 Applied Exercise Physiol.	3		
PE 412 Fitness Programming	3		
PE 496 Practicum in Exer. Sci.	3or6		
*Selected electives	3or6		
Total Hours	48		
Physical Education Sport/Fitness/Wellness Concentration		**DELETE PE SPORT/FITNESS/WELLNESS CONCENTRATION**	
PE 122 Foundations of PE	3		
PE 211 Lifetime Sports-Individual	2		
PE 212 Lifetime Sports-Team	2		
PE 221 Health Related Fitness I	2		
PE 222 Health Related Fitness II	2		
PE 310 Kinesiology	3		

PE 311 Exercise Physiology	3		
PE 312 Basic Athletic Training	3		
PE 313 Motor Development	2		
PE 324 Evaluation in PE	3		
PE 110 Generic Teaching Skills	2		
CFS 111 Human Nutrition	3		
REC 306 Programming Planning	3		
PE 412 Fitness Programming	3		
PE 440 Sports Management	3		
*Selected electives	9		
Total Hours	48		

4. Rationale for the proposed program change:

During a curriculum revision adopted in the fall of 1997 (effective Spring, 1998) the Physical Education major was changed from a Physical Education Teacher Education program to a Physical Education major with 3 concentrations. The Concentrations were: Teacher Education, Exercise Science and Sport/Fitness/Wellness. Very quickly the Exercise Science concentration began to grow and has continued to grow to its present level of approximately 210 students. The Physical Education Teacher Education concentration has remained at a level of approximately 100 students. The Sport/Fitness/Wellness concentration was never a popular choice for students and enrollment today is less than 5 students. The current changes will drop the Exercise Science and Sport/Fitness/Wellness Concentrations. The Exercise Science curriculum will be defined in a new major program. This new program will be a Bachelor of Science in Exercise Science. Because the University requires concentrations in a major to share a core of total hours it has not allowed significant changes to be made to the growing Exercise Science concentration. Creating the Exercise Science major will allow new and relevant courses to be developed to replace shared core courses with the Teacher Education concentration. These changes will strengthen the Exercise Science curriculum. The strengthened Exercise Science curriculum will also allow the program to meet accreditation guidelines from the Accreditation for the Exercise Sciences (COAES).

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

The program changes should be in effect for the fall semester 2007.

6. Dates of prior committee approvals:

Physical Education and Recreation Administration Department: 1/5/07

College of Health and Human Services Curriculum Committee 2/27/07

Professional Education Council 2/7/07

University Curriculum Committee _____

University Senate _____

Attachment: Program Inventory Form

Gordon Ford College of Business
Western Kentucky University
Office of the Dean
745-6311

REPORT TO THE UNIVERSITY CURRICULUM COMMITTEE

Date: March 27, 2007

FROM: Gordon Ford College of Business Curriculum Committee

The Gordon Ford College of Business Curriculum Committee submits the following items for consideration:

Type of Item	Description of Item and Contact Information
Action	Proposal to Revise Course Credit Hours (CIS 141) Contact: Dr. Thad Crews II Thad.crewsii@wku.edu Phone: 5-4643
Action	Proposal to Revise a Program (Add Entrepreneurship Major Option) Ref #622 Contact: Dr. Leo Simpson Leo.simpson@wku.edu Phone: 5-6174
Action	Proposal to Revise a Program (Marketing Minor) Contact: Dr. Rick Shannon Rick.shannon@wku.edu Phone: 5-2483
Action	Proposal to Revise Policy/Program (Requirements for Admission) Contact: Dr. Bob Reber Robert.reber@wku.edu Phone: 5-6311
Action	Proposal to Revise Program (Requirements for Undergraduate Certificate in Leadership Studies) Contact: Dr. Cecile Garmon Cecile.garmon@wku.edu Phone: 5-8973

Proposal Date: 2/5/2007

Gordon Ford College of Business
Department of Computer Information Systems
Proposal to Revise Course Credit Hours
(Action Item)

Contact Person: Thad Crews, thad.crewsii@wku.edu, 745-4643

1. Identification of course:

1.1 Current course prefix (subject area) and number: CIS 141
1.2 Course title: Basic Computer Literacy
1.3 Credit hours: 3

2. Proposed course credit hours: 0 or 3

3. Rationale for the revision of course credit hours: CIS 141 is a lecture-lab course and makes use of our departmental computer facilities. To accommodate student demand, we need to make more efficient use of this resource. This change was recommended to us by the registrar's office as a means of allowing students to utilize our labs at various times during the day. This zero hour lab approach is used by other departments across campus; examples include: ANSC 448, BIOL 131, BCOM 266, CHEM 314, CFS 151, DH 121, DMT 223, GEOG 121, and NURS 309.

4. Proposed term for implementation: Fall 2007

5. Dates of prior committee approvals:

CIS Department/Division:	01/30/2007
Gordon Ford College of Business Curriculum Committee	03/07/2007
Professional Education Council	02/14/2007
University Curriculum Committee	
University Senate	

Attachment: Course Inventory Form

Proposal Date: February 26, 2007

Gordon Ford College of Business
Department of Management
Proposal to Revise A Program
(Add Option to Existing Major)
(Action Item)

Contact Person: Leo Simpson, leo.simpson@wku.edu, 5-6174

1. Identification of program:

1.1 Current program reference number: 723
1.2 Current program title: Management
1.3 Credit hours: 73

2. Identification of the proposed program changes: Currently the major in Management offers an option in General Management and Human Resource/Personnel Management. This proposal would add a third option in Entrepreneurship in the Management major.

3. Detailed program description:

Comparison of Entrepreneurship Option To General Management Option and Human Resources Option:

General Management	Entrepreneurship	Human Resources/Personnel
MGT 311	MGT 311	MGT 311
MGT 305/Math 119	MGT 305/Math 119	MGT 305/Math 119
FIN Elective	FIN 441	HR Elective
MKT Elective	MKT 427	HR Elective
MGT 498/496	MGT 496	MGT 498/496
ECON 414	E-Elective 1	ECON 305
ACCT 315	E-Elective 2	HR Elective
MGT 361	E-Elective 3	MGT 361
MGT 417	E-Elective 4	MGT 417
Prof Elective	E-Elective 5	Prof Elective
MGT 313	MGT 312	MGT 313
Senior Assessment	Senior Assessment	Senior Assessment
MGT Elective	MGT Elective	MGT Elective

4. Rationale for the proposed program change (adding option to a major): The growth in entrepreneurial organizations in the United States over the past twenty years has fueled the economy and has created career opportunity. At the annual meeting of the United States Association for Small Business and

Entrepreneurship in January of 2007, the Kauffman Foundation reported that their data indicates a large percentage of high school students are choosing their colleges to attend based upon whether those colleges offer entrepreneurship majors. The Kauffman Foundation indicated that in a national Gallup Poll, seven out of ten high school students want to have their own business. The students attending the recent DECA competition at WKU indicated they were selecting their colleges due to available entrepreneurial education. This interest was also confirmed at Master Plan this fall when 101 freshmen signed up in a single day to learn more about entrepreneurship programs at WKU.

Entrepreneurial programs across the country make a solid claim to being the most rapid growth academic area with more than 300 universities offering new Majors in Entrepreneurship; 500 offering new Minors in Entrepreneurship; and more than 600 newly created endowed chairs in entrepreneurship. Since the introduction of the Entrepreneurship Minor at WKU in 2003, the program has grown to 171 active, declared students as of 2/14/07 representing majors from almost every discipline on campus. The eleven new courses in entrepreneurial studies in four departments in the Gordon Ford College of Business are supplemented by innovative courses throughout campus. The growth rate of creative and entrepreneurial courses across campus is impressive. The rate of development is exponential and is projected to continue at a fast pace as all campus departments respond to the need for students to make a living in their chosen majors. The complementary aspect of the Entrepreneurial Option, in combination with other majors across campus and within the Gordon Ford College of Business, adds to the overall benefit of this major option as a cross-disciplinary asset to WKU.

The proposed program will provide students with the opportunity to play an active role in the new economy of Kentucky. Considerable state resources are committed to smooth transitions between high schools, KCTCS systems, and universities throughout the Commonwealth in the areas of entrepreneurship and technology transfer. The recent expansion of student laboratory and consulting opportunities at the Innovation and Commercialization Center and WKU Research and Development Center; student campus-wide programs coordinated through the WKU Center for Entrepreneurship and Innovation; and cross-disciplinary initiatives combining Business, Engineering, Honors, and other colleges need the Entrepreneurship Option as a linking pin program. The Entrepreneurship Option would enable students of all disciplines to obtain the level of support necessary to make a living with their chosen field of study, whether their need is for a few courses, the Entrepreneurship Minor, or the Entrepreneurship Major Option.

The Entrepreneurship Option will also directly address the issue of Kentucky students staying in Kentucky once they graduate. The Entrepreneurship Option opens many doors of opportunity in employment throughout the Commonwealth, but particularly in South-Central Kentucky. Minors in entrepreneurship over the past three years have been highly sought after by area employers obtaining some of the best jobs available upon graduation. Further, many of these students with Entrepreneurship Minors have either started their own business or have joined with other small ventures to contribute to the rapid growth of those firms. A good example of this is Hitcents which has grown from 3 people to over 50 people in five years employing several WKU entrepreneurial students. Hitcents was formed

while the founders were still in high school. Most of the graduates of WKU will find employment in small and medium sized firms or start their own business.

5. Proposed term for implementation and special provisions: Fall 2007

6. Dates of prior committee approvals:

Management Department:	02/26/07
Gordon Ford College of Business Curriculum Committee	03/07/07
University Curriculum Committee	
University Senate	

Attachment: Program Inventory Form

Proposal Date: 2/15/07

Enter College Name Here
Department of Marketing
Proposal to Revise A Program
(_Action_ Item)

Contact Person: Rick Shannon, rick.shannon@wku.edu , 745-2483

1. Identification of program:

1.1 Current program reference number: 413
1.2 Current program title: Marketing Minor
1.3 Credit hours: 24 - 27

2. Identification of the proposed program changes:

- Change MKT 320 (Basic Concepts) to MKT 220;
- Drop CIS 141
- Add MKT elective
- Add a requirement that six (6) hours in the Marketing Minor must be unduplicated.

3. Detailed program description: We have changed MKT 320 (Basic Concepts) to MKT 220. Because this would drop our minor below 50% upper division, we are removing CIS 141 from the minor and replacing it with a Marketing elective, all of which are 300 or 400 level courses. This will put the minor back in compliance with the 50% upper level rule.

Current Program: (24 – 27 hours)	Proposed Program: (24 – 27 hours)
ACCT 200 (Financial Accounting)	ACCT 200 (Financial Accounting)
ECON 202 (Microeconomics) OR	ECON 202 (Microeconomics) OR
ECON 203 (Macroeconomics)	ECON 203 (Macroeconomics)
ECON 206 (Statistics)	ECON 206 (Statistics)
CIS 141 (Basic Computer Skills)	
MKT 320 (Basic Concepts)	**MKT 220 (Basic Concepts)**
MKT 321 (Consumer Behavior)	MKT 321 (Consumer Behavior)
MKT elective (300 or 400 level)	MKT elective (300 or 400 level)
MKT elective (300 or 400 level)	MKT elective (300 or 400 level)
	MKT elective (300 or 400 level)

For majors in the College of Business, one additional MKT elective is required:

MKT elective (300 or 400 level)	MKT elective (300 or 400 level)

4. Rationale for the proposed program change: Because we changed MKT 320 to MKT 220, our minor fell below the required 50% upper level classes. We did not want to add additional hours to the minor, so we are dropping CIS 141 from the minor and adding an additional upper level Marketing elective. It was felt that

students come into the university with adequate computer skills for our program without being required to take a basic computer skills class.

5. Proposed term for implementation and special provisions (if applicable):
Fall 2007

6. Dates of prior committee approvals:

Marketing Department : 4/6/2006

Gordon Ford College of Business
Curriculum Committee 03/07/2007

University Curriculum Committee _____

University Senate _____

Attachment: Program Inventory Form

Proposal Date: February 16, 2007

Gordon Ford College of Business

Proposal to Revise Academic Policy
(Action Item)

Contact Person: Bob Reber e-mail: Robert.reber@wku.edu Phone: 745-6311

1. Identification of the programs:
This is a college-wide policy and affects multiple programs. These changes will affect the following programs and their respective options: Accounting (602), Business Administration (622), Business Economics (724), Computer Information Systems (706), Finance (664), Management (723), and Marketing (720). It will not affect Computer Information Technology (555) or Economics (638, A.B. program).

2. Identification of proposed policy changes:
Requirements for admission to the Gordon Ford College of Business.

3. Catalog statement of proposed policy: (changes noted in bold italics)

***Current Policy*:**	***Proposed Policy:***
In order to be admitted to the Ford College, students must have (1) earned a minimum of 60 hours; (2) completed ACCT 200 and 201, CIS 141, ECON 202, 203, and 206, MATH 116 or higher, and COMM 161 with a minimum grade point average of 2.25 in the courses listed above; and (3) minimum overall G.P. A. of 2.25. Students with lower than a 2.25 grade point average will be allowed to take only those upper division courses in the Ford College that they are repeating. Undergraduate degree programs are not accepted by the college until the student has been formally admitted. Once a student has been admitted, he/she is encouraged to declare a major and to file a degree program without delay. Students receiving a baccalaureate degree in the Gordon Ford College of Business at Western Kentucky University must complete a minimum of one-half of the business curriculum in residence. **Accounting Majors** - Students interested	In order to be admitted to the Ford College, students must have (1) earned a minimum of 60 hours; (2) completed ACCT 200 and 201, CIS 141, ECON 202, 203, and 206, MATH 116 or higher, and COMM 161 with a minimum grade point average of ***2.5*** in the courses listed above; and (3) minimum overall G.P. A. of ***2.5.*** Undergraduate degree programs are not accepted by the college until the student has been formally admitted. Once a student has been admitted, he/she is encouraged to declare a major and to file a degree program without delay. Students receiving a baccalaureate degree in the Gordon Ford College of Business at Western Kentucky University must complete a minimum of one-half of the business curriculum in residence. **Accounting Majors** – Students pursuing a major in Accounting must have:

in pursuing a major in Accounting must have a 2.5 overall G.P.A., and must complete Accounting 200 and 201 with a grade of "C" or higher. **Economics Majors** - Economics majors pursuing a bachelor of arts degree are not required to take Accounting 200 and 201. **CIS Majors** - Students pursuing a major in Computer Information Systems should contact the CIS department for additional admissions information and requirements. **Ford College of Business Minors** - A student who is not pursuing a major in the college may enroll in upper-division courses leading to a minor in the college provided the student has earned a minimum of 60 semester hours. **Appeals and Requests for Exception** - Requests for exceptions to the enrollment and/or admission policies for the Ford College must be submitted in writing to the Ford College of Business Admissions and Appeals Committee. Students with non-business majors whose program requires more than 12 hours of upper division business courses will be accommodated by the Student Services Center (Grise Hall 449).	(1) a 2.5 overall G.P.A. in Accounting 200 and Accounting 201, and (2) a grade of "C" or higher in Accounting 200 and Accounting 201. **Economics Majors** - Economics majors pursuing a bachelor of arts degree are not required to take Accounting 200 and 201. **Ford College of Business Minors** - A student who is not pursuing a major in the college may enroll in upper-division courses leading to a minor in the college provided the student has earned a minimum of 60 semester hours. **Appeals and Requests for Exception** - Requests for exceptions to the enrollment and/or admission policies for the Ford College must be submitted in writing to the Ford College of Business Admissions and Appeals Committee. Students with non-business majors whose program requires more than 12 hours of upper division business courses will be accommodated by the Student Services Center (Grise Hall 449).

4. Rationale for proposed policy:
This change is in concert with the strategic goal of "improving the student body" and improving graduation rates. It is predicted that students will be more successful in upper level business courses if they have met these requirements. The present G.P.A. requirement is among the lowest of AACSB-International accredited business schools. Most of our benchmark and aspirational institutions (e.g., Miami University of Ohio, Middle Tennessee State University, University of Louisville, University of Kentucky, Northern Iowa University, University of Wisconsin-Whitewater, James Madison University, and William & Mary) require an admission grade point average of 2.5 or higher.

5. Proposed term for implementation: Applies to students entering WKU for the Fall, 2007 semester.

6. Dates of prior committee approvals:

Gordon Ford College of Business Curriculum Committee:	03/07/2007
University Curriculum Committee (Academic Policy Subcommittee)	_____
University Curriculum Committee	_____
University Senate	_____

Attach program inventory forms.

Proposal Date: February 21, 2007

Gordon Ford College of Business
Leadership Studies Program
Proposal to Revise A Program
(Action Item)

Contact Person: Dr. Cecile Garmon, Cecile.garmon@wku.edu

1. Identification of program:

1.1 Current program reference number: 173
1.2 Current program title: Certificate in Leadership Studies
1.3 Credit hours: 15

2. Identification of the proposed program changes:

This is a change in the list of courses approved for meeting the requirements for the undergraduate certificate in leadership studies.

(See Spreadsheet attached)

3. Detailed program description:

Substitutions may be made for any of these courses with consent of the advisor.

LEAD 475 may be substituted in any of the four categories depending on course topic.

Category II Ethics and Social Responsibility

Remove:
ECON 434
MGT 300
Add:
HCA 441
PHIL 322
JOURN 301
MGT 305 (now called Critical Thinking and Ethics)
MGT 200

Category III Human Relations

Remove:
PS 441
Add:

HCA 342
NURS 400
MGT 210 (formerly MGT 310)
SW 205
PSY 355

Category IV Critical Thinking
Remove:
PHI 110
PHIL 402
MGT 305
Add:
PHIL 404
NURS 405 and 412
SW 344

Category V Practicum

Add:
NURS 409 422 may be used for BSN students only

4. **Rationale for the proposed program change:**
The list of approved courses for each of the categories needs to be updated due to curricular changes since the program was initially developed.

5. **Proposed term for implementation and special provisions (if applicable):**
Summer 2007

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

Leadership Studies Curriculum Committee: _February 21, 2007__

Gordon Ford College of Business
Curriculum Committee _March 03, 2007____

University Curriculum Committee _____

University Senate _____

Attachment: Program Inventory Form

Bowling Green Community College
of Western Kentucky University
Office of the Dean
780-2556

REPORT TO THE UNIVERSITY CURRICULUM COMMITTEE

DATE: 9 March 2007

FROM: The Curriculum Committee of the Bowling Green Community College

The Curriculum Committee of the Bowling Green Community College submits the following items for consideration:

Type of Item	***Description of Item and Contact Information***
Consent	**Proposal to Delete a Course** NUR 101C Nursing Fundamentals NUR 109C Maternal/Mental Health Nursing NUR 224C Nursing Care of Adults and Children I NUR 225C Nursing Care of Adults and Children II Contact: Kacy Harris kacy.harris@wku.edu Phone: 780-2510 **Proposal to Suspend a Course** SAFE 120C Introduction to Occupational Safety and Health SAFE 171C Safety and First Aid SAFE 221C Safety and Health Standards, Codes, and Regulations SAFE 270C General Safety SAFE 271C Emergency Care and Transport Contact: Kacy Harris kacy.harris@wku.edu Phone: 780-2510
Action	**Proposal to Make Multiple Revisions to a Course** BUS 200C Principles of Management BUS 230C Internship Business Contact: Ron Mitchell ron.mitchell@wku.edu Phone: 780-2535

Proposal Date: February 19, 2007

Bowling Green Community college
Health Sciences Division
Proposal to Delete a Course
(Consent Item)

Contact Person: Kacy Harris, kacy.harris@wku.edu, 780-2510

1. Identification of course:

1.1 Current course prefix (subject area) and number: NUR 101C
1.2 Course title: Nursing Fundamentals
1.3 Credit hours: 8

2. Rationale for the course deletion:
This course has not been offered since the revision of the Associate Degree Nursing program courses. It was part of the old program requirements. The content of this course is being offered under a different course number in the current program. It is not listed in the course catalog.

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

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Department/Division: 2/20/07

BGCC Curriculum Committee 3/08/07

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: February 19, 2007

Bowling Green Community college
Health Sciences Division
Proposal to Delete a Course
(Consent Item)

Contact Person: Kacy Harris, kacy.harris@wku.edu, 780-2510

1. Identification of course:

1.1 Current course prefix (subject area) and number: NUR 109C
1.2 Course title: Maternal/Mental Health Nursing
1.3 Credit hours: 8

2. Rationale for the course deletion:
This course has not been offered since the revision of the Associate Degree Nursing program courses. It was part of the old program requirements. The content of this course is being offered under a different course number in the current program. It is not listed in the course catalog.

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

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Department/Division:	2/20/07
BGCC Curriculum Committee	3/08/07
University Curriculum Committee	
University Senate	

Attachment: Course Inventory Form

Proposal Date: February 19, 2007

Bowling Green Community college
Health Sciences Division
Proposal to Delete a Course
(Consent Item)

Contact Person: Kacy Harris, kacy.harris@wku.edu, 780-2510

1. Identification of course:

1.1 Current course prefix (subject area) and number: NUR 224C
1.2 Course title: Nursing Care of Adults and Children I
1.3 Credit hours: 10

2. Rationale for the course deletion:
This course has not been offered since the revision of the Associate Degree Nursing program courses. It was part of the old program requirements. The content of this course is being offered under a different course number in the current program. It is not listed in the course catalog.

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

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Department/Division:	2/20/07
BGCC Curriculum Committee	3/08/07
University Curriculum Committee	
University Senate	

Attachment: Course Inventory Form

Proposal Date: February 19, 2007

Bowling Green Community college
Health Sciences Division
Proposal to Delete a Course
(Consent Item)

Contact Person: Kacy Harris, kacy.harris@wku.edu, 780-2510

1. Identification of course:

1.1 Current course prefix (subject area) and number: NUR 225C
1.2 Course title: Nursing Care of Adults and Children II
1.3 Credit hours: 10

2. Rationale for the course deletion:
This course has not been offered since the revision of the Associate Degree Nursing program courses. It was part of the old program requirements. The content of this course is being offered under a different course number in the current program. It is not listed in the course catalog.

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

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Department/Division: 2/20/07

BGCC Curriculum Committee 3/08/07

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: February 19, 2007

Bowling Green Community College
Health Sciences Division
Proposal to Suspend a Course
(Consent Item)

Contact Person: Kacy Harris, kacy.harris@wku.edu, 780-2510

1. Identification of course:

1.1 Current course prefix (subject area) and number: SAFE 120C
1.2 Course title: Introduction to Occupational Safety and Health
1.3 Credit hours: 3

2. Rationale for the course suspension:
This course has not been offered in several years. We do anticipate the possibility to offer this course in the future, therefore, we wish to suspend instead of delete.

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

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Health Sciences Division:	2/20/07
BGCC Curriculum Committee	3/08/07
University Curriculum Committee	
University Senate	

Attachment: Course Inventory Form

Proposal Date: February 19, 2007

Bowling Green Community College
Health Sciences Division
Proposal to Suspend a Course
(Consent Item)

Contact Person: Kacy Harris, kacy.harris@wku.edu, 780-2510

1. Identification of course:

1.1 Current course prefix (subject area) and number: SAFE 171C
1.2 Course title: Safety and First Aid
1.3 Credit hours: 1

2. Rationale for the course suspension:
This course has not been offered in several years. We do anticipate the possibility to offer this course in the future, therefore, we wish to suspend instead of delete.

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

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Health Sciences Division: 2/20/07

BGCC Curriculum Committee 3/08/07

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: February 19, 2007

Bowling Green Community College
Health Sciences Division
Proposal to Suspend a Course
(Consent Item)

Contact Person: Kacy Harris, kacy.harris@wku.edu, 780-2510

1. Identification of course:

1.1 Current course prefix (subject area) and number: SAFE 221C
1.2 Course title: Safety and Health Standards, Codes, and Regulations
1.3 Credit hours: 3

2. Rationale for the course suspension:
This course has not been offered in several years. We do anticipate the possibility to offer this course in the future, therefore, we wish to suspend instead of delete.

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

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Health Sciences Division:	2/20/07
BGCC Curriculum Committee	3/08/07
University Curriculum Committee	
University Senate	

Attachment: Course Inventory Form

Proposal Date: February 19, 2007

Bowling Green Community College
Health Sciences Division
Proposal to Suspend a Course
(Consent Item)

Contact Person: Kacy Harris, kacy.harris@wku.edu, 780-2510

1. Identification of course:

1.1 Current course prefix (subject area) and number: SAFE 270C
1.2 Course title: General Safety
1.3 Credit hours: 3

2. Rationale for the course suspension:
This course has not been offered in several years. We do anticipate the possibility to offer this course in the future, therefore, we wish to suspend instead of delete.

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

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Health Sciences Division: 2/20/07

BGCC Curriculum Committee 3/08/07

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: February 19, 2007

Bowling Green Community College
Health Sciences Division
Proposal to Suspend a Course
(Consent Item)

Contact Person: Kacy Harris, kacy.harris@wku.edu, 780-2510

1. Identification of course:

1.1 Current course prefix (subject area) and number: SAFE 271C
1.2 Course title: Emergency Care and Transportation
1.3 Credit hours: 6

2. Rationale for the course suspension:
This course has not been offered in several years. We do anticipate the possibility to offer this course in the future, therefore, we wish to suspend instead of delete.

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

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Health Sciences Division: 2/20/07

BGCC Curriculum Committee 3/08/07

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: March 1, 2007

Bowling Green Community College
Department of Business and Computer Studies Division
Proposal to Make Multiple Revisions to a Course
(Action Item)

Contact Person: Ron Mitchell, ron.mitchell@wku.edu, 780-2535.

1. Identification of course:

1.1 Current course prefix (subject area) and number: BUS 200C
1.2 Course title: Principles of Management
1.3 Credit hours: 3

2. Revise course title:

2.1 Current course title: Principles of Management
2.2 Proposed course title: Organization and Management
2.3 Proposed abbreviated title: Organization and Management
2.4 Rationale for revision of course title:

Gordon Ford School of Business previously changed their MGT 310 to MGT 210 which was approved by the UCC. Our BUS 200C class has the same content as the MGT 210 course. This change will facilitate transferring credits to the university to substitute for MGT 210 in the "plus two" programs. This course is a foundation course for Business Management. This change will make it easier for students to understand as well as advisors.

3. Revise course number:

3.1 Current course number: BUS 200C
3.2 Proposed course number: BUS 210C
3.3 Rationale for revision of course number:

This change will allow our degree program to reflect more accurately the course and be more in line with the university course MGT 210, which is almost identical in content. This will also facilitate the transfer of credit and make it easier for the students to know what course it replaces in the "plus two" program.

4. Revise course catalog listing:

4.1 Current course catalog listing:

A course designed to develop an understanding of contemporary organizations from both a macro (organization theory) and micro (organizational behavior) approach. Planning and control systems, decision-making, and human considerations will be explored.

4.2 Proposed course catalog listing:

An introduction to organization theory and organizational behavior. The course focuses on managing people and material resources to enhance organizational productivity and effectiveness. Attention is given to the managerial functions of planning, organizing, leading and controlling.

4.3 Rationale for revision of course catalog listing:

The subject/content material is identical to the MGT 210 taught on the main campus and the catalog listing should be the same. Since the course content is the same to change the course catalog to reflect the same would much easier for students and advisors. This change will also allow for less confusion for advisors and for students transferring to other universities.

5. Proposed term for implementation: Winter 2008

6. Dates of prior committee approvals:

Business & Computer Studies Division: 02/02/2007

BGCC Curriculum Committee 03/08/2007

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: March 1, 2007

Bowling Green Community College
Department of Business and Computer Studies Division
Proposal to Make Multiple Revisions to a Course
(Action Item)

Contact Person: Ron Mitchell, ron.mitchell@wku.edu, 780-2535.

1. Identification of course:

1.1 Current course prefix (subject area) and number: BUS 230C
1.2 Course title: Internship Business
1.3 Credit hours: 3

2. Revise course prerequisites/corequisites/special requirements:

2.1 Current prerequisites
Prerequisites: Instructor's permission.

2.2 Proposed prerequisites:
Division Chair and Instructor's permission, must be a Sophomore and have a minimum of 2.0 GPA.

2.3 Rationale for revision of course prerequisites:
To ensure that the Division Chair is aware of all internships within the division and that all internships meet the academic standards of the college and SACS.

2.4 Effect on completion of major/minor sequence: none

3. Revise course catalog listing:

3.1 Current course catalog listing:
Provides the advanced student with a practical working-learning opportunity. Periodic seminars and outside assignments related to the job are required.

3.2 Proposed course catalog listing:
Provides the advanced student with an opportunity for civic engagement, exploration of on-site job opportunities, and enhancement of marketability. The internship includes a project and activities that enhance professional growth and development. Pass or Fail only.

4. Revise course credit hours:

4.1 Current course credit hours: 3

4.2 Proposed course credit hours: 1 – 6

4.3 Rationale for revision of course credit hours:

Our program has a total of 10 hours of electives and the experience gained through an internship is invaluable. Students may elect, based on their individual programs, an internship that will provide the maximum benefit to their college experience. This change is inline with the University trend for civic engagement.

5. Proposed term for implementation: Winter 2008

6. Dates of prior committee approvals:

Business & Computer Studies Division: 02/02/2007

BGCC Curriculum Committee 03/08/2007

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

AGENDA

OGDEN COLLEGE OF SCIENCE AND ENGINEERING
OFFICE OF THE DEAN
745-6371

REPORT TO THE UNIVERSITY CURRICULUM COMMITTEE

DATE: March 27, 2007

FROM: OGDEN COLLEGE OF SCIENCE AND ENGINEERING

The Ogden College of Science and Engineering Curriculum Committee submits the following items for consideration:

Type of Item	***Description of Item***
Information	One-time-only offering MATH 141, Mathematics for Architectural and Manufacturing Sciences Contact: Dr. Peter Hamburger Peter.hamburger@wku.edu 5-3652
Information	Change Course Prefix to Architectural and Manufacturing Sciences (AMS) from Secondary Education (SEC) Contact: Dr. Brent Askins Brent.askins@wku.edu 5-3251
Consent	Revise Course Number AMS 300, Investigations in Secondary Education Brent.askins@wku.edu 5-3251
Consent	Revise Course Number AMS 364, Methods in Vocational Education Brent.askins@wku.edu 5-3251
Consent	Revise Course Number AMS 365, Foundations of Industrial, Vocational and Career Education Brent.askins@wku.edu 5-3251
Consent	Revise Course Number AMS 366, Instructional Media and Curriculum in Industrial, Vocational and Career Education Brent.askins@wku.edu 5-3251
Consent	Revise Course Number AMS 370, Workshop in Vocational Education Classroom/Laboratory Brent.askins@wku.edu 5-3251
Consent	Revise Course Number AMS 463, Supervised Student Teaching in Vocational, Industrial, and Technical Education Brent.askins@wku.edu 5-3251
Consent	Delete Course

	EE 250, Fundamentals of Electrical Engineering Contact: Dr. Walter Collett Walter.collett@wku.edu 5-2016
Consent	Delete Course CE 416, Construction Administration Contact: Dr. Shane Palmquist Shane.palmquist@wku.edu 5-2919
Consent	Delete Multiple Courses CET 216, 218, 316, 318, 326, 338, 346, 348, 356, 366, 376, 386, 416, 418, 436, 456, 475, 476, 498 Shane.palmquist@wku.edu 5-2919
Consent	Delete a Program Ref. #535, Civil Engineering Technology Shane.palmquist@wku.edu 5-2919
Consent	Revise Course Prerequisites/Corequisites ASTR 405, Astronomy for Teachers Contact: Dr. Richard Gelderman Richard.gelderman@wku.edu 5-6203
Consent	Revise Course Prerequisites/Corequisites PHYS 410, Physics for Teachers Richard.gelderman@wku.edu 5-6203
Action	Multiple Revisions to a Course EE 330, Intro. to Power Systems Contact: Dr. Walter Collett Walter.collett@wku.edu 5-2016
Action	Multiple Revisions to a Course EE 430, Power Systems II Walter.collett@wku.edu 5-2016
Action	Multiple Revisions to a Course PHYS 250, University Physics I Contact: Dr. Doug Harper Doug.harper@wku.edu 5-6194
Action	Multiple Revisions to a Course PHYS 251, Laboratory for University Physics I Contact: Dr. Doug Harper Doug.harper@wku.edu 5-6194
Action	Multiple Revisions to a Course PHYS 260, University Physics II Doug.harper@wku.edu 5-6194
Action	Multiple Revisions to a Course PHYS 261, Laboratory for University Physics II Doug.harper@wku.edu 5-6194
Action	New Course Proposal EE 350, Fundamentals of Electrical Engineering Walter.collett@wku.edu 5-2016
Action	New Course Proposal EE 405, EE Senior Research Seminar Contact: Dr. Mark Cambron Mark.cambron@wku.edu 5-8868

Action	New Course Proposal EE 443, Microfabrication and MEMS Mark.cambron@wku.edu 5-8868
Action	New Course Proposal ME 180, Freshman Design II Contact: Joel Lenoir Joel.lenoir@wku.edu 5-6858
Action	New Course Proposal ME 494, WKU ME Selected Topics Contact: Dr. Kevin Schmaltz Kevin.schmaltz@wku.edu 5-8859
Action	New Course Proposal ME 495, WKU ME Selected Projects Kevin.schmaltz@wku.edu 5-8859
Action	New Course Proposal ASTR 108, Descriptive Astronomy Contact: Dr. Richard Gelderman Richard.gelderman@wku.edu 5-6203
Action	New Course Proposal PHYS 180, Introductory Modern Physics Richard.gelderman@wku.edu 5-6203
Action	New Course Proposal PHYS 181, Introductory Modern Physics Laboratory Richard.gelderman@wku.edu 5-6203
Action	New Course Proposal PHYS 255, University Physics I Contact: Dr. Doug Harper Doug.harper@wku.edu 5-6194
Action	New Course Proposal PHYS 256, University Physics I Laboratory Doug.harper@wku.edu 5-6194
Action	New Course Proposal PHYS 265, University Physics II Doug.harper@wku.edu 5-6194
Action	New Course Proposal PHYS 266, University Physics II Laboratory Doug.harper@wku.edu 5-6194
Action	Revise a Program Ref. #537, Electrical Engineering Contact: Dr. Mark Cambron Mark.cambron@wku.edu 5-8868
Action	Revise a Program Ref. #543, Mechanical Engineering Contact: Joel Lenoir Joel.lenoir@wku.edu 5-6858
Action	Revise a Program Ref. #754, Physics Contact: Dr. Doug Harper

	Doug.harper@wku.edu 5-6194

Proposal date: 1/17/07

Memorandum
Proposal to Change Course Prefix to Architectural and Manufacturing Sciences (AMS) from Secondary Education (SEC)
(Information Item)

TO: University Curriculum Committee

FROM: Sponsoring Unit: Industrial (Vocational, Career, and Technical) Education
Department: Architectural and Manufacturing Sciences
Contact Person's Name: K. Brent Askins
Contact Person's Email: Brent.Askins@wku.edu
Contact Person's Phone: 745-3251

CHANGE: Current Course Prefix: SEC
Proposed Course Prefix: AMS

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

SEC 300 (1hr)	to	AMS 300 (1hr) Investigations in Secondary Education
SEC 300 (2hr)	to	AMS 300 (2hr) Investigations in Secondary Education
SEC 300 (3hr)	to	AMS 300 (3hr) Investigations in Secondary Education
SEC 364 (3hr)	to	AMS 364 (3hr) Methods in Vocational Education
SEC 365 (3hr)	to	AMS 365 (3hr) Foundations of Industrial, Vocational and Career Education
SEC 366 (3hr)	to	AMS 366 (3hr) Instructional Media and Curriculum in Industrial, Vocational, and Career Education
SEC 370 (3hr)	to	AMS 370 (3hr) Workshop in Vocational Education Classroom/Laboratory Management
SEC 463 (4hr)	to	AMS 463 (4hr) Supervised Student Teaching in Vocational, Industrial, and Technical Education

RATIONALE:

- The Vocational Industrial Education program is located in the Department of Architectural and Manufacturing Sciences, a move which took place in 2000. Only 3 of the 23 hour professional

education components are taught by faculty in the College of Education and Behavioral Sciences. The remaining 20 hours are taught by Department of Architectural and Manufacturing Sciences faculty.

- The move has been requested by the Department of Curriculum and Instruction.

DATE OF IMPLEMENTATION:

Fall 2007

Attachment: Course Inventory Form

Proposal Date: 1/16/07

Ogden College of Science & Engineering
Department of Architectural and Manufacturing Sciences
Proposal to Revise Course Number
(Consent Item)

Contact Person: K. Brent Askins Brent.Askins@wku.edu 745-3251

1. Identification of course:

1.1 AMS 300 (formerly SEC 300)
1.2 Title: Investigations in Secondary Education
1.3 Credit hours: 1hr, 2hr, 3hr

2. Proposed course number: AMS 330

3. Rationale for the revision of course number: Competing number in AMS

4. Proposed term for implementation: Fall 07

5. Dates of prior committee approvals:

Department of Architectural & Manufacturing Sciences	___1/11/07_____
Ogden College Curriculum Committee	___2/1/07_____
Professional Education Council	___2/14/07_____
University Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 1/16/07

Ogden College of Science & Engineering
Department of Architectural and Manufacturing Sciences
Proposal to Revise Course Number
(Consent Item)

Contact Person: K. Brent Askins Brent.Askins@wku.edu 745-3251

1. Identification of course:

1.1 AMS 364 (formerly SEC 364)
1.2 Title: Methods in Vocational Education
1.3 Credit hours: 3hr

2. Proposed course number: AMS 331

3. Rationale for the revision of course number: Competing number in AMS

4. Proposed term for implementation: Fall 07

5. Dates of prior committee approvals:

Department of Architectural & Manufacturing Sciences	___1/11/07_____
Ogden College Curriculum Committee	___2/1/07_____
Professional Education Council	___2/14/07_____
University Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 1/16/07

Ogden College of Science & Engineering
Department of Architectural and Manufacturing Sciences
Proposal to Revise Course Number
(Consent Item)

Contact Person: K. Brent Askins Brent.Askins@wku.edu 745-3251

1. Identification of course:

1.1 AMS 365 (formerly SEC 365)
1.2 Title: Foundations of Industrial, Vocational and Career Education
1.3 Credit hours: 3hr

2. Proposed course number: AMS 332

3. Rationale for the revision of course number: Competing number in AMS

4. Proposed term for implementation: Fall 07

5. Dates of prior committee approvals:

Department of Architectural & Manufacturing Sciences	___1/11/07_____
Ogden College Curriculum Committee	___2/1/07_____
Professional Education Council	___2/14/07_____
University Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 1/16/07

Ogden College of Science & Engineering
Department of Architectural and Manufacturing Sciences
Proposal to Revise Course Number
(Consent Item)

Contact Person: K. Brent Askins Brent.Askins@wku.edu 745-3251

1. Identification of course:

1.1 AMS 366 (formerly SEC 366)
1.2 Title: Instructional Media and Curriculum in Industrial, Vocational and Career Education
1.3 Credit hours: 3hr

2. Proposed course number: AMS 333

3. Rationale for the revision of course number: Competing number in AMS

4. Proposed term for implementation: Fall 07

5. Dates of prior committee approvals:

Department of Architectural & Manufacturing Sciences	___1/11/07_____
Ogden College Curriculum Committee	___2/1/07_____
Professional Education Council	___2/14/07_____
University Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 1/16/07

Ogden College of Science & Engineering
Department of Architectural and Manufacturing Sciences
Proposal to Revise Course Number
(Consent Item)

Contact Person: K. Brent Askins Brent.Askins@wku.edu 745-3251

1. Identification of course:

1.1 AMS 370 (formerly SEC 370)
1.2 Title: Workshop in Vocational Education Classroom/Laboratory Management
1.3 Credit hours: 3hr

2. Proposed course number: AMS 334

3. Rationale for the revision of course number: Competing number in AMS

4. Proposed term for implementation: Fall 07

5. Dates of prior committee approvals:

Department of Architectural & Manufacturing Sciences	___1/11/07_____
Ogden College Curriculum Committee	___2/1/07_____
Professional Education Council	___2/14/07_____
University Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 1/16/07

Ogden College of Science & Engineering
Department of Architectural and Manufacturing Sciences
Proposal to Revise Course Number
(Consent Item)

Contact Person: K. Brent Askins Brent.Askins@wku.edu 745-3251

1. Identification of course:

1.1 AMS 463 (formerly SEC 463)
1.2 Title: Supervised Student Teaching in Vocational, Industrial, and Technical Education
1.3 Credit hours: 4hr

2. Proposed course number: AMS 435

3. Rationale for the revision of course number: Competing number in AMS

4. Proposed term for implementation: Fall 07

5. Dates of prior committee approvals:

Department of Architectural & Manufacturing Sciences	___1/11/07_____
Ogden College Curriculum Committee	___2/1/07_____
Professional Education Council	___2/14/07_____
University Curriculum Committee	_____
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 2/16/07

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

Contact Person: Dr. Walter Collett, walter.collett@wku.edu, 5-2016

1. Identification of course:

1.1 Current course prefix (subject area) and number: EE 250
1.2 Course title: Fundamentals of Electrical Engineering
1.3 Credit hours: 4

2. Rationale for the course deletion:
A new course with the same title, EE 350 – Fundamentals of Electrical Engineering, will replace this course. Required material content, delivery method, and pre- and co-requisites have changed enough to justify the new course proposal, and the deletion of EE 250.

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

4. Proposed term for implementation: Fall 2007.

5. Dates of prior committee approvals:

Engineering Department: 2/16/07

Ogden Curriculum Committee 3/1/07

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 2/1/06

Ogden College of Science & Engineering
Department of Engineering
Proposal to Delete a Course
(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 416
1.2 Course title: Construction Administration
1.3 Credit hours: 3

2. Rationale for the course deletion:
CE 416 has been a technical elective for civil engineering students and a required course for construction management students. The AMS Department is terminating this requirement and has created a new course (CM 400) with nearly the same content. That new course will be a technical elective for civil engineering students.

3. Effect on current students or other departments, if known:
None. Please see the rationale in Section 2.

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Engineering Department: _____2/2/07_____

OCSE Curriculum Committee _____2/2007_____

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 2/1/07

Ogden College of Science and Engineering
Department of Engineering
Proposal to Delete Multiple Courses
(Consent Item)

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

1. Identification of courses:

Current course prefix (subject area), number, course title, credit hours:

- CET 216, Surveying I, 3
- CET 218, Lab Surveying I, 1
- CET 316, Surveying II, 3
- CET 318, Lab Surveying II, 1
- CET 326, Intro to Constr Management, 3
- CET 338, Materials of Construction, 2
- CET 346, Soil Mechanics, 3
- CET 348, Lab Soil Mechanics, 1
- CET 356, Structural Analysis & Design I, 3
- CET 366, Constructn Equip & Meth, 3
- CET 376, Drainage Design, 3
- CET 386, Constr Estimating & Bid, 3
- CET 416, Surveying III, 3
- CET 418, Lab Surveying III, 1
- CET 436, Construction Administration, 3
- CET 456, Struct Analysis & Design II, 3
- CET 475, Selected Topics in CET, 1.5 – 3.0
- CET 476, Construction Contracts & Specs, 3
- CET 498, CET Senior Project, 3

2. Rationale for the course deletion:

These are courses for a program from the old Engineering Technology Department. This program has been discontinued, and no new students have been admitted since 2001. No students are currently enrolled in this program.

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

None; no other departments or programs used these courses, and all degree programs for this major have expired.

4. Proposed term for implementation:

Fall 2007

5. Dates of prior committee approvals:

Department of Engineering: _____12/2006_____

OCSE Curriculum Committee _____2/2007_____

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 11/29/06

Ogden College of Science and Engineering
Department of Engineering
Proposal to Delete a Program
(Consent Item)

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

1. Identification of program:

1.1 Program reference number: 535
1.2 Program title: Civil Engineering Technology
1.3 Credit hours: 65 hours

2. Rationale for the program deletion:
This is a program from the old Engineering Technology Department. This program has been discontinued, and no new students have been admitted since 2001.

3. Effect on current students or other departments, if known:
None. No students are currently enrolled in this program, and all degree programs for this major have expired.

4. Proposed term for implementation:
Fall 2007

5. Dates of prior committee approvals:

Engineering Department: _____12/2006____

OCSE Curriculum Committee _____2/2007_____

University Curriculum Committee _____

University Senate _____

Attachment: Program Inventory Form

Proposal Date: 01/22/2007

Ogden College of Science and Engineering
Department of Physics and Astronomy
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Richard Gelderman, richard.gelderman@wku.edu, 745-6203

1. **Identification of course:**

   1.1 Current course prefix and number: ASTR 405
   1.2 Course title: Astronomy for Teachers
   1.3 Credit hours: 3.0

2. **Current prerequisites/corequisites/special requirements:**
   none

3. **Proposed prerequisites/corequisites/special requirements:**
   ASTR 104 OR ASTR 106 OR ASTR 108 OR ASTR 214

4. **Rationale for the revision of prerequisites/corequisites/special requirements:**
   We wish to explicitly state the expectation that students enrolled in this class are dealing with the material on at least an intermediate, if not mastery, level. It is not intended to be an introduction to astronomy.

5. **Effect on completion of major/minor sequence:**
   None. This course is not taken by physics majors/minors, nor by astronomy minors.

6. **Proposed term for implementation:** Fall 2007

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

   Department of Physics and Astronomy: 31 Jan 2007

   OCSE Curriculum Committee: 1 Feb 2007

   Professional Education Council: 14 Feb 2007

   University Curriculum Committee: _____

   University Senate: _____

Attachment: Course Inventory Form

Proposal Date: 01/22/2007

Ogden College of Science and Engineering
Department of Physics and Astronomy
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Richard Gelderman, richard.gelderman@wku.edu, 745-6203

1. **Identification of course:**
   - 1.1 Current course prefix and number: PHYS 410
   - 1.2 Course title: Physics for Teachers
   - 1.3 Credit hours: 3.0

2. **Current prerequisites/corequisites/special requirements:**
   none

3. **Proposed prerequisites/corequisites/special requirements:**
   PHYS 201 OR PHYS 231 OR PHYS 255

4. **Rationale for the revision of prerequisites/corequisites/special requirements:**
   We wish to explicitly state the expectation that students enrolled in this class are dealing with the material on at least an intermediate, if not mastery, level. It is not intended to be an introduction to physics.

5. **Effect on completion of major/minor sequence:**
   None, this course counts only toward graduation for physics majors seeking certification as secondary teachers. All majors will have taken years of physics before they enroll in this capstone course

6. **Proposed term for implementation:** Fall 2007

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

   Department of Physics and Astronomy: 31 Jan 2007

   OCSE Curriculum Committee: 1 Feb 2007

   Professional Education Council: 14 Feb 2007

   University Curriculum Committee: _____

   University Senate: _____

Attachment: Course Inventory Form

Proposal Date: 1/23/07

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

Contact Person: Dr. Walter Collett, walter.collett@wku.edu, 5-2016

1. Identification of course:

1.1 Current course prefix (subject area) and number: EE 330
1.2 Course title: Intro. to Power Systems
1.3 Credit hours: 4

2. Revise course number:

2.1 Current course number: EE 330
2.2 Proposed course number: EE 431
2.3 Rationale for revision of course number:
The EE faculty believes that a more in-depth background in electromagnetic fields, as presented in EE 473, is necessary to better prepare students for this course. Revising the course number will reflect the requirement of a senior-level prerequisite.

3. Revise course prerequisites/corequisites/special requirements:

3.1 Current prerequisites:
EE 211, MATH 327, PHYS 260/261
3.2 Proposed prerequisites:
EE 211, MATH 327, EE 473
3.3 Rationale for revision of course prerequisites/corequisites/special requirements:
The EE faculty believes that a more in-depth background in electromagnetic fields, as presented in EE 473 – Introduction to Electromagnetic Fields and Waves, is necessary to better prepare students for this course.
3.4 Effect on completion of major/minor sequence:
None.

4. Revise course credit hours:

4.1 Current course credit hours: 4
4.2 Proposed course credit hours: 3
4.3 Rationale for revision of course credit hours:
From experience, the EE faculty have determined that three hours is sufficient to cover the course content.

6. Proposed term for implementation: Fall 2007

7. Dates of prior committee approvals:

Engineering Department/Division: 2/16/07

OSCE Curriculum Committee 3/1/07

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date:

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

Contact Person: Dr. Walter Collett, walter.collett@wku.edu, 5-2016

1. Identification of course:

1.1 Current course prefix (subject area) and number: EE 430
1.2 Course title: Power Systems II
1.3 Credit hours: 3

2. Revise course number:

3.1 Current course number: EE 430
3.2 Proposed course number: EE 432
3.3 Rationale for revision of course number:
The current prerequisite for this course, EE 330, will be renumbered to EE 431. Renumbering the current EE 430 to EE 432 will make room to accommodate the change, while retaining the convention that the EE 430-series designate power systems courses.

3. Revise course prerequisites/corequisites/special requirements:

4.1 Current prerequisite:
EE 330
4.2 Proposed prerequisite:
EE 431
4.3 Rationale for revision of course prerequisites/corequisites/special requirements:
The current prerequisite for this course, EE 330, will be renumbered to EE 431.
4.4 Effect on completion of major/minor sequence: None.

4. Proposed term for implementation: Fall 2007

5. Dates of prior committee approvals:

Engineering Department/Division: 2/16/07

Ogden Curriculum Committee _____3/1/07_____

University Curriculum Committee _____

University Senate _____

Attachment: Course Inventory Form

Proposal Date: 01/22/2007

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

Contact Person: Doug Harper, doug.harper@wku.edu, 745-6194

1. Identification of course:

1.1 Current course prefix and number: PHYS 250
1.2 Course title: University Physics I
1.3 Credit hours: 3.0

2. Revise course title:

2.1 Current course title: University Physics I
2.2 Proposed course title: Introductory Mechanics
2.3 Proposed abbreviated title: Introductory Mechanics
2.4 Rationale for revision of course title:
The current 12-hour, three-semester sequence of calculus-based physics (PHYS 250/251, 260/261, 270/271) is being replaced by a 10-hour, two-semester sequence (PHYS 255/256, 265/266). We wish to conform with the tendency throughout the nation to refer to calculus-based physics for scientists, engineers and mathematicians as "University Physics" and are transferring that name to the new course sequence. However, the first-two courses in the old sequence will have to exist for a period of time and they need a replacement name. Enrollment in PHYS 250 will be restricted to Engineering students as the new name reflects.

3. Revise course prerequisites/corequisites/special requirements:

3.1 Current
Prerequisites: MATH 118 or equivalent
Corequisites: PHYS 251 and MATH 126 or equivalent. (Course and laboratory must be taken together or dropped together.)

3.2 Proposed
Prerequisites: MATH 126 with C or better
Corequisites: PHYS 251 and MATH 227. (Course and laboratory must be taken together or dropped together.)

3.3 Rationale for revision
Students with more advanced math skills perform better in physics courses. Our anecdotal experience is supported by a strong correlation between the grade distribution and the highest level of math class taken before enrolling in PHYS 250. Shifting Calculus I from a co- to a pre-requisite and requiring a C or better will increase student success. Topics from differential and integral calculus are required in PHYS 250 prior to the time that they are covered in Calculus I making the pre-requisite of MATH 126 more appropriate.

3.4 Effect on completion of major/minor sequence:
None. Physics majors will no longer take this course.

4. Revise course catalog listing:

4.1 Current course catalog listing:

This is the first course in the sequence of general physics (250-260-270) suggested for students in the following programs: chemistry, computer science, geology, geophysics, mathematics, physics, dual-degree and pre-engineering. Definitions, concepts, and problem solving will be emphasized. Topics include mechanics (equilibrium, motion, forces, work, energy, impulse, momentum and gravitation. It is recommended that a strong high school mathematics background precede this course. Calculus will be used sparingly.

4.2 Proposed course catalog listing:

This is a calculus-based physics presentation of mechanics suggested for students in Engineering. Definitions, concepts, and problem solving will be emphasized. Topics include kinematics, dynamics, energy, conservation laws, rotation and equilibrium.

4.3 Rationale for revision of course catalog listing:

The proposed catalog revision reflects the fact that the course is being retained solely for engineering disciplines which require it for their programs.

5. Proposed term for implementation: Fall 2007

6. Dates of prior committee approvals:

Department of Physics and Astronomy:	01-31-2007
OCSE Curriculum Committee	02-01-2007
Professional Education Council	02-14-2007
General Education Committee	
University Curriculum Committee	
University Senate	

Attachment: Course Inventory Form

Proposal Date: 01/22/2007

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

Contact Person: Doug Harper, doug.harper@wku.edu, 745-6194

1. Identification of course:

1.1	Current course prefix and number:	PHYS 251
1.2	Course title:	Laboratory for University Physics I
1.3	Credit hours:	1.0

2. Revise course title:

2.1	Current course title:	Laboratory for University Physics I
2.2	Proposed course title:	Introductory Mechanics Laboratory
2.3	Proposed abbreviated title:	Introductory Mechanics Lab

2.4 Rationale for revision of course title:
The current 12-hour, three-semester sequence of calculus-based physics (PHYS 250/251, 260/261, 270/271) is being replaced by a 10-hour, two-semester sequence (PHYS 255/256, 265/266). We wish to conform with the tendency throughout the nation to refer to calculus-based physics for scientists, engineers and mathematicians as "University Physics" and are transferring that name to the new course sequence. However, the first two courses in the old sequence will have to exist for a period of time and they need a replacement name. Enrollment in PHYS 251 will be restricted to Engineering students as the new name reflects.

3. Revise course prerequisites/corequisites/special requirements:

3.1 Current
Corequisites: PHYS 250 and MATH 126 or equivalent. (Course and laboratory must be taken together or dropped together.)

3.2 Proposed
Corequisites: PHYS 250. (Course and laboratory must be taken together or dropped together.)

3.3 Rationale for revision
MATH 126 is being moved to a pre-requisite for PHYS 250.

3.4 Effect on completion of major/minor sequence:
None. Physics majors will no longer take this course.

4. Proposed term for implementation: Fall 2007

5. Dates of prior committee approvals:

Department of Physics and Astronomy:	01-31-2007
OCSE Curriculum Committee	02-01-2007
Professional Education Council	02-14-2007
General Education Committee	
University Curriculum Committee	
University Senate	

Attachment: Course Inventory Form

Proposal Date: 01/22/2007

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

Contact Person: Doug Harper, doug.harper@wku.edu, 745-6194

1. Identification of course:

1.1 Current course prefix and number: PHYS 260
1.2 Course title: University Physics II
1.3 Credit hours: 3.0

2. Revise course title:

2.1 Current course title: University Physics II
2.2 Proposed course title: Introductory Electricity and Magnetism
2.3 Proposed abbreviated title: Intro Electricity & Magnetism
2.4 Rationale for revision of course title:
The current 12-hour, three-semester sequence of calculus-based physics (PHYS 250/251, 260/261, 270/271) is being replaced by a 10-hour, two-semester sequence (PHYS 255/256, 265/266). We wish to conform with the tendency throughout the nation to refer to calculus-based physics for scientists, engineers and mathematicians as "University Physics" and are transferring that name to the new course sequence. However, the first-two courses in the old sequence will have to exist for a period of time and they need a replacement name. Enrollment in PHYS 250 will be restricted to Engineering students as the new name reflects.

3. Revise course prerequisites/corequisites/special requirements:

3.1 Current
Prerequisites: PHYS 250/251 and MATH 126 or equivalent.
Corequisites: PHYS 261 and MATH 227 or equivalent. (Course and laboratory must be taken together or dropped together.)

3.2 Proposed
Prerequisites: PHYS 250 with a C or better and MATH 227 with C or better.
Corequisites: PHYS 261. (Course and laboratory must be taken together or dropped together.)

3.3 Rationale for revision
Students who earn lower than a C in PHYS 250 have a very poor success rate in PHYS 260. Shifting Calculus II from a co- to a pre-requisite and requiring a C or better will further increase student success.

3.4 Effect on completion of major/minor sequence:
None. Physics majors will no longer take this course.

4. Revise course catalog listing:

4.1 Current course catalog listing:
This is the second course in the general physics sequence (250-260-270) suggested for students in the physical sciences and mathematics. Definitions, concepts and problem solving will be emphasized. Topics include electricity and magnetism (material properties; electric and magnetic fields, forces, energy; induction, potential, charged particle motion, and circuits).

4.2 Proposed course catalog listing:
This is a calculus-based physics presentation of electricity and magnetism suggested for students in Engineering. Definitions, concepts, and problem solving will be emphasized. Topics include electric and magnetic fields, forces, energy induction, potential, charged particle motion, material properties and circuits.

4.3 Rationale for revision of course catalog listing:
The proposed catalog revision reflects the fact that the course is being retained solely for engineering disciplines which require it for their programs.

5. Proposed term for implementation: Spring 2008

6. Dates of prior committee approvals:

Department of Physics and Astronomy:	01-31-2007
OCSE Curriculum Committee	02-01-2007
Professional Education Council	02-14-2007
General Education Committee	
University Curriculum Committee	
University Senate	

Attachment: Course Inventory Form

Proposal Date: 01/22/2007

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

Contact Person: Doug Harper, doug.harper@wku.edu, 745-6194

1. Identification of course:

1.1 Current course prefix and number: PHYS 261
1.2 Course title: Laboratory for University Physics II
1.3 Credit hours: 3.0

2. Revise course title:

2.1 Current course title: Laboratory for University Physics II
2.2 Proposed course title: Introductory Electricity and Magnetism Laboratory
2.3 Proposed abbreviated title: Intro Electricity & Mag. Lab
2.4 Rationale for revision of course title:
The current 12-hour, three-semester sequence of calculus-based physics (PHYS 250/251, 260/261, 270/271) is being replaced by a 10-hour, two-semester sequence (PHYS 255/256, 265/266). We wish to conform with the tendency throughout the nation to refer to calculus-based physics for scientists, engineers and mathematicians as "University Physics" and are transferring that name to the new course sequence. However, the first two courses in the old sequence will have to exist for at least another year and they need a replacement name. Enrollment in PHYS 261 will be restricted to Engineering students as the new name reflects.

3. Revise course prerequisites/corequisites/special requirements:

3.1 Current
Corequisites: PHYS 260 and MATH 227 or equivalent. (Course and laboratory must be taken together or dropped together.)

3.2 Proposed
Corequisites: PHYS 260. (Course and laboratory must be taken together or dropped together.)

3.3 Rationale for revision
MATH 227 is being moved to a pre-requisite for PHYS 260.

3.4 Effect on completion of major/minor sequence:
None. Physics majors will no longer take this course.

4. Proposed term for implementation: Spring 2008

5. Dates of prior committee approvals:

Department of Physics and Astronomy:	01-31-2007
OCSE Curriculum Committee	02-01-2007
Professional Education Council	02-14-2007
General Education Committee	
University Curriculum Committee	
University Senate	

Attachment: Course Inventory Form

Proposal Date: 2/16/07

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

Contact Person: Dr. Walter Collett, walter.collett@wku.edu, 5-2016

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: EE 350
1.2 Course title: Fundamentals of Electrical Engineering
1.3 Abbreviated course title: Fundamentals of EE
1.4 Credit hours and contact hours: 4 (4 hours lecture)
1.5 Type of course: L (Lecture)
1.6 Prerequisites/corequisites:
Prerequisite: PHYS 260
Corequisite: MATH 331
1.7 Course catalog listing:
An introductory course in electrical engineering. Topics include circuit analysis, digital electronics, and energy conversion devices such as magnetic circuits and rotating machinery. Not acceptable as credit for EE majors.

2. Rationale:

2.6 Reason for developing the proposed course:
This course is replacing EE 250 as a required service course in the Mechanical Engineering curriculum. The course is an introduction to electrical engineering for mechanical engineering students. The current requirement of EE 250 does not permit treatment of the subject matter at the required level. A prerequisite of PHYS 260 and a corequisite of MATH 331 will better prepare students for the subject matter, and also justify this new course offering at a junior level.
2.7 Projected enrollment in the proposed course:
This course will have approximately 20-25 students per offering.
2.8 Relationship of the proposed course to courses now offered by the department:
This is a survey course for the mechanical engineering students. The content is similar to courses offered in the electrical engineering program, but is presented to a different audience at a different level.
2.9 Relationship of the proposed course to courses offered in other departments:
No other department offers a course covering the required topics with sufficient mathematics suitable for the mechanical engineering program.
2.10 Relationship of the proposed course to courses offered in other institutions:

Courses of this nature are very commonly required in mechanical engineering curricula nationwide, to prepare ME students to address engineering problems of an interdisciplinary nature.

3. Discussion of proposed course:

3.2 Course objectives:

The objective of this course is to provide a suitable foundation for mechanical engineering majors in core electrical engineering subjects, and to help prepare ME students to pass the Fundamentals of Engineering exam.

3.3 Content outline:

- Introduction to circuits
- Resistive circuits; inductance and capacitance
- Steady-state analysis; transients
- Logic circuits
- Magnetic circuits and transformers
- DC machines
- AC machines

3.4 Student expectations and requirements:

Students are required to attend class and complete homework and examinations. The students' grades will be based upon the performance of the above criteria.

3.5 Tentative texts and course materials:

Electrical Engineering, Principles and Applications, 3rd Edition, Allen Hambley.

4. Resources:

4.3 Library resources:

See attached Library Resources form.

4.4 Computer resources:

No computing resources beyond what is currently available in the WKU Engineering Department will be required.

5. Budget implications:

5.5 Proposed method of staffing:

Faculty of the department with credentials in the appropriate discipline will teach this course.

5.6 Special equipment needed:

The Department of Engineering has a sufficient inventory of equipment to deliver this course.

5.7 Expendable materials needed:

No expendable materials needed.

5.8 Laboratory materials needed:

No laboratory materials needed.

6. Proposed term for implementation: Fall 2007

7. Dates of prior committee approvals:

Engineering Department/Division:	2/16/07
Ogden Curriculum Committee	3/1/07
University Curriculum Committee	
University Senate	

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Proposal Date: January 16, 2007

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

Contact Person: Mark Cambron, mark.cambron@wku.edu, (270) 745-8868

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: EE 405
1.2 Course title:
EE Senior Research Seminar
1.3 Abbreviated course title:
EE Senior Research Seminar
1.4 Credit hours and contact hours:
1 credit hour, 1 contact hour
1.5 Type of course:
S, Seminar
1.6 Corequisites:
EE 401 or permission of instructor
1.7 Course catalog listing:
Contemporary topics in electrical and computer engineering, literature surveys, scientific reporting, peer reviews and intellectual property.

2. Rationale:

2.1 Reason for developing the proposed course:
The purpose of this course is to introduce students to an array of current research areas in electrical and computer engineering; to introduce them to searching the literature within electrical engineering and related fields; to introduce them to the requirements, both technical and ethical, for scientific reporting; and to introduce them to the peer review process.
2.2 Projected enrollment in the proposed course:
This course will have approximately 20-25 students per offering (once per year) based on the number of electrical engineering students. If demand requires, more frequent scheduling is possible.
2.3 Relationship of the proposed course to courses now offered by the department:
EE 405 will be a required course in the senior year of the electrical engineering curriculum.
2.4 Relationship of the proposed course to courses offered in other departments:
No other department offers a course with this topical coverage suitable for the electrical engineering program. However, several departments offer upper level seminar courses including:
BIOL 486 (Senior Environmental Seminar),
CHEM 486 (Senior Environmental Seminar),
GEOL 486 (Senior Environmental Seminar)

2.5 Relationship of the proposed course to courses offered in other institutions:
Many institutions offering seminar courses in electrical engineering including:
EE 400 Seminar, Montana State University
ECSE 2900 ECSE Honors Seminar, Rensselear Polytechnic Institute
EE 191 Seminar in Electrical Engineering, UC Riverside
EE 330 Environmental Seminar I, New Mexico State

3. Discussion of proposed course:

3.1 Course objectives:

Students will learn to

- Describe the scope, application and the tools of engineering research and identify open research problems in the field.
- Perform a literature search within electrical engineering and related fields.
- Describe the differences between peer-reviewed and non-peer-reviewed references.
- Describe the difference between primary, secondary, and higher-order references.
- Analyze scenarios involving ethical issues in technical and research communication.
- Write a research paper.
- Review a research paper.
- Prepare and deliver a presentation.

3.2 Content outline:

- The field of electrical and computer engineering: an overview
- Faculty presentations on contemporary topics in EE.
- Presentations in engineering ethics
- Definition, purpose, and means of scientific communication – what qualifies as a stand-alone scientific article? Types of articles and who writes them: original study, review paper, tutorial review, tutorial.
- Locating and tracking a study in the literature. Online databases.
- Anatomy of a research paper: components of a scientific document; reporting a theoretical result; reporting an experimental result; surveying a topic.
- Publishing a paper: choosing appropriate journals/conferences in a specific field of study. The review process and replying to reviews/comments. Case studies.
- Presentation on copyright, patent and contract laws.
- IEEE presentation.
- Tour of laboratories
- Student presentations.

3.3 Student expectations and requirements:
Student teams will be expected to conduct a literature survey and submit a report. Each team will give a presentation. Students will be expected to attend all presentations.

3.4 Tentative texts and course materials:
R.A. Day and B. Gastel, How to Write and Publish a Scientific Paper, 6th Ed Greenwood Press, 2006.

4. Resources:

4.1 Library resources:
Students will use online databases to conduct literature surveys.

4.2 Computer resources:
No computing resources beyond what is currently available in the WKU Engineering Department will be required.

5. Budget implications:

5.1 Proposed method of staffing:
The EE program is offered jointly with the University of Louisville. Faculty of the joint program with credentials in the appropriate discipline will teach this course.

5.2 Special equipment needed:
No special equipment is needed.

5.3 Expendable materials needed:
No expendable materials needed.

5.4 Laboratory materials needed:
No laboratory material is needed for this course.

6. Proposed term for implementation:

Fall 2007

7. Dates of prior committee approvals:

Department of Engineering	16 Feb 2007
Ogden College Curriculum Committee	1 March 2007
University Curriculum Committee	_____
University Senate	_____

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

Proposal Date: January 16, 2007

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

Contact Person: Mark Cambron, mark.cambron@wku.edu, (270) 745-8868

1. Identification of proposed course:

1.1 Course prefix (subject area) and number:
EE 443

1.2 Course title:
Microfabrication and MEMS

1.3 Abbreviated course title:
Microfabrication and MEMS

1.4 Credit hours and contact hours:
3 credit hour, 3 contact hour

1.5 Type of course:
L, Lecture

1.6 Prerequisites:
EE 420
CHEM 116 or CHEM 120

1.7 Course catalog listing:
Microfabrication techniques including cleanroom technology, lithography, thermal oxidation, diffusion, ion implantation, film deposition, etching, micromachining, wafer-level bonding/polishing, and packaging yield. Microtechnology measurement and analysis techniques. Process simulation. CAD device-layout. Microelectromechanical systems (MEMS) and microelectric technology and applications. Material issues for MEMS/microelectronics.

2. Rationale:

2.1 Reason for developing the proposed course:
Micro-Electro-Mechanical Systems (MEMS) is the integration of mechanical elements, sensors, actuators, and electronics on a common silicon substrate through microfabrication technology. MEMS is an enabling technology allowing the development of smart products, augmenting the computational ability of microelectronics with the perception and control capabilities of microsensors and microactuators and expanding the space of possible designs and applications. EE 443 is designed as an introduction to the fundamentals of microfabrication technology.

2.2 Projected enrollment in the proposed course:
This course will have approximately 5-20 students per offering based on enrollment in the electrical engineering program.

2.3 Relationship of the proposed course to courses now offered by the department:
EE 443 will be included in the list of technical electives.

2.4 Relationship of the proposed course to courses offered in other departments:
No other department offers a course with this topical coverage suitable for the engineering program.

2.5 Relationship of the proposed course to courses offered in other institutions:
This course is being modeled after the University of Louisville course ECE 543 (Introduction to Microfabrication and MEMS). Similar courses are taught at several universities; for example:

- ME 4385 Introduction to Microsystems, Texas Tech University
- MEM 471 Introduction to Microfabrication, Drexel University
- ECE 3642, Microelectromechanical Systems, Northeastern University

3. Discussion of proposed course:

3.1 Course objectives:
Students are introduced to the fundamentals of microfabrication technology and its application to the fields of MEMS (microelectromechanical systems) and general microelectronics. Various aspects of MEMS technology and its numerous applications are presented. Computer simulation and design tools for MEMS and microfabrication processes are implemented.

3.2 Content outline:

- Cleanroom principles
- Microfabrication processes
- Measurement and analysis techniques
- MEMS technology
- MEMS applications
- Microelectronic applications
- Materials for MEMS and microelectronics
- Process modeling
- Device layout
- MUMPs and L-EDIT
- Examinations

3.3 Student expectations and requirements:
Students are required to attend class. Grades will be based on their performance on homework, examinations, and project assignments.

3.4 Tentative texts and course materials:
Introduction to Microelectronic Fabrication, Richard C. Jeager

4. Resources:

4.1 Library resources:
The resources available at the WKU Library are adequate for the proposed course.

4.2 Computer resources:
No computing resources beyond what is currently available in the WKU Engineering Department will be required.

5. Budget implications:

5.1 Proposed method of staffing:
The EE program is offered jointly with the University of Louisville. Faculty of the joint program with credentials in the appropriate discipline will teach this course.

5.2 Special equipment needed:
No special equipment is needed.
5.3 Expendable materials needed:
No expendable materials needed.
5.4 Laboratory materials needed:
No laboratory material is needed for this course.

6. Proposed term for implementation:
Fall 2007

7. Dates of prior committee approvals:

Department of Engineering 16 Feb 2007_

Ogden College Curriculum Committee 1 March 2007

University Senate Curriculum Committee _____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

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

Contact Person: Joel Lenoir, joel.lenoir@wku.edu, 745-6858

1. Identification of proposed course

1.1 Prefix and number: ME 180

1.2 Title: Freshman Design II

1.3 Abbreviated title: Freshman Design II

1.4 Credit Hours and Contact Hours: 3 credit hours, 3 contact hours

1.5 Type of Course: Lecture, L

1.6 Prerequisites: ME 175 or 176, or permission from instructor; and MATH 126 with a grade of C or better.

1.7 Catalog course listing:
A continuation of the engineering design process, with an emphasis on electro-mechanical design and the use of professional engineering tools. Virtual and rapid prototypes will be developed through a series of integrated projects. Basic concepts in engineering experimentation will be introduced. Requires a grade of C or better in MATH 126.

2. Rationale

2.1 Reason for developing the proposed course:
The WKU ME faculty have a "Professional Component Plan" in place to satisfy ABET Criterion 4, Professional Component. Defined measures exist to quantify and assess student experiences in the ME program supporting Criterion 4, resulting in the formulation of the following plans:

- Engineering Design Plan (teaching and practicing design skills)
- Professional Communications Plan (conveying designs and interacting with peers)
- Computer Skills Plan (teaching and implementing design tools)
- Engineering Ethics Plan (evaluating and practicing appropriate professional behavior)

This course is intended to support the first three plans listed. It will serve as a bridge between the starting point of these plans, ME 175: Mechanical Engineering Freshman Experience, and the current second step, ME 200: Sophomore Design.

This will create an integrated six course Professional Component (ME 175, 180, 200, 300, 400, and 412) spanning from the first semester to the Capstone Experience in the last semester.

In addition, the proposed course will allow resident WKU ME faculty to have contact with students in the program during each semester. Currently WKU faculty have a contact gap of two semesters after ME 175 due to UK ITV course offerings, and this proposed course is part of an effort to alleviate this situation.

The grade of C or better in MATH 126 will allow students to utilize differential and integral calculus in the analysis of experimental data.

2.2 Projected enrollment in the proposed course:
Based on the number of students from ME 175/176 who complete MATH 126 with a grade of C of better during their first three semesters, the course should have approximately 20 students per offering. At least one section of the course will be offered each semester.

2.3 Relationship of proposed course to courses now offered by the department:
The electrical engineering course EE 175 contains an electro-mechanical application as a class project, but the proposed ME 180 would present a different approach based on engineering experimentation.

2.4 Relationship of proposed course to courses offered in other departments:
This course has limited topical overlap with courses offered in other departments. Courses with graphical communication content such as AMS 202 and 205 are available, but they do not have coverage of electro-mechanical design or engineering communication.

2.5 Relationship of proposed course to courses now offered in other institutions:
Many universities are moving towards a more integrated first-year engineering experience. These institutions typically select a focus for the year and structure the learning experiences to support it. For instance, the University of Tennessee has identified a need for greater "hands-on" practice in the Engineering College. Their "Engage Engineering Fundamentals Program" has all engineering students work on design-build experiences while completing required mathematics and physics courses. George Fox University responded to a similar challenge with their "Engineering Principles I and II", a sequence very similar the ME 175/176 and ME 180 sequence proposed for Western.

3. Description of proposed course

3.1 Course Objective
This course will enhance student design experiences through a focus on electro-mechanical engineering design and engineering experimentation.

3.2 Course Outline:

- Communication of design intent
- Creation of parametric designs
- Fundamentals of model assembly and tolerances
- Rapid and traditional prototype modeling

- Programming of PIC microcontrollers
- Integration of PIC microcontrollers to basic sensors and electromechanical systems
- Fundamentals of sensor calibration
- Reporting of experimental results

3.3 Student expectations and requirements:

Students will be evaluated with performance indicators such as design projects and engineering reports, with expectations specified by the instructor on the course handout. Multiple design projects will be assigned throughout the semester.

3.4 Tentative texts and course materials:

Machinery's Handbook, 27th edition, Oberg, et.al., Industrial Press, New York, 2004.

Instructor handouts in support of specific projects will also be provided.

4. Resources

4.1 Library resources:

See the attached library resources form.

4.2 Computer resources:

The existing department computer resources are sufficient for the computational needs of the class.

5. Budget implications

5.1 Proposed method of staffing:

Faculty of the WKU Engineering Department will deliver the course as a normally scheduled rotating assignment. This teaching load was factored into the staffing plan for the new program.

5.2 Special equipment needed:

None.

5.3 Expendable materials needed:

Sufficient materials in the Engineering Prototype Facility exist to support this course.

5.4 Laboratory supplies needed:

Sufficient setups in the Multi-Disciplinary Laboratory are available to support student projects.

6. Proposed term for implementation: Fall 2007

7. Dates of Prior Committee Approvals:

Department of Engineering 16 Feb. 2007

Ogden College of Science and Engineering	01 March 2007
University Curriculum Committee	
University Senate	

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

Contact Person: Kevin Schmaltz, kevin.schmaltz@wku.edu, 745-8859

1. Identification of proposed course

1.1 Prefix and number: ME 494

1.2 Title: WKU ME Selected Topics

1.3 Abbreviated title: WKU ME Selected Topics

1.4 Credit Hours and Contact Hours: 2 credit hours, 2 contact hours

1.5 Type of Course: Lecture, L

1.6 Prerequisites: Permission of instructor.

1.7 Catalog course listing:
An advanced special topics course delivered by WKU faculty to acquaint the undergraduate student with significant problems and developments of current interest in mechanical engineering. This course and an accompanying ME495 course will satisfy one technical elective requirement. Course is repeatable (with different topics) two times. Permission of instructor only.

2. Rationale

2.1 Reason for developing the proposed course:
This course together with an ME495 course will serve as a technical elective delivered by WKU faculty in the Mechanical Engineering program. The proposed ME494 course provides students with a foundation in an advanced mechanical engineering area, and the accompanying ME495 course would provide students with a significant design experience in that technical area. This will satisfy a WKU technical elective requirement for students in the WKU-UK Joint Program, and differentiate WKU technical electives from UK offerings, allowing faculty advisors to track student progress towards meeting the program requirements.

2.2 Projected enrollment in the proposed course:
Based on enrollments in other senior ME courses, this course will have approximately 10 students per offering. At least one section of the course will be offered annually.

2.3 Relationship of proposed course to courses now offered by the department:
This course is similar to existing three-hour courses ME 496 and ME497 courses offered by the WKU ME faculty. By offering the course in a split 2-credit and 1-credit

fashion, it will be possible to offer the course as a winter-term technical elective. A traditional 3-credit course cannot be fit into the compressed winter term timeframe. This course may expand on the content of existing courses in the ME curriculum.

2.4 Relationship of proposed course to courses offered in other departments:
This course has no known topical overlap with courses offered in other departments. The combined ME494 and ME495 are similar in scope to courses such as MATH 475: Selected Topics in Mathematics and PHYS 475: Selected Topics in Physics.

2.5 Relationship of proposed course to courses now offered in other institutions:
Special Topics courses are commonly taught in Mechanical Engineering programs, such as ME 499/599 at the University of Kentucky.

3. Description of proposed course

3.1 Course Objective
This course will present advanced Mechanical Engineering (ME) topics to add breadth and depth to the ME program.

3.2 Course Outline:
The topical content will be appropriate for an upper-division technical elective, and will be specified by the instructor on the course handout. Possible topics include Advanced Strength of Materials, Advanced Fluid Mechanics and Devices, and Energy Systems.

3.3 Student expectations and requirements:
Students will be evaluated with performance indicators such as exams and homework, with expectations specified by the instructor on the course handout. The Engineering Department Head will review the student expectations of the special topics course before the course is accepted for inclusion in the schedule bulletin.

3.4 Tentative texts and course materials:
To be specified by the instructor on the course handout.

4. Resources

4.1 Library resources:
Because this is a special topics course, no specific library resource review can be conducted. The existing library resources are appropriate for general engineering use, particularly the use of online resources and library databases, and special materials required by the course will be provided by the instructor and offering institution.

4.2 Computer resources:
The existing department computer resources are sufficient for the computational needs of the class.

5. Budget implications

5.1 Proposed method of staffing:
Faculty of the WKU Engineering Department will deliver the course as a normally scheduled rotating assignment. This teaching load was factored into the staffing plan for the new program.

5.2 Special equipment needed:
None.

5.3 Expendable materials needed:
None.

5.4 Laboratory supplies needed:
None.

6. Proposed term for implementation: Winter 2008

7. Dates of Prior Committee Approvals:

Department of Engineering	16 Feb. 2007
Ogden College of Science and Engineering	01 March 2007
University Curriculum Committee	
University Senate	

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

Contact Person: Kevin Schmaltz, kevin.schmaltz@wku.edu, 745-8859

1. Identification of proposed course

1.1 Prefix and number: ME 495

1.2 Title: WKU ME Selected Projects

1.3 Abbreviated title: WKU ME Selected Projects

1.4 Credit Hours and Contact Hours: 1 credit hour, 1 contact hours

1.5 Type of Course: Lecture, L

1.6 Prerequisites: Permission of instructor.

1.7 Catalog course listing:
An advanced special project course delivered by WKU faculty to allow undergraduate students the opportunity to execute a relevant project of current interest in mechanical engineering. This course accompanies a ME494 course, and together will satisfy one technical elective requirement. Course is repeatable (with different topics) two times. Permission of instructor only.

2. Rationale

2.1 Reason for developing the proposed course:
This course together with an ME494 course will serve as a technical elective delivered by WKU faculty in the Mechanical Engineering program. The proposed ME495 course provides students with the opportunity to execute a design project using the content covered in an advanced mechanical engineering area. This will satisfy a WKU technical elective requirement for students in the WKU-UK Joint Program, and differentiate WKU technical electives from UK offerings, allowing faculty advisors to track student progress towards meeting the program requirements.

2.2 Projected enrollment in the proposed course:
Based on enrollments in other senior ME courses, this course will have approximately 10 students per offering. At least one section of the course will be offered annually.

2.3 Relationship of proposed course to courses now offered by the department:
This course is similar to existing three-hour courses ME 496 and ME497 courses offered by the WKU ME faculty. By offering the course in a split 2-credit and 1-credit

fashion, it will be possible to offer the course whenever students have completed ME494. This course may expand on the content of existing courses in the ME curriculum.

2.4 Relationship of proposed course to courses offered in other departments:
This course has no known topical overlap with courses offered in other departments. The combined ME494 and ME495 are similar in scope to courses such as MATH 475: Selected Topics in Mathematics and PHYS 475: Selected Topics in Physics.

2.5 Relationship of proposed course to courses now offered in other institutions:
Special Topics courses are commonly taught in Mechanical Engineering programs, such as ME 499/599 at the University of Kentucky.

3. Description of proposed course

3.1 Course Objective
This course will present advanced Mechanical Engineering (ME) topics to add breadth and depth to the ME program.

3.2 Course Outline:
The topical content will be appropriate for an upper-division technical elective, and will be specified by the instructor on the course handout. Possible topics include Advanced Strength of Materials, Advanced Fluid Mechanics and Devices, and Energy Systems.

3.3 Student expectations and requirements:
Students will be evaluated with performance indicators such as design reviews and project reports, with expectations specified by the instructor on the course handout. The Engineering Department Head will review the student expectations of the special topics course before the course is accepted for inclusion in the schedule bulletin.

3.4 Tentative texts and course materials:
To be specified by the instructor on the course handout.

4. Resources

4.1 Library resources:
Because this is a special topics course, no specific library resource review can be conducted. The existing library resources are appropriate for general engineering use, particularly the use of online resources and library databases, and special materials required by the course will be provided by the instructor and offering institution.

4.2 Computer resources:
The existing department computer resources are sufficient for the computational needs of the class.

5. Budget implications

2.1 Proposed method of staffing:
Faculty of the WKU Engineering Department will deliver the course as a normally scheduled rotating assignment. This teaching load was factored into the staffing plan for the new program.

2.2 Special equipment needed:
None.

2.3 Expendable materials needed:
None.

2.4 Laboratory supplies needed:
None.

6. Proposed term for implementation: Spring 2008

7. Dates of Prior Committee Approvals:

Department of Engineering 16 Feb. 2007

Ogden College of Science and Engineering 01 March 2007

University Curriculum Committee _____

University Senate _____

Proposal Date: 1/12/2007

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

Contact Person: Richard Gelderman, richard.gelderman@wku.edu, 745-6203

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: ASTR 108
1.2 Course title: Descriptive Astronomy
1.3 Abbreviated course title: Descriptive Astronomy
1.4 Credit hours and contact hours: 3 / 3
1.5 Type of course: L (Lecture)
1.6 Prerequisites/corequisites: none / none
1.7 Course catalog listing:

Introductory survey of our universe; from observations of the Sun, Moon and stars in the sky to our understanding of planets, stars, galaxies and the overall characteristics of the cosmos.

2. Rationale:

2.1 Reason for developing the proposed course:

This will be a descriptive introduction to all of astronomy, without any prerequisite requirements and without a laboratory component. This course will be a general survey of astronomy, presented at a more basic level than the existing astronomy course offerings.

In the past years many students have commented on evaluations that interest exists for a single course that covers all of astronomy. Such interest increased after the revision of General Education requirements to allow only one course per subject area to count toward a GenEd category.

2.2 Projected enrollment in the proposed course:

We anticipate the enrollment will be greater than 200 students per semester. ASTR 104 currently attract over 600 students per semester, where the limiting factor is always the number of sections we can offer.

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

The WKU Physics and Astronomy department currently offers three distinctly different introductory level astronomy courses that satisfy the General Education DL requirement for Natural Science with a lab component. ASTR 104 (Astronomy of the Solar System) and ASTR 106 (Astronomy of Stellar Systems) form a two-semester sequence of introductory astronomy that includes an integrated laboratory component. ASTR 214 is a four-credit course that covers all aspects of astronomy, geared for science major with calculus as a pre-requisite. This proposed course will cover all aspects of astronomy but will not have a laboratory component nor any prerequisites.

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:
Many other institutions offer a one-semester general survey, either as the only course in astronomy or in addition to a more detailed sequence of astronomy courses.

3. Discussion of proposed course:

3.1 Course objectives:
A survey of the fundamental concepts of astronomy. This course introduces the origin and nature of patterns and motions in the sky, the history of astronomy, the tools of the astronomer, the makeup of our solar system, the Sun and stars, galaxies and other objects as well as the history of the universe. The student will gain an understanding of patterns and motions in the night sky, their nature and origin; the makeup and dynamics of the solar system, with emphasis on comparison and contrast between solar system objects; the sun as a star, and stellar properties in general, along with special techniques for determining these properties; and the large scale structure, dynamics and origin of our galaxy and universe. The objective of this course is to instill in the student a sense of how science is done and to develop an attitude of inquiry toward science as it is presented through the news and information media.

3.2 Content outline:

- Understanding the Universe
  - The size of the Universe
  - The scientific method, “laws” in physics
  - The laws of motion: Newton
  - Radiation and spectra
  - Telescopes
- The Solar System
  - The solar system
  - Earth as a planet
  - Terrestrial Planets (Moon, Mercury, Venus, Mars)
  - Giant planets (Jupiter, Saturn, Uranus, Neptune)
  - Moons and rings
  - Comets, asteroids and Pluto
  - The origin of the Solar System
  - Planets around other stars
- Stars and Starstuff
  - The Sun: an example of a star
  - Analyzing starlight, properties of stars
  - Evolution of stars
  - Stellar Corpses: White dwarfs, neutron stars and black holes
- The Universe: Beginning and End
  - Our Galaxy, the Milky Way
  - Search for life elsewhere
  - Other galaxies, evolution of galaxies
  - Cosmology: the nature and evolution of the universe

3.3 Student expectations and requirements:
Students will complete assignments, tests and final examination.

3.4 Tentative texts and course materials:
The Essential Cosmic Perspective; Bennett, Donahue, Voit & Schneider; Addison Wesley

4. Resources:

4.1 Library resources:
Sufficient, see attached library resources form and bibliography.

4.2 Computer resources:
Existing student computing labs and departmental computers in classrooms provide sufficient computing resources.

5. Budget implications:

5.1 Proposed method of staffing: Current staffing is sufficient.
5.2 Special equipment needed: None
5.3 Expendable materials needed: None
5.4 Laboratory materials needed: None

6. Proposed term for implementation: Fall 2007

7. Dates of prior committee approvals:

Department of Physics and Astronomy: 31 Jan 2007

OCSE Curriculum Committee 1 Feb 2007

General Education Committee _____

University Curriculum Committee _____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Proposal Date: 01/12/2007

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

Contact Person: Richard Gelderman, richard.gelderman@wku.edu, 745-6203

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: PHYS 180
1.2 Course title: Introductory Modern Physics
1.3 Abbreviated course title: Introductory Modern Physics
1.4 Credit hours and contact hours: 3 / 3
1.5 Type of course: L (Lecture)
1.6 Prerequisites: MATH 117 or 118
Corequisites: PHYS 181
1.7 Course catalog listing:

A survey of the physics revolution responsible for laptop computers, fiber optics, and nuclear power. Follows the change in physical theory from the 1870's through the 1920's, from geometrical optics and thermodynamics through the theories of relativity and the basic ideas behind quantum mechanics.

2. Rationale:

2.1 Reason for developing the proposed course:

This course introduces the most intriguing aspects of modern physics that can be presented with only algebra and trigonometry. The new course will be inserted at the beginning of the physics majors' curriculum, introducing students to the major ideas that shape contemporary views of our physical world and the behavior of matter and energy. We have consulted with other institutions that moved the most interesting modern physics to the beginning of the curriculum. Based on those communications, we expect this move will greatly increase retention and make recruiting easier.

2.2 Projected enrollment in the proposed course:

We anticipate the enrollment will be greater than 20 students per semester. It is expected that the minimal mathematics prerequisites will allow students in other majors (e.g., math, computer science, philosophy, etc.) to take this as a first physics class. Other institutions have found that similar courses were attractive to a diverse population of students in the liberal arts, business, etc. who have interest in an introduction to the workings of the modern world which is not provided through most high school experiences.

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

This course replaces the junior-level modern physics course, PHYS 320. We will continue to offer PHYS 321, Modern Physics II, and this course will be one of the pre-requisites for that course.

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:

A handful of other institutions (e.g., Colgate Univ., Univ. Wisconsin – Madison, New Mexico Tech) begin their physics curriculum with algebra-based introduction to modern physics. Contact with a number of such schools reveals that the move to "modern-first" has led to more successful recruiting and retention.

3. Discussion of proposed course:

3.1 Course objectives:

This course is intended to help students make the best possible transition from high school physics to calculus-based university physics. The objectives focus on helping the students to understand the evidence and theory supporting the most latest, hottest, weirdest and most amazing cutting-edge discoveries and applications of atomic physics, quantum mechanics, and general relativity.

The course has been designed to develop quantitative reasoning and problem solving skills. Students will be required to analyze physical situations with algebraic manipulation and applications of trigonometry. In conjunction with innovative pedagogical techniques developed through physics education research, the presentation will rely on interactive exercises and peer-instruction methodologies designed to address misconceptions and arrive at the most meaningful level of conceptual learning.

3.2 Content outline:

- The Death of Classical Physics
  - Thermodynamics
  - Geometrical Optics
- Relativity
- Quantization of Charge, Light and Energy
- Particles Behave Like Waves
- The Nature of the Atom

3.3 Student expectations and requirements:

The grade will de determined from a combination of in-class activities, homework, quizzes and exams.

3.4 Tentative texts and course materials:

Modern Introductory Physics, Holbrow, Lloyd & Amato (1998) Springer-Verlag
The New World of Mr. Tompkins, Gammow & Stannard (1999) Cambridge Press

4. Resources:

4.1 Library resources: Sufficient, see attached library resources form and bibliography

4.2 Computer resources: Existing student computing labs and departmental computers in classrooms provide sufficient computing resources.

5. Budget implications:

5.1 Proposed method of staffing: Current staffing is sufficient.
5.2 Special equipment needed: None
5.3 Expendable materials needed: None
5.4 Laboratory materials needed: None

6. Proposed term for implementation: Fall 2007

7. Dates of prior committee approvals:

Department of Physics and Astronomy:	31 Jan 2007
OCSE Curriculum Committee	1 Feb 2007
Professional Education Council	14 Feb 2007
General Education Committee	
University Curriculum Committee	
University Senate	

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Proposal Date: 01/22/2007

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

Contact Person: Richard Gelderman, richard.gelderman@wku.edu, 745-6203

1. Identification of proposed course:

1.1 Course prefix and number:	PHYS 181
1.2 Course title:	Introductory Modern Physics Laboratory
1.3 Abbreviated course title:	Introductory Modern Physics Lab
1.4 Credit hours and contact hours:	1 credit / 2 contact hours
1.5 Type of course:	B (Laboratory)
1.6 Prerequisites:	MATH 117 or 118
Corequisites:	PHYS 180

1.7 Course catalog listing:
Required for students enrolled in PHYS 180. Laboratory experience focusing on applications of optics, thermodynamics, the structure and behavior of atoms, wavelike properties of particles, and quantization of light, charge and energy.

2. Rationale:

2.1 Reason for developing the proposed course:
This course provides a laboratory experience to accompany PHYS 180, introducing the most intriguing aspects of modern physics that can be presented with only algebra and trigonometry. The new course will be inserted at the beginning of the physics majors' curriculum, introducing students to the major ideas that shape contemporary views of our physical world and the behavior of matter and energy. We have consulted with other institutions that moved the most interesting modern physics to the beginning of the curriculum. Based on those communications, we expect this move will greatly increase retention and make recruiting easier.

2.2 Projected enrollment in the proposed course:
We anticipate the enrollment will be greater than 20 students per semester. It is expected that the minimal mathematics prerequisites will allow students in other majors (e.g., math, computer science, philosophy, etc.) to take this as a first physics class. Other institutions have found that similar courses were attractive to a diverse population of students in the liberal arts, business, etc. who have interest in an introduction to the workings of the modern world which is not provided through most high school experiences.

2.3 Relationship of the proposed course to courses now offered by the department:
This course is designed to be an extension of the existing lab sequence for introductory calculus-based physics (PHYS 251/261). Some of the exercises will be redesigned from existing labs, other will be developed just for this course.

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:

A handful of other institutions (e.g., Colgate Univ., Univ. Wisconsin – Madison, New Mexico Tech) begin their physics curriculum with algebra-based introduction to modern physics and its accompanying laboratory course. Contact with a number of such schools reveals that the move to "modern-first" has led to more successful recruiting and retention.

3. Discussion of proposed course:

3.1 Course objectives:

This course is intended to help students make the best possible transition from high school physics to calculus-based university physics by helping them understand the evidence and theory supporting the latest, hottest, weirdest and most amazing cutting-edge discoveries and applications of atomic physics, quantum mechanics, and general relativity.

3.2 Content outline:

- Boyles Gas Law
- Molecular Velocities
- Electrolysis
- Properties of Waves and the Interference of Light
- Width of Human Hair from Diffraction of Laser Light
- Huygen's Principle for multiple slit interference patterns
- Michelson Interferometer
- Bragg Scattering of microwave radiation through crystal
- Balmer Emission Line Spectroscopy
- Single Photon Interference
- Millikan Oil Drop Simulation
- Cloud Chamber particle tracks

3.3 Student expectations and requirements: The grade will be determined from a combination of laboratory reports & quizzes.

3.4 Tentative texts and course materials: Manual developed by WKU faculty

4. Resources:

4.1 Library resources: Sufficient, see attached library resources form and bibliography.

4.2 Computer resources: Existing student computing labs and departmental computers in classrooms provide sufficient computing resources.

5. Budget implications:

5.1 Proposed method of staffing: Current staffing is sufficient.
5.2 Special equipment needed: none
5.3 Expendable materials needed: liquid nitrogen, available from Chemistry
5.4 Laboratory materials needed: current lab equipment is sufficient

6. Proposed term for implementation: Fall 2007

7. Dates of prior committee approvals:

Department of Physics and Astronomy: 31 January 2007

OCSE Curriculum Committee	1 Feb 2007
Professional Education Council	14 Feb 2007
General Education Committee	
University Curriculum Committee	
University Senate	

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

Proposal Date: 01/12/2007

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

Contact Person: Doug Harper, doug.harper@wku.edu, 745-6194

1. Identification of proposed course:

1.1	Course prefix (subject area) and number:	PHYS 255
1.2	Course title:	University Physics I
1.3	Abbreviated course title:	University Physics I
1.4	Credit hours and contact hours:	4 / 4
1.5	Type of course:	L (Lecture)
1.6	Prerequisites:	MATH 126
	Corequisites:	MATH 227 and PHYS 256

1.7 Course catalog listing:

This is the first half of a year-long course in calculus-based physics suggested for students in the physical sciences and mathematics. Definitions, concepts, and problem solving will be emphasized. Topics include kinematics, dynamics, energy, conservation laws, rotation, harmonic motion, mechanical waves and thermodynamics.

2. Rationale:

2.1 Reason for developing the proposed course:

This course will be one-half of a new two-semester calculus-based introductory sequence (PHYS 255/256, 265/266) that presents all of the topics for classical physics. Changing of our University Physics courses to a two-semester sequence will bring our offerings in line with what is standard for nearly all colleges in the nation. The change will also work much better for students in The Academy for Mathematics and Science in Kentucky and other science programs such as Chemistry and Meteorology, allowing them to cover all of calculus-based classical physics in one year. Completion of the proposed two-semester sequence will require 10 credit hours, instead of the 12 credit hours required for current three-semester sequence (PHYS 250/251, 260/261, 270/271).

2.2 Projected enrollment in the proposed course:

We anticipate the enrollment will average more than 40 students per semester. This course replaces PHYS 250 (for all students except engineering), thus will inherit the existing enrollment (less the engineering enrollment). We anticipate additional growth from increased numbers of students in the new meteorology major and in The Academy for Mathematics and Science in Kentucky.

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

This new sequence replaces the three-semester sequence of three-credit calculus-based physics courses currently offered (PHYS 250/260/270). For at least the first two semesters, PHYS 250 will continue to be offered for those students enrolled in programs that still require that sequence. The department also offers two other sequences of algebra-based introductory physics courses that cover the same

basic topics at a lower level, “Physics and Biophysics” (PHYS 231/332) and “College Physics” (PHYS 201/202).

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:
A two semester sequence for classical physics is the standard for nearly all colleges. This change will bring our calculus-based physics sequence in line with most of the rest of the nation.

3. Discussion of proposed course:

3.1 Course objectives:
Students will gain a complete overview of calculus-based classical physics for science, engineering and math majors.

The course has been designed to develop quantitative reasoning and problem solving skills. Students will be required to analyze physical situations with algebraic manipulation and applications of calculus. In conjunction with innovative pedagogical techniques developed through physics education research, the presentation will rely on interactive exercises and peer-instruction methodologies designed to address misconceptions and arrive at the most meaningful level of conceptual learning.

3.2 Content outline:

- Kinematics
  Physical Quantities and Units, Vectors,
  2-D Motion, Projectile Motion, 3-D motion, Circular Motion, Relative Motion
- Dynamics
  Forces, Mass and Weight, Free-Body Diagrams, Newton’s Laws of Motion,
  Friction, Circular Motion, Newton’s Laws of Gravitation
- Conservation Laws
  Work, Kinetic Energy, Power, Conservative and Non-Conservative Forces,
  Force and Potential Energy, Gravitational and Elastic Potential Energies,
  Energy Diagrams, Conservation of Momentum, Impulse, Collisions
- Rotational Motion
  Rotational Kinematics, Inertia, Rotational Energy, Torque,
  Rotational Dynamics, Conservation of Angular Momentum,
  Conditions for Equilibrium, Center of Gravity, Rigid Body Equilibrium
- Periodic Motion
  Simple Harmonic Motion, Simple Pendulum, Physical Pendulum,
  Mechanical Waves, Periodic Waves, Wave Speed, Transverse Waves,
  Energy in Wave Motion, Interference, Boundary Conditions, Superposition,
  Standing Waves and Normal Modes
- Thermodynamics
  Reflection and Refraction, Thin Lenses, Spherical Mirrors,
  Temperature and Heat, Thermal Properties of Matter,
  Laws of Thermodynamics

3.3 Student expectations and requirements:
The grade will de determined from a combination of in-class activities, homework, quizzes and exams.

3.4 Tentative texts and course materials:
University Physics, Young & Freedman (Addison Wesley)

4. Resources:

4.1 Library resources: Sufficient library resources exist

4.2 Computer resources: Existing student computing labs and departmental computers in classrooms provide sufficient computing resources.

5. Budget implications:

5.1 Proposed method of staffing: Current staffing is sufficient.
5.2 Special equipment needed: None
5.3 Expendable materials needed: None
5.4 Laboratory materials needed: None

6. Proposed term for implementation: Fall 2007

7. Dates of prior committee approvals:

Department of Physics and Astronomy: 01-31-2007

OCSE Curriculum Committee 02-01-2007

Professional Education Council 02-14-2007

General Education Committee _____

University Curriculum Committee _____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Proposal Date: 01/12/2007

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

Contact Person: Doug Harper, doug.harper@wku.edu, 745-6194

1. Identification of proposed course:

1.1 Course prefix (subject area) and number:	PHYS 256
1.2 Course title:	University Physics I Laboratory
1.3 Abbreviated course title:	University Physics I Lab
1.4 Credit hours and contact hours:	1 / 2
1.5 Type of course:	B (Lab)
1.6 Corequisites:	PHYS 255

1.7 Course catalog listing:
Required for students enrolled in PHYS 255. Students perform physics experiments in mechanics and thermodynamics which stress the fundamental definitions and laws developed in the lecture course. Students gain experience in computerized data acquisition and data analysis using modern techniques and equipment.

2. Rationale:

2.1 Reason for developing the proposed course:
This laboratory and its co-requisite lecture will be one-half of a new two-semester calculus-based introductory sequence (PHYS 255/256, 265/266) that presents all of the topics for classical physics. Changing of our University Physics courses to a two-semester sequence will bring our offerings in line with what is standard for nearly all colleges in the nation. The change will also work much better for students in The Academy for Mathematics and Science in Kentucky and other science programs such as Chemistry and Meteorology, allowing them to cover all of calculus-based classical physics in one year. Completion of the proposed two-semester sequence will require 10 credit hours, instead of the 12 credit hours required for current three-semester sequence (PHYS 250/251, 260/261, 270/271).

2.2 Projected enrollment in the proposed course:
We anticipate the enrollment will average more than 40 students per semester. This laboratory replaces PHYS 251 (for all students except engineering), thus will inherit the existing enrollment (less the engineering enrollment). We anticipate additional growth from increased numbers of students in the new meteorology major and in The Academy for Mathematics and Science in Kentucky.

2.3 Relationship of the proposed course to courses now offered by the department:
This new sequence replaces the three-semester sequence of three-credit calculus-based physics courses currently offered (PHYS 250/260/270). For at least the first two semesters, PHYS 251 will continue to be offered for those students enrolled in programs that still require that sequence. The department also offers two other sequences of algebra-based introductory physics courses that cover the same basic topics at a lower level, “Physics and Biophysics” (PHYS 231/332) and “College Physics” (PHYS 201/202).

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:
A two semester sequence for classical physics is the standard for nearly all colleges. This change will bring our calculus-based physics sequence in line with most of the rest of the nation.

3. Discussion of proposed course:

3.1 Course objectives:
Students will complete laboratory experiments which emphasize concepts discussed in the lecture. Students will also acquire important data collection and analysis skills.

3.2 Content outline:

- Graphical Analysis
- Measurements and Uncertainties
- Free Fall
- Calibration
- Newton's Second Law
- Conservation of Energy
- Impulse-Momentum Principle
- Conservation of Momentum in Collisions
- Conservation of Angular Momentum
- Harmonic Motion
- Simple Pendulum
- Coefficient of Linear Expansion
- Ideal Gases

3.3 Student expectations and requirements:
The grade will de determined from a combination of laboratory reports, pre-lab exercises and a final exam.

3.4 Tentative texts and course materials:
A laboratory manual authored by WKU faculty will be used.

4. Resources:

4.1 Library resources: Sufficient library resources exist

4.2 Computer resources: Existing student computing labs and departmental computers in classrooms provide sufficient computing resources.

5. Budget implications:

5.1 Proposed method of staffing: Current staffing is sufficient.
5.2 Special equipment needed: None
5.3 Expendable materials needed: None
5.4 Laboratory materials needed: None

6. Proposed term for implementation: Fall 2007

7. Dates of prior committee approvals:

Department of Physics and Astronomy:	01-31-2007
OCSE Curriculum Committee	02-01-2007
Professional Education Council	02-14-2007
General Education Committee	
University Curriculum Committee	
University Senate	

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

Proposal Date: 01/12/2007

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

Contact Person: Doug Harper, doug.harper@wku.edu, 745-6194

1. Identification of proposed course:

1.1 Course prefix (subject area) and number:	PHYS 265
1.2 Course title:	University Physics II
1.3 Abbreviated course title:	University Physics II
1.4 Credit hours and contact hours:	4 / 4
1.5 Type of course:	L (Lecture)
1.6 Prerequisite:	PHYS 255 and MATH 227
Corequisite:	PHYS 266

1.7 Course catalog listing:

This is the second half of a year-long course in calculus-based physics suggested for students in the physical sciences and mathematics. Definitions, concepts, and problem solving will be emphasized. Topics include electricity and magnetism (electric and magnetic fields, forces, energy, potential, charged particle motion, induction, and circuits), sound waves and optics.

2. Rationale:

2.1 Reason for developing the proposed course:

This course, and its co-requisite laboratory, will be one-half of a new two-semester calculus-based introductory sequence (PHYS 255/256, 265/266) that presents all of the topics for classical physics. Changing our University Physics courses to a two-semester sequence will bring our offerings in line with what is standard for nearly all colleges in the nation. The change will also work much better for students in The Academy for Mathematics and Science in Kentucky, and other science programs such as Chemistry and Meteorology, allowing them to cover all of calculus-based classical physics in one year. Completion of the proposed two-semester sequence will require 10 credit hours, instead of the 12 credit hours required for current three-semester sequence (PHYS 250/251, 260/261, 270/271).

2.2 Projected enrollment in the proposed course:

We anticipate the enrollment will average more than 40 students per semester. This course replaces PHYS 260 (for all students except engineering), thus will inherit the existing enrollment (less the engineering enrollment). Chemistry majors who previously only took PHYS 250 and PHYS 270 will now take this course. Also, we anticipate additional growth from increased numbers of students in the new meteorology major and in The Academy for Mathematics and Science in Kentucky.

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

This new sequence replaces the three semester sequence of three-credit calculus-based physics courses currently offered (PHYS 250/260/270). For at least the first two semesters, PHYS 260 will continue to be offered for those students enrolled in programs that still require that sequence. The department also offers two other

sequences of algebra-based introductory physics courses that cover the same basic topics at a lower level, “Physics and Biophysics” (PHYS 231/332) and “College Physics” (PHYS 201/202).

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:
A two semester sequence for classical physics is the standard for nearly all colleges. This change will bring our calculus-based physics sequence in line with most of the rest of the nation.

3. Discussion of proposed course:

3.1 Course objectives:
Students will gain a complete overview of calculus-based classical physics for science, engineering and math majors.

The course has been designed to develop quantitative reasoning and problem solving skills. Students will be required to analyze physical situations with algebraic manipulation and applications of calculus. In conjunction with innovative pedagogical techniques developed through physics education research, the presentation will rely on interactive exercises and peer-instruction methodologies designed to address misconceptions and arrive at the most meaningful level of conceptual learning.

3.2 Content outline:

- Electrostatics
  Electric Charge, Coulomb's Law,
  Electric Field due to Point Charges and due to Charge Distributions,
  Response of Charge to E Fields, Electric Dipoles and Torque on a Dipole,
  Flux, Gauss's Law, Charged Conductors, Applications of Gauss' Law,
  Electric Potential Energy, Electrical Potential, E Field from Potential,
  Capacitance, Combinations of Capacitors, Energy storage, Dielectrics
- Circuits
  Electric Current and Resistance,
  Simple Circuits, Electrical Energy and Power in Circuits,
  Resistors in series and Parallel, Kirchoff's Rules, Multi-Loop Circuits
- Magnetism
  Magnetic Fields, Magnetic Force and Torque,
  Motion of charged particles in B-field, B-field due moving charge,
  Calculating B-field due to a Current, Ampere's Law, Magnetism in Matter,
  Faraday's Law of Induction, Lenz's law, Induced EMF, Induced E-fields,
- AC Circuits
  RC and RL Circuits, Self and Mutual Inductance, LC and RLC,
  Components of AC circuits, Impedance and RLC Circuits, Transformers
- Sound Waves
  sound waves, speed of sound, standing waves, normal modes, resonance,
  interference and beats, Doppler Effect
- Optics
  Reflection and Refraction,Thin Lenses, Spherical Mirrors,
  Total Internal Reflection, Polarization,
  Interference and Thin Films, Multiple Slit Interference,
  Diffraction by a Single Slit, Multiple Slit Diffraction

- Electromagnetic Radiation
  Maxwell's Equations, Propagation of EM Waves

3.3 Student expectations and requirements:
The grade will de determined from a combination of in-class activities, homework, quizzes and exams.

3.4 Tentative texts and course materials:
University Physics, Young & Freedman (Addison Wesley)

4. Resources:

4.1 Library resources: Sufficient library resources exist
4.2 Computer resources: Existing student computing labs and departmental computers in classrooms provide sufficient computing resources.

5. Budget implications:
5.1 Proposed method of staffing: Current staffing is sufficient.
5.2 Special equipment needed: None
5.3 Expendable materials needed:None
5.4 Laboratory materials needed: None

6. Proposed term for implementation: Spring 2008

7. Dates of prior committee approvals:

Department of Physics and Astronomy: 01-31-2007

OCSE Curriculum Committee 02-01-2007

Professional Education Council 02-14-2007

General Education Committee _____

University Curriculum Committee _____

University Senate _____

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

Proposal Date: 01/12/2007

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

Contact Person: Doug Harper, doug.harper@wku.edu, 745-6194

1. Identification of proposed course:

1.1 Course prefix (subject area) and number:	PHYS 266
1.2 Course title:	University Physics II Laboratory
1.3 Abbreviated course title:	University Physics II Lab
1.4 Credit hours and contact hours:	1 / 2
1.5 Type of course:	B (Lab)
1.6 Prerequisite:	PHYS 255 and MATH 227
Corequisite:	PHYS 265

1.7 Course catalog listing:

Required for students enrolled in PHYS 265. Students perform physics experiments in electricity and magnetism, waves and optics which stress the fundamental definitions and laws developed in the lecture course. Students gain experience in computerized data acquisition and data analysis using modern techniques and equipment.

2. Rationale:

2.1 Reason for developing the proposed course:

This course, and its co-requisite laboratory, will be one-half of a new two-semester calculus-based introductory sequence (PHYS 255/256, 265/266) that presents all of the topics for classical physics. Changing our University Physics courses to a two-semester sequence will bring our offerings in line with what is standard for nearly all colleges in the nation. The change will also work much better for students in The Academy for Mathematics and Science in Kentucky, and other science programs such as Chemistry and Meteorology, allowing them to cover all of calculus-based classical physics in one year. Completion of the proposed two-semester sequence will require 10 credit hours, instead of the 12 credit hours required for current three-semester sequence (PHYS 250/251, 260/261, 270/271).

2.2 Projected enrollment in the proposed course:

We anticipate the enrollment will average more than 40 students per semester. This course replaces PHYS 261 (for all students except engineering), thus will inherit the existing enrollment (less the engineering enrollment). Chemistry majors who previously only took PHYS 251 and PHYS 271 will now take this course. Also, we anticipate additional growth from increased numbers of students in the new meteorology major and in The Academy for Mathematics and Science in Kentucky.

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

This new sequence replaces the three semester sequence of three-credit calculus-based physics courses currently offered (PHYS 250/260/270). For at least the first two semesters, PHYS 261 will continue to be offered for those students enrolled in programs that still require that sequence. The department also offers two other

sequences of algebra-based introductory physics courses that cover the same basic topics at a lower level, “Physics and Biophysics” (PHYS 231/332) and “College Physics” (PHYS 201/202).

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:
A two semester sequence for classical physics is the standard for nearly all colleges. This change will bring our calculus-based physics sequence in line with most of the rest of the nation.

3. Discussion of proposed course:

3.1 Course objectives:
Students will complete laboratory experiments which emphasize concepts discussed in the lecture. Students will also acquire important data collection and analysis skills.

3.2 Content outline:

- Electric Fields
- Ohm’s Law
- Power Transfer
- Resistors in Series and Parallel
- Wheatstone Bridge
- Temperature Coefficient of Restivity
- Current Balance
- Induced EMF
- RC and RL Circuits
- Non Linear Circuit Elements
- Speed of Sound
- Two Slit Interference
- Wavelength by Diffraction Grating

3.3 Student expectations and requirements:
The grade will de determined from a combination of laboratory reports, pre-lab exercises and a final exam.

3.4 Tentative texts and course materials:
A laboratory manual authored by WKU faculty will be used.

4. Resources:

4.1 Library resources: Sufficient library resources exist
4.2 Computer resources: Existing student computing labs and departmental computers in classrooms provide sufficient computing resources.

5. Budget implications:

5.1 Proposed method of staffing: Current staffing is sufficient.
5.2 Special equipment needed: None
5.3 Expendable materials needed:None
5.4 Laboratory materials needed: None

6. Proposed term for implementation: Spring 2008

7. Dates of prior committee approvals:

Department of Physics and Astronomy:	01-31-2007
OCSE Curriculum Committee	02-01-2007
Professional Education Council	02-14-2007
General Education Committee	
University Curriculum Committee	
University Senate	

Attachment: Bibliography, Library Resources Form, Course Inventory Form

Proposal Date: 1/20/2007

Ogden College of Science and Engineering

Department of Engineering
Proposal to Revise a Program
(Action Item)

Contact Person: Mark Cambron email: mark.cambron@wku.edu phone: 5-8868

1. Identification of program

1.1 Reference Number: 537
1.2 Current Program Title: Electrical Engineering
1.3 Credit Hours: 135.5-139.5

2. Identification of proposed changes

- EE 405 (1 hour) will be required.
- PHYS 255 (4 hours) will replace PHYS 250 (3 hours)
- PHYS 256 (1 hour) will replace PHYS 251 (1 hour)
- PHYS 265 (4 hours) will replace PHYS 260 (3 hours)
- PHYS 261 (1 hour) will not be required
- EE 431 (3 hours) will replace EE 330 (4 hours)
- EE 285 (2 hours) will not be required
- CS 239 (3 hours) will replace CS 245 (1.5 hours)
- Replace Eng 200 with B-II elective
- Replace COMM 161 with A-III elective
- Replace ECON 202 with ECON 202 or ECON 203

Credit Hours: will change from 135.5-139.5 to 136-140

3. Detailed program description:

Current Program			**Proposed Program**		
EE175	University Experience - EE	2	EE175	University Experience - EE	2
	Or			Or	
UC 175	Freshman Seminar* , and	[2]	UC 175	Freshman Seminar* , and	[2]
EE 101	Design I	[1]	EE 101	Design I	[1]
EE180	Digital Circuits	4	EE180	Digital Circuits	4
EE200	Design II	1	EE200	Design II	1
EE210	*Circuits & Networks I*	*4*	*EE210*	*Circuits & Networks I*	*4*
EE211	Circuits & Networks II	3	EE211	Circuits & Networks II	3
EE220	Intro. to Electronics	4	EE220	Intro. to Electronics	4
EE285	*Intro. to Ind. Automation*	*2*	**remove EE 285**		**(2)**
EE300	Design III	1	EE300	Design III	1
EE330	Intro. to Power Systems	4	**EE431**	**Intro. to Power Systems**	**3**
EE380	Microprocessors	4	EE380	Microprocessors	4

EE400	*Design IV*	*1*
EE401	Senior Design	3
EE420	Signals & Linear Systems	3
EE450	Digital Signal Proc.	3
EE451	*Digital Signal Proc. Lab*	*1*
EE460	Cont. Control Systems	4
EE470	Communications	3
EE473	EM Fields & Waves	3
EE475	Communications Lab	1
EE479	Fund. Of Optoelectronics	2
	EE Technical Elective I	*4*
	EE Technical Elective II	3
EM221	*Statics*	*3*
ME 365	Thermal Science for EE	3

Tech. Course Total: 66-67

Category A

ENG100	Freshman English	3
ENG300	Junior English	3
A-II	Foreign Language	3
COMM161	Public Speaking	3

Category B

ENG200	Introduction to Literature	3
B-II	Humanities Elective	3
B-II	Humanities Elective	3

Category C

HIST 119/120	Western Civ.	3
ECON202	Prin. Of Econ (micro)	3
Category C	Elective	3

Category D

Science Elective		3
PHYS250	University Physics I	3
PHYS251	University Physics I Lab	1
MATH126	Calculus I	4.5

Category E

Category E	World Cultures	3

Category F

Category F	Health Elective	1
Category F	Health Elective	1

Other Requirements

EE400	*Design IV*	*1*
EE401	Senior Design	3
EE405	**EE Senior Research Seminar**	**1**
EE420	Signals & Linear Systems	3
EE450	Digital Signal Proc.	3
EE451	*Digital Signal Proc. Lab*	*1*
EE460	Cont. Control Systems	4
EE470	Communications	3
EE473	EM Fields & Waves	3
EE475	Communications Lab	1
EE479	Fund. Of Optoelectronics	2
	EE Technical Elective I	*4*
	EE Technical Elective II	3
EM221	*Statics*	*3*
ME365	Thermal Science for EE	3

Tech. Course Total: 64-65

Category A

A-I	Freshman English	3
A-I	Junior English	3
A-II	Foreign Language	3
A-III	**Public Speaking**	**3**

Category B

B-I	**Humanities Elective**	**3**
B-II	Humanities Elective	3
B-II	Humanities Elective	3

Category C

HIST119/120	Western Civ.	3
ECON 202/203	**ECON**	**3**
Category C	Elective	3

Category D

Science Elective		3
PHYS255	**University Physics I**	**4**
PHYS256	**University Physics I Lab**	**1**
MATH126	Calculus I	4.5

Category E

Category E	World Cultures	3

Category F

Category F	Health Elective	1
Category F	Health Elective	1

MATH227 Calculus II 4.5 MATH327 Multivariable Calculus 4 MATH331 Differential Equations 3 MATH350 Advanced Engr. Math 3 or MATH307 Intro. Linear Algebra, and [3] MATH450 Complex Variables [3] STAT301 Probability & Statistics 3 PHYS260 University Physics II 3 PHYS261 University Physics II Lab 1 CS245 Intro to Programming 1.5 **Total Hours: 135.5-139.5**	**Other Requirements** MATH227 Calculus II 4.5 MATH327 Multivariable Calculus 4 MATH331 Differential Equations 3 MATH350 Advanced Engr. Math 3 or MATH307 Intro. Linear Algebra, and [3] MATH450 Complex Variables [3] STAT301 Probability & Statistics 3 **PHYS265 University Physics II 4** ***remove PHYS261 (1)*** **CS239 Prob Solving Comp Tech 3** **Total Hours: 136-140**

*EE/UC 175 is not required for transfer students.

4. Rationale of proposed program revisions:

Changes in University Physics sequence

PHYS 255 (4 hours) will replace PHYS 250 (3 hours)

PHYS 256 (1 hour) will replace PHYS 251 (1 hour)

PHYS 265 (4 hours) will replace PHYS 260 (3 hours)

PHYS 261 (1 hour) will not be required

The Physics department is modifying the University Physics sequence. EE students will be required to take the new University Physics courses: PHYS 255, PHYS 256, and PHYS 265. EE students will be allowed to substitute EE 210 for PHYS 266, since it provides an equivalent experience.

EE students will be required to take EE 405 (1 hour) – EE Senior Research Seminar

The purpose of this course is to introduce students to an array of current research areas in electrical and computer engineering; to introduce them to searching the literature within electrical engineering and related fields; to introduce them to the requirements, both technical and ethical, for scientific reporting; and to introduce them to the peer review process.

EE 431 (3 hours) will replace EE 330 (4 hours)

The EE faculty believes that a more in-depth background in electromagnetic fields, as presented in EE 473, is necessary to better prepare students for this course. Revising the course number will reflect the requirement for a senior-level prerequisite. The course will go from a 4 hour course to a 3 hour course.

EE 285 (2 hours) will not be required

Topics in EE 285 will be covered in the following courses. EE 180, EE 200, EE 380 and EE 460. EE students will not be required to take EE 285.

CS 239 (3 hours) will replace CS 245 (1.5 hours)

Electrical engineering students need to improve their ability to solve engineering problems using computational techniques. Electrical engineering programs must demonstrate that graduates have knowledge of computer science necessary to analyze and design systems. During the Fall 2004 accreditation visit by ABET (Accreditation Board for Engineering and Technology) the electrical program received a "concern" for program criteria related to computer science. The reviewer stated that although "the computer science requirement, CS 245, appears to cover many of the topics that would allow graduates to navigate higher level courses where designing complex systems is required, it appears that there is potential for some student with less computer related experience not to attain the knowledge and skill in the allotted time." A "concern" designation from ABET implies that the criterion is currently satisfied, but potential exists for this situation to change in the near future so that the criterion may not be satisfied. Positive action is required to ensure full compliance with the criterion. In addition to other changes in the EE curriculum, CS239 was developed to ensure future compliance.

Replace ECON 202 with ECON 202 or ECON 203

Students will be allowed to take either ECON 202 or ECON 203 to satisfy 3 hours of the category C general education requirement.

Replace Eng 200 with B-II elective

EE students will no longer be required to take ENG 200.

Students are required to satisfy the category B general education requirement

Replace COMM 161 with A-III elective

Students will be allowed to use either COMM 145 or COMM 161 to satisfy the A-III general education requirement.

5. Proposed term for implementation and special provisions:

Term: Fall 2007

6. Dates of prior committee approvals:

Department of Engineering	16 Feb 2007
OSCE Curriculum Committee	1 March 2007
University Curriculum Committee	
University Senate	

Proposal Date: 1/16/2007

Ogden College of Science and Engineering

Department of Engineering
Proposal to Revise a Program
(Action Item)

Contact Person: Joel Lenoir email: joel.lenoir@wku.edu, 745-8868

1. Identification of program

1.1 Reference Number: 543
1.2 Current Program Title: Mechanical Engineering
1.3 Credit Hours: 142.5

2. Identification of proposed changes

- Addition of ME 180 (3 hours)
- CS 245 (1.5 hrs) will not be required
- AMS 205 (3 hours) will not be required
- Replacement of EE 250 with EE 350

Credit Hours: will change from 142.5 to 141 hours

3. Detailed program description:

Current Program			**Proposed Program**		
ME175	University Experience – ME	2	ME175	University Experience – ME	2
ME 240	Materials and Methods	3	**ME 180**	**Freshman Design II**	**3**
ME 241	Materials and Methods LAB	1	ME 240	Materials and Methods	3
AMS 205	CAD for Manufacturing	3	ME 241	Materials and Methods LAB	1
EM 221	Statics	3	***Remove AMS 205***		***(3)***
EE 250	EE Fundamentals	4	EM 221	Statics	3
EE285	*Intro. to Ind. Automation*	*2*	***Remove EE 250***		***(4)***
ME 200	Sophomore Design	2	**EE 350**	**Fundamentals of El. Engr.**	**4**
EM 313	Dynamics	3	*EE285*	*Intro. to Ind. Automation*	*2*
EM 302	Mechs. of Deform Solids	3	ME 200	Sophomore Design	2
ME 331	Strength of Materials Lab	1	EM 313	Dynamics	3
ME 220	Engineering Thermo. I	3	EM 302	Mechs. of Deform Solids	3
ME 344	Mechanical Design	3	ME 331	Strength of Materials Lab	1
ME 300	Junior Design	2	ME 220	Engineering Thermo. I	3
ME 310	Eng. Instru. & Exp.	3	ME 344	Mechanical Design	3
ME 321	Eng. Thermo. II	3	ME 300	Junior Design	2
ME 330	Fluid Mechanics	3	ME 310	Eng. Instru. & Exp.	3
ME 325	Heat Transfer	3	ME 321	Eng. Thermo. II	3
ME 410	Mech. Vibr. and Controls	3	ME 330	Fluid Mechanics	3
ME 411	Mech. Vibr. and Ctrls. LAB	1	ME 325	Heat Transfer	3

ME 400	Mech. Engr. Design	2
ME 420	Senior ME Lab I	3
ME 430	Senior ME Lab II	3
ME 412	ME Senior Project	3
ME Technical Elective		3
ME Technical Elective		3
ME Technical Elective		3

Tech. Course Total: 71

Category A

ENG100	Freshman English	3
ENG300	Junior English	3
A-II	Foreign Language	3
COMM161	Public Speaking	3

Category B

ENG200	Introduction to Literature	3
B-II	Humanities Elective	3
B-II	Humanities Elective	3

Category C

HIST 119/120	Western Civ.	3
ECON202	Prin. Of Econ (micro)	3
Category C	Elective	3

Category D

CHEM121	College Chemistry 1	4
PHYS250	University Physics I	3
PHYS251	University Physics I Lab	1
MATH126	Calculus I	4.5

Category E

Category E	World Cultures	3

Category F

Category F	Health Elective	1
Category F	Health Elective	1

Other Requirements

MATH227	Calculus II	4.5
MATH327	Multivariable Calculus	4
MATH331	Differential Equations	3
MATH350	Advanced Engr. Math	3

ME 410	Mech. Vibr. and Controls	3
ME 411	Mech. Vibr. and Ctrls. LAB	1
ME 400	Mech. Engr. Design	2
ME 420	Senior ME Lab I	3
ME 430	Senior ME Lab II	3
ME 412	ME Senior Project	3
ME Technical Elective		3
ME Technical Elective		3
ME Technical Elective		3

Tech. Course Total: 71

Category A

ENG100	Freshman English	3
ENG300	Junior English	3
A-II	Foreign Language	3
COMM161	Public Speaking	3

Category B

ENG200	Introduction to Literature	3
B-II	Humanities Elective	3
B-II	Humanities Elective	3

Category C

HIST 119/120	Western Civ.	3
ECON202	Prin. Of Econ (micro)	3
Category C	Elective	3

Category D

CHEM120	College Chemistry 1	4
PHYS250	University Physics I	3
PHYS251	University Physics I Lab	1
MATH126	Calculus I	4.5

Category E

Category E	World Cultures	3

Category F

Category F	Health Elective	1
Category F	Health Elective	1

Other Requirements

MATH227	Calculus II	4.5
MATH327	Multivariable Calculus	4

STAT301	Probability & Statistics	3	MATH331	Differential Equations	3
PHYS260	University Physics II	3	MATH350	Advanced Engr. Math	3
PHYS261	University Physics II Lab	1	STAT301	Probability & Statistics	3
			PHYS260	University Physics II	3
CS245	Intro to Programming	1.5	PHYS261	University Physics II Lab	1
CHEM121	College Chemistry I lab	1	***Remove CS245 Intro to Prog.***		***(1.5)***
			CHEM121	College Chemistry I Lab	1
Total Hours: 142.5			**Total Hours: 141**		

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4. Rationale of proposed program revisions:

Remove CS 245 (1.5 hours)

The use of CS 245 to provide structured programming was questioned by the last ABET accreditation visit. The evaluator saw limited value of the course as preparation for EE 285, and felt a more comprehensive Computer Skills Plan was a better vehicle to ensure adequate computer tools coverage. This was supported by our external advisory board since structured programming is not an element of the Mechanical Engineering Program Objectives identified for assessment.

Remove AMS 205 (3 hours)

This is a skills course in the use of CAD for manufacturing. The ME faculty believe graphical communications packages have evolved to the point where interactive teaching modules embedded into design courses are sufficient to introduce the students to the packages. In addition, integrated online tutorials included in the software updates each academic year can be used as an element of the ME program's plan for lifelong learning.

Add ME 180 (3 hours)

This course is intended to support the Engineering Design, Professional Communication, and Computer Skills assessment plans of the ME program. It will serve as a bridge between the starting point of these plans, ME 175: Mechanical Engineering Freshman Experience, and the current second step, ME 200: Sophomore Design. This will create an integrated six course Professional Component (ME 175, 180, 200, 300, 400, and 412) spanning from the first semester to the Capstone Experience in the last semester. In addition, the proposed course will allow resident WKU ME faculty to have contact with students in the program during each semester. Currently WKU faculty have a contact gap of two semesters after ME 175 due to UK ITV course offerings, and this proposed course is part of an effort to alleviate this situation.

Replace EE 250 with EE 350 (4 hours each)
The Electrical Engineering program is creating a new service course for the ME program in order to improve the coverage of this subject.

5. Proposed term for implementation and special provisions:

Term: Fall 2007

6. Dates of prior committee approvals:

Department of Engineering	16 Feb. 2007
OSCE Curriculum Committee	01 March 2007
University Curriculum Committee	
University Senate	

Proposal Date: January 22, 2007

Ogden College of Science And Engineering
Department of Physics and Astronomy
Proposal to Revise A Program
(Action Item)

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1. Identification of program:

1.1 Current program reference number: 754
1.2 Current program title: Physics
1.3 Credit hours: 35

2. Identification of the proposed program changes:

modifications to core requirements:
replace PHYS 250/251 (3/1) with PHYS 255/256 (4/1);
replace PHYS 260/261 (3/1) with PHYS 265/266 (4/1);
remove PHYS 270/271 (3/1);
replace PHYS 320 (3) with new courses, PHYS 180 (3) & PHYS 181 (1);
include existing course as core requirement: PHYS 440 (3);
modifications to support requirements:
specify Computer Science requirement as CS 230 or higher;
delete requirement for Biology

3. Detailed program description:
(side-by-side table is requested for ALL program changes except title changes showing new program on right and identifying changes in bold type.)

3. Current Program:	**4. Proposed Program** (changes are indicated in **boldface**):

	Hrs	Course	Title of Course
Core:	**3**/1	PHYS 250/251	University Physics I and Lab
	3/1	PHYS 260/261	University Physics II and Lab
	3/1	**PHYS 270/271**	**University Physics III and Lab**
	1	PHYS 301	Electrical Measurements Lab
	1	PHYS 302	Atomic Lab
	3	**PHYS 320**	**Introductory Modern Physics I**
	3	PHYS 321	Introductory Modern Physics II
	3	PHYS 350	Classical Mechanics I
	0.5	PHYS 398	Junior Seminar
	0.5	PHYS 498	Senior Seminar
	24 hrs		
Electives	11	PHYS/ASTR	Upper Division Electives
Total	35 hrs		

The student majoring in physics must complete, in addition to this core, a minimum of 11 semester hours of selected upper division departmental courses. The selection is determined by the student's career aspirations, subject to approval by the student's departmental advisor. The upper division electives must be chosen from the courses listed for departmental majors and minors, excluding PHYS 389, 399, and 489. No more than 3 hours of PHYS 475 may be counted toward the 35 hour minimum requirement for the major. Support requirements include MATH 126, 227, 307, 327, and 331, *3 semester hours of computer science****, 3 semester hours of biology, and CHEM 120/121.***

	Hrs	Course	Title of Course
Core:	**3/1**	**PHYS 180/181**	**Introductory Modern Physics & Lab**
	4/1	**PHYS 255/256**	**University Physics I and Lab**
	4/1	**PHYS 265/266**	**University Physics II and Lab**
	1	PHYS 301	Electrical Measurements Lab
	1	PHYS 302	Atomic Lab
	3	PHYS 321	Introductory Modern Physics II
	3	PHYS 350	Classical Mechanics I
	3	**PHYS 440**	**Electricity and Magnetism I**
	0.5	PHYS 398	Junior Seminar
	0.5	PHYS 498	Senior Seminar
	26 hrs		
Electives:	**9**	PHYS/ASTR	Upper Division Electives
Total	35 hrs		

The student majoring in physics must complete, in addition to this core, a minimum of *9* ***semester hours of selected upper division departmental courses. The selection is determined by the student's career aspirations, subject to approval by the student's departmental advisor. The upper division electives must be chosen from the courses listed for departmental majors and minors, excluding PHYS 389, 399, and 489. No more than 3 hours of PHYS 475 may be counted toward the 35 hour minimum requirement for the major. Support requirements include MATH 126, 227, 307, 327, and 331,*** *Computer Science 230 or higher****, and CHEM 120/121.***

4. Rationale for the proposed program change:

The two main changes being made in the Major in Physics include moving exciting and interesting material from modern physics into the start of our curriculum and revising the calculus-based physics sequence to be a one-year experience instead of three semesters. The primary motivation for these changes is to increase the success of recruitment and retention efforts in the physics program.

The new course PHYS 180/181 Introductory Modern Physics and Lab will introduce the most intriguing aspects of modern physics that can be presented with only algebra and trigonometry. It will be inserted at the beginning of the physics majors' curriculum, introducing students to the major ideas that shape contemporary views of our physical world and the behavior of matter and energy. We have consulted with other institutions (e.g., Colgate Univ., Univ. Wisconsin – Madison, New Mexico Tech) that moved the most interesting modern physics to the beginning of the curriculum. Based on those communications, we expect this move will greatly increase retention and make recruiting easier.

Starting students in an interesting yet less mathematically challenging algebra-based modern physics course will help them make the best possible transition from high school physics to calculus-based university physics. The objectives focus on helping the students to understand the evidence and theory supporting the latest, hottest, weirdest and most amazing cutting-edge discoveries and applications of atomic physics, quantum mechanics, and general relativity.

Changing our University Physics courses to a two-semester sequence will bring our offerings in line with what is standard for nearly all colleges in the nation. The change will also work much better for students in The Academy for Mathematics and Science in Kentucky and other science programs such as Chemistry and

Meteorology, allowing them to cover all of calculus-based classical physics in one year.

Finally, an advanced course in Electricity and Magnetism is a required component of most physics programs across the nation. Most of our majors already take this course as part of their program of study. Inserting this course into the required core sequence will ensure that all of our student experience this important part of a physics education.

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

Fall 2007

6. Dates of prior committee approvals:

Department of Physics and Astronomy:	01-31-2007
OCSE Curriculum Committee	02-01-2007
Professional Education Council	02-14-2007
General Education Committee	
University Curriculum Committee	
University Senate	

Attachment: Program Inventory Form