

**UNDERGRADUATE CURRICULUM COMMITTEE
WESTERN KENTUCKY UNIVERSITY**

REPORT TO THE UNIVERSITY SENATE:

DATE: February 2010
FROM: Beth Plummer, Chair

The Undergraduate Curriculum Committee submits the following items from the 25 February 2010 meeting for approval by the University Senate:

Information Item Report:

1. CHHS: NURS 317 Independent Directed Study/Nursing
NURS 421 High Acuity Nursing
NURS 422 Senior Practicum
NURS 295 Introduction to Research Methods
NURS 319 Oncology Nursing
2. BGCC: NUR 100C Fundamentals of Nursing
NUR 110C Mental Health Nursing
NUR 111C Maternal-Newborn Nursing
NUR 112C Medical/Surgical Nursing I
NUR 201C Medical/Surgical Nursing II
NUR 230C Roles and Responsibilities
NUR 250C Medical/Surgical Nursing III
OST 120C Keyboarding
3. OCSE: MATH 120, Elements of Calculus I
MATH 220, Elements of Calculus II
MATH 320, Elements of Calculus III
MATH 207, Matrix Algebra
MATH 213, Laboratory for Mathematics for Elementary Teachers I
MATH 214, Laboratory for Mathematics for Elementary Teachers II
AGRI 491, Data Analysis and Interpretation

Consent Item Report:

1. BGCC: NURS 150C LPN to RN Transition
Associate of Science in Nursing (Ref. # 273)
~~Office Systems Certificate~~ **PULLED AT REQUEST OF BGCC**
~~Information Systems Certificate~~ **PULLED AT REQUEST OF BGCC**
2. CHHS: CD 200 Cross Cultural Health Care Encounters
CD 210 Communication Disorders in Linguistically Diverse Populations
CD 220 Implementing and Managing a Language Access Service REVISED
CD 230 Medical Interpreting Skills REVISED
Cross Cultural Communication in Health Care

3. PCAL:
- HIST 101 World Civilization I
 - HIST 102 World Civilization II
 - JAPN 210 Intermediate Japanese Conversation Abroad
 - JAPN 211 Intermediate Japanese Culture Abroad
 - Latin American Studies (minor) (Ref. #408)
 - Advertising (Major) (Ref. #727)
 - Digital Advertising
4. OCSE:
- CS 240, Computer Science I
 - CS 241, Computer Science II
 - ~~AGEC 391, Survey of Commodity Futures and Options~~ **Pulled and sent to UCC**
 - CS 157, Information Security I
 - CS 257, Information Security II
 - CS 170, Problem Solving and Programming
 - MATH 337, Elements of Real Analysis
 - MATH 431, Intermediate Analysis I
 - Minor in Computer Science (Ref. #341)
 - Bachelor of Science in Computer Science (Ref. #629)
 - Major in Mathematics (Ref. #728 and 528)
 - Minor in Applied Statistics

**College of Health and Human Services
School of Nursing
Proposal to Revise Course Title
(Consent Item)**

Contact Person: Mary Bennett, mary.bennett@wku.edu 745-3590

- 1. Identification of course:**
 - 1.1 Current course prefix and number: NURS 317
 - 1.2 Current course title: Independent Directed Study/Nursing
 - 1.3 Credit hours: 1-3 Variable-credit course
- 2. Proposed course title:** Special Topics/Independent Study
- 3. Proposed abbreviated course title:** Special Topics/Ind Study
- 4. Rationale for the revision of course title:** Provides students with two options and better describes the course, which offers the opportunity for an individual student or a group of students to study a special topic in nursing or conduct an independent study in nursing.
- 5. Proposed term for implementation:** Summer 2010
- 6. Dates of prior committee approvals:**

School of Nursing	_____ 11/20/09
CHHS Undergraduate Curriculum Committee	_____ 2/3/2010
Undergraduate Curriculum Committee	2/25/2010
University Senate	_____

Attachment: Course Inventory Form

**College of Health and Human Services
School of Nursing
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)**

Proposal Date: February 20, 2009

**College of Health and Human Services
School of Nursing
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)**

Contact Person: Rachel Kinder, rachel.kinder@wku.edu, 5-3599

- 1. Identification of course:**
 - 1.1 Course prefix and number: NURS 422
 - 1.2 Course title: Senior Practicum
 - 1.3 Credit hours: 3
- 2. Current prerequisites:** NURS 400, NURS 412, NURS 414, NURS 428
Current corequisites: NURS 408, NURS 421, NURS 426
- 3. Proposed prerequisites:** NURS 412, NURS 429, NURS 432, NURS 433, NURS 444, NURS 445 or permission of instructor
Proposed corequisites: NURS 403, NURS 421, NURS 448, NURS 449
- 4. Rationale for the revision of prerequisites/corequisites:** The changes in the proposed corequisites reflect the proposed program revision. The addition of “permission of instructor” accommodates transfer nursing students who may have had equivalent courses or current nursing students who may have to repeat a course.
- 5. Effect on completion of major/minor sequence:** None
- 6. Proposed term for implementation:** Fall 2010
- 7. Dates of prior committee approvals:**

School of Nursing	2/6/2009
CHHS Undergraduate Curriculum Committee	<u>2/3/2010</u>
Undergraduate Curriculum Committee	2/25/2010
University Senate	<u> </u>

Attachment: Course Inventory Form

**College of Health and Human Services
School of Nursing
Proposal to Delete a Course
(Consent Item)**

Contact Person: Rachel Kinder; rachel.kinder@wku.edu; 745-3599

- 1. Identification of course:**
 - 1.1 Current course prefix and number: NURS 295
 - 1.2 Course title: Introduction to Research Methods
 - 1.3 Credit hours: 1
- 2. Rationale for the course deletion:** This course has not been offered by the department for more than five years and will no longer be offered by the department.
- 3. Effect of course deletion on programs or other departments, if known:** None
- 4. Proposed term for implementation:** Summer 2010
- 5. Dates of prior committee approvals:**

School of Nursing:	<u>1/5/10</u>
CHHS Undergraduate Curriculum Committee	<u>2/3/2010</u>
Undergraduate Curriculum Committee	2/25/2010
University Senate	<u> </u>

Attachment: Course Inventory Form

Proposal Date: 1/5/2010

**College of Health and Human Services
School of Nursing
Proposal to Delete a Course
(Consent Item)**

Contact Person: Rachel Kinder; rachel.kinder@wku.edu; 745-3599

1 Identification of course:

- 1.1 Current course prefix and number: NURS 319
- 1.2 Course title: Oncology Nursing
- 1.3 Credit hours: 3

2 Rationale for the course deletion: This course has not been offered by the department for more than five years and will no longer be offered by the department.

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

4 Proposed term for implementation: Summer 2010

5 Dates of prior committee approvals:

School of Nursing: _____ 1/5/10

CHHS Undergraduate Curriculum Committee _____ 2/3/2010

Undergraduate Curriculum Committee 2/25/2010

University Senate _____

Attachment: Course Inventory Form

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

Contact Person: Melanie Duke, Melanie.duke@wku.edu, 780-2546

- 1. Identification of course:**
 - 1.1 Current course prefix (subject area) and number: NUR 100C
 - 1.2 Course title: Fundamentals of Nursing
 - 1.3 Credit hours: 6
- 2. Rationale for the course deletion:** Replaced NUR 100C with NUR 105C and NUR 106C, this created two distinct clinical and didactic courses.
- 3. Effect of course deletion on programs or other departments, if known:** None
- 4. Proposed term for implementation:** Fall 2010
- 5. Dates of prior committee approvals:**

Associate Degree Nursing Program	<u>January 29, 2010</u>
Health Sciences Division	<u>January 29, 2010</u>
BGCC Curriculum Committee	<u>February 5, 2010</u>
Undergraduate Curriculum Committee	2/25/2010
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 1/19/2010

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

Contact Person: Melanie Duke, Melanie.duke@wku.edu, 780-2546

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: NUR 110C
- 1.2 Course title: Mental Health Nursing
- 1.3 Credit hours: 4

2. Rationale for the course deletion: Replaced NUR 110C with NUR 165C and NUR 166C, this created two distinct clinical and didactic courses.

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

4. Proposed term for implementation: Fall 2010

5. Dates of prior committee approvals:

Associate Degree Nursing Program	<u>January 29, 2010</u>
Health Sciences Division	<u>January 29, 2010</u>
BGCC Curriculum Committee	<u>February 5, 2010</u>
Undergraduate Curriculum Committee	2/25/2010
University Senate	_____

Attachment: Course Inventory Form

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

Contact Person: Melanie Duke, Melanie.duke@wku.edu, 780-2546

- 1. Identification of course:**
 - 1.1 Current course prefix (subject area) and number: NUR 111C
 - 1.2 Course title: Maternal-Newborn Nursing
 - 1.3 Credit hours: 4
- 2. Rationale for the course deletion:** Replaced NUR 111C with NUR 215C and NUR 216C, this created two distinct clinical and didactic courses.
- 3. Effect of course deletion on programs or other departments, if known:** None
- 4. Proposed term for implementation:** Spring 2011
- 5. Dates of prior committee approvals:**

Associate Degree Nursing Program	<u>January 29, 2010</u>
Health Sciences Division	<u>January 29, 2010</u>
BGCC Curriculum Committee	<u>February 5, 2010</u>
Undergraduate Curriculum Committee	2/25/2010
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 1/19/2010

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

Contact Person: Melanie Duke, Melanie.duke@wku.edu, 780-2546

- 1. Identification of course:**
 - 1.1 Current course prefix (subject area) and number: NUR 112C
 - 1.2 Course title: Medical/Surgical Nursing I
 - 1.3 Credit hours: 5
- 2. Rationale for the course deletion:** Replaced NUR 112C with NUR 155C and NUR 156C, this created two distinct clinical and didactic courses.
- 3. Effect of course deletion on programs or other departments, if known:** None
- 4. Proposed term for implementation:** Spring 2011
- 5. Dates of prior committee approvals:**

Associate Degree Nursing Program	<u>January 29, 2010</u>
Health Sciences Division	<u>January 29, 2010</u>
BGCC Curriculum Committee	<u>February 5, 2010</u>
Undergraduate Curriculum Committee	2/25/2010
University Senate	_____

Attachment: Course Inventory Form

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

Contact Person: Melanie Duke, Melanie.duke@wku.edu, 780-2546

- 1. Identification of course:**
 - 1.1 Current course prefix (subject area) and number: NUR 201C
 - 1.2 Course title: Medical/Surgical Nursing II
 - 1.3 Credit hours: 10
- 2. Rationale for the course deletion:** Replaced NUR 201C with NUR 208C and NUR 209C, this created two distinct clinical and didactic courses.
- 3. Effect of course deletion on programs or other departments, if known:** None
- 4. Proposed term for implementation:** Fall 2011
- 5. Dates of prior committee approvals:**

Associate Degree Nursing Program	<u>January 29, 2010</u>
Health Sciences Division	<u>January 29, 2010</u>
BGCC Curriculum Committee	<u>February 5, 2010</u>
Undergraduate Curriculum Committee	2/25/2010
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 1/19/2010

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

Contact Person: Melanie Duke, Melanie.duke@wku.edu, 780-2546

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: NUR 230C
- 1.2 Course title: Roles and Responsibilities
- 1.3 Credit hours: 2

2. Rationale for the course deletion: Course content has been integrated throughout nursing curriculum.

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

4. Proposed term for implementation: Spring 2012

5. Dates of prior committee approvals:

Associate Degree Nursing Program	<u>January 29, 2010</u>
Health Sciences Division	<u>January 29, 2010</u>
BGCC Curriculum Committee	<u>February 5, 2010</u>
Undergraduate Curriculum Committee	2/25/2010
University Senate	_____

Attachment: Course Inventory Form

Proposal Date: 1/19/2010

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

Contact Person: Melanie Duke, Melanie.duke@wku.edu, 780-2546

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: NUR 250C
- 1.2 Course title: Medical/Surgical Nursing III
- 1.3 Credit hours: 11

2. Rationale for the course deletion: Replaced NUR 250C with NUR 255C and NUR 256C, this created two distinct clinical and didactic courses.

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

4. Proposed term for implementation: Spring 2012

5. Dates of prior committee approvals:

Associate Degree Nursing Program January 29, 2010

Health Sciences Division January 29, 2010

BGCC Curriculum Committee February 5, 2010

Undergraduate Curriculum Committee 2/25/2010

University Senate _____

Attachment: Course Inventory Form

**Bowling Green Community College
Business Division
Proposal to Delete a Course
(Consent Item)**

Contact Person: Freda Mays, freda.mays@wku.edu, 780.2541 or
Linda Todd, linda.todd@wku.edu, 780.2547

1. Identification of course:
 - 1.1 Current course prefix (subject area) and number: OST 120C
 - 1.2 Course title: Keyboarding
 - 1.3 Credit hours: 3
2. Rationale for the course deletion: Removal of course number from Course Inventory; course has not been offered for at least five years
3. Effect of course deletion on programs or other departments, if known: None
4. Proposed term for implementation: Fall 2010
5. Dates of prior committee approvals:

Business Division:	2/1/2010
BGCC Curriculum Committee	February 5, 2010
Undergraduate Curriculum Committee	2/25/2010
University Senate	

Attachment: Course Inventory Form

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

Contact Person: Mark Robinson mark.robinson@wku.edu 745-6223

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: MATH 120
- 1.2 Course title: Elements of Calculus I
- 1.3 Credit hours: 3

2. Rationale for the course deletion: MATH 120 served as a service course for students in the now-discontinued Engineering Technology program. This course has not been offered since Fall 2002 and was suspended effective Spring 2003. The course needs to be deleted to clean up the course inventory.

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

4. Proposed term for implementation: Fall 2010

5. Dates of prior committee approvals:

Mathematics and Computer Science Department	<u>1-22-10</u>
OCSE Curriculum Committee	<u>2-4-10</u>
Undergraduate Curriculum Committee	2/25/2010
University Senate	<u> </u>

Attachment: Course Inventory Form

Proposal Date: January 11, 2010

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

Contact Person: Mark Robinson mark.robinson@wku.edu 745-6223

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: MATH 220
- 1.2 Course title: Elements of Calculus II
- 1.3 Credit hours: 3

2. Rationale for the course deletion: MATH 220 served as a service course for students in the now-discontinued Engineering Technology program. This course has not been offered since Fall 2002 and was suspended effective Spring 2003. The course needs to be deleted to clean up the course inventory.

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

4. Proposed term for implementation: Fall 2010

5. Dates of prior committee approvals:

Mathematics and Computer Science Department	<u>1-22-10</u>
OCSE Curriculum Committee	<u>2-4-10</u>
Undergraduate Curriculum Committee	2/25/2010
University Senate	_____

Attachment: Course Inventory Form

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

Contact Person: Mark Robinson mark.robinson@wku.edu 745-6223

- 1. Identification of course:**
 - 1.1 Current course prefix (subject area) and number: MATH 320
 - 1.2 Course title: Elements of Calculus III
 - 1.3 Credit hours: 3
- 2. Rationale for the course deletion:** MATH 320 served as a service course for students in the now-discontinued Engineering Technology program. This course has not been offered since Fall 2002 and was suspended effective Spring 2003. The course needs to be deleted to clean up the course inventory.
- 3. Effect of course deletion on programs or other departments, if known:** None.
- 4. Proposed term for implementation:** Fall 2010
- 5. Dates of prior committee approvals:**

Mathematics and Computer Science Department	_____ 1/22/10 _____
OCSE Curriculum Committee	_____ 2/4/10 _____
Undergraduate Curriculum Committee	2/25/2010
University Senate	_____

Attachment: Course Inventory Form

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

Contact Person: Mark Robinson mark.robinson@wku.edu 745-6223

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: MATH 207
- 1.2 Course title: Matrix Algebra
- 1.3 Credit hours: 2

2. Rationale for the course deletion: MATH 207 served as a service course for students in the now-discontinued Engineering Technology program. This course has not been offered since Spring 2002 and was suspended effective Spring 2003. The course needs to be deleted to clean up the course inventory.

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

4. Proposed term for implementation: Fall 2010

5. Dates of prior committee approvals:

Mathematics and Computer Science Department 1/22/10

OCSE Curriculum Committee 2/4/10

Undergraduate Curriculum Committee 2/25/2010

University Senate _____

Attachment: Course Inventory Form

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

Contact Person: Mark Robinson mark.robinson@wku.edu 745-6223

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: MATH 213
- 1.2 Course title: Laboratory for Mathematics for Elementary Teachers I
- 1.3 Credit hours: 1

2. Rationale for the course deletion: MATH 213 is an optional hands-on laboratory course designed to accompany MATH 211, Mathematics for Elementary Teachers I. This laboratory course has not been offered since Fall 2003 and there are no plans to offer it in the future. Continuing to list the course is misleading to students and advisors. The MATH 211-212 (Mathematics for Elementary Teachers I-II) sequence is itself being phased out over the next several semesters and is being replaced by a new three-course sequence for elementary education majors.

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

4. Proposed term for implementation: Fall 2010

5. Dates of prior committee approvals:

Mathematics and Computer Science Department	<u>1-22-10</u>
OCSE Curriculum Committee	<u>2-4-10</u>
Professional Education Council	<u>2-17-10</u>
Undergraduate Curriculum Committee	<u>2/25/2010</u>
University Senate	_____

Attachment: Course Inventory Form

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

Contact Person: Mark Robinson mark.robinson@wku.edu 745-6223

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: MATH 214
- 1.2 Course title: Laboratory for Mathematics for Elementary Teachers II
- 1.3 Credit hours: 1

2. Rationale for the course deletion: MATH 214 is an optional hands-on laboratory course designed to accompany MATH 212, Mathematics for Elementary Teachers II. This laboratory course has not been offered since Fall 2003 and there are no plans to offer it in the future. Continuing to list the course is misleading to students and advisors. The MATH 211-212 (Mathematics for Elementary Teachers I-II) sequence is itself being phased out over the next several semesters and is being replaced by a new three-course sequence for elementary education majors.

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

4. Proposed term for implementation: Fall 2010

5. Dates of prior committee approvals:

Mathematics and Computer Science Department	<u>1-22-10</u>
OCSE Curriculum Committee	<u>2-4-10</u>
Professional Education Council	<u>2-17-10</u>
Undergraduate Curriculum Committee	<u>2/25/2010</u>
University Senate	<u> </u>

Attachment: Course Inventory Form

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

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**Bowling Green Community College
Health Sciences Division
Proposal to Create a New Course
(Action Item)**

Contact Person: Melanie Duke, Melanie.duke@wku.edu, 780-2546

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: NUR 150C
- 1.2 Course title: LPN to RN Transition
- 1.3 Abbreviated course title: LPN to RN Transition
- 1.4 Credit hours and contact hours: 1 credit hour
- 1.5 Type of course: Lecture
- 1.6 Prerequisites: Admission to the nursing program
Pre or Corequisites: PSY 199/PSYC 199C, BIOL 131/BIO 131C
- 1.7 Course catalog listing: Concepts required to transition from the licensed practical nurse to the registered nurse role.

2. Rationale:

- 2.1 Reason for developing the proposed course: Facilitate the licensed practical nurse's (LPN) transition to the registered nurse (RN) role.
- 2.2 Projected enrollment in the proposed course: 8 students each Fall and Spring
- 2.3 Relationship of the proposed course to courses now offered by the department: None
- 2.4 Relationship of the proposed course to courses offered in other departments: None
- 2.5 Relationship of the proposed course to courses offered in other institutions: Other associate degree nursing programs throughout the country offer LPN to RN role transition courses to bridge the knowledge gap between LPN and RN programs. An example institution is Eastern Kentucky University: NUR 205 Role Transition for the Licensed Practical Nurse (1 credit hour).

3. Discussion of proposed course:

- 3.1 Course objectives
 - Discuss the concept of role transition from practical nurse to registered nurse.
 - Identify the ANA Scope and Standards of Practice, code of ethics, licensing laws and established policies and procedures.
 - Apply the nursing process in providing care to promote and maintain health for selected populations within their environment.
 - Explain the importance of critical thinking in nursing.
 - Identify teaching needs of selected populations.
 - Perform computations necessary to administer medications via the oral, intradermal, subcutaneous, intramuscular and intravenous routes.
- 3.2 Content outline:
 - ADN Philosophy
 - LPN to RN Role Transition
 - Ethical & Legal

- Nursing Process
 - Critical Thinking
 - Teaching & Learning
 - Dosage Calculation
- 3.3 Student expectations and requirements: Students must achieve a 77% average to successfully pass NUR 150C. Grades will be determined by exams and assignments. If a student is unsuccessful in NUR 150C they must take NUR 104C, NUR 105C, NUR 106C and will not qualify for the LPN option.
- 3.4 Tentative texts and course materials:
Claywell, L. (2009). *LPN to RN transitions* (2nd ed.). St. Louis, MO: Mosby Elsevier.
- 4. Resources:**
- 4.1 Library resources: Adequate.
- 4.2 Computer resources: Students have computer access through computer labs on campus. No special software is required for this course.
- 5. Budget implications:**
- 5.1 Proposed method of staffing: The course will be taught utilizing existing faculty.
- 5.2 Special equipment needed: None
- 5.3 Expendable materials needed: None
- 5.4 Laboratory materials needed: None
- 6. Proposed term for implementation:** Fall 2010
- 7. Dates of prior committee approvals:**
- | | |
|------------------------------------|-------------------------|
| Associate Degree Nursing Program | <u>January 22, 2010</u> |
| Health Sciences Division | <u>January 22, 2010</u> |
| BGCC Curriculum Committee | <u>February 5, 2010</u> |
| Undergraduate Curriculum Committee | 2/25/2010 |
| University Senate | _____ |

Attachment: Bibliography, Library Resources Form, Course Inventory Form

**Bowling Green Community College
Health Sciences Division
Proposal to Revise a Program
Action Item**

Contact Person: Melanie Duke, melanie.duke@wku.edu, 780-2546

1. Identification of program:

- 1.1 Current program reference number: 273
- 1.2 Current program title: Associate of Science in Nursing
- 1.3 Credit hours: 67 credit hours

2. Identification of the proposed program changes:

- Revision of Licensed Practical Nurse (LPN) Option
- Revision of program from 67 credit hours to a minimum of 69 credit hours.
- Add MATH 109/MA 109C or MATH 116/MA 116C as a required course.
- Deletion of BIOL 208/BIO 208C as a required course.

3. Detailed program description:

Current Program	Proposed Program
<p>Licensed Practical Nurses Application</p> <p>Upon admission to the Associate Degree Nursing Program and after successful completion of BIO 131C, CFSC 111C, MA 109C or MA 116C, PSYC 199C, CHM 109C and NUR 110C, the Licensed Practical Nurse will submit proof of current LPN license to the Program Director for the awarding of six hours or credit for NUR 100C.</p>	<p>Licensed Practical Nurse (LPN) Option</p> <p>Upon admission to the Associate Degree Nursing Program and after successful completion of NUR 150C, PSY 199/PSYC 199C, and BIOL 131/BIO 131C, the Licensed Practical Nurse will submit proof of current LPN license to the ADN Program Director for the awarding of nine hours credit for NUR 104C, NUR 105C and NUR 106C.</p> <p>LPNs may receive credit on the basis of departmental examinations for NUR 165C, NUR 215C and NUR 254C. LPNs must contact the ADN Program office for examination details. Additionally LPNs may receive experiential credit for the following courses: NUR 166C, NUR 209C and NUR 216C after successful completion of each clinical course's didactic component.</p>
...The Associate Degree in Nursing Program	...The Associate Degree in Nursing Program

consists of course work in nursing, supportive courses and general education. The program requires a minimum of 67 hours including 43 semester hours in nursing plus 24 hours in general education courses which include BIOL131/ BIO 131C, BIOL 207/BIO 207C, BIOL 208/BIO 208C , CHEM 109/CHM 109C, PSY 199/PSYC 199C, ENG 100/ENGL 100C, SOCL 100/SOC 100C and one 3 hour Category B – Humanities course...	consists of course work in nursing, supportive courses and general education. The program requires a minimum of 69 hours including 43 semester hours in nursing plus 26 hours in general education courses which include BIOL131/ BIO 131C, BIOL 207/BIO 207C, CHEM 109/CHM 109C, PSY 199/PSYC 199C, ENG 100/ENGL 100C, SOCL 100/SOC 100C, MATH 109/MA 109C or MATH 116/MA 116C and one 3 hour Category B – Humanities course...
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Current Program

BIOL/ BIO	131	Anatomy and Physiology	4	1
PSYC	199C	Developmental Psychology	3	1
NUR	104C	Calculations for Nursing	1	1
NUR	105C	Fundamentals of Nursing	6.5	1
NUR	106C	Fundamentals of Nursing Clinical	1.5	1

Proposed Program

BIOL/ BIO	131	Anatomy and Physiology	4	1
PSYC	199C	Developmental Psychology	3	1
NUR	104C	Calculations for Nursing	1	1
NUR	105C	Fundamentals of Nursing	6.5	1
NUR	106C	Fundamentals of Nursing Clinical	1.5	1

CHM	109C	Chemistry for Health Science	4	2		CHM	109C	Chemistry for Health Science	4	2
NUR	155C	Medical Surgical Nursing I	5.5	2		NUR	155C	Medical Surgical Nursing I	5.5	2
NUR	156 C	Medical Surgical Nursing I Clinical	3.5	2		NUR	156 C	Medical Surgical Nursing I Clinical	3.5	2
NUR	165C	Mental Health Nursing	2.5	2		NUR	165C	Mental Health Nursing	2.5	2
NUR	166C	Mental Health Nursing Clinical	1.5	2		NUR	166C	Mental Health Nursing Clinical	1.5	2
ENGL	100C	Freshman Composition	3	3		ENG L	100C	Freshman Composition	3	3
BIO	207C	Microbiology	3	3		BIO	207C	Microbiology	3	3
NUR	208C	Medical Surgical Nursing II	5	3		NUR	208C	Medical Surgical	5	3

NUR	209C	Medical Surgical Nursing Clinical II	3	3
NUR	215C	Maternal Newborn Nursing	2.5	3
NUR	216C	Maternal Newborn Nursing Clinical	1.5	3

		Nursing II		
NUR	209C	Medical Surgical Nursing Clinical II	3	3
NUR	215C	Maternal Newborn Nursing	2.5	3
NUR	216C	Maternal Newborn Nursing Clinical	1.5	3

SOC	100C	Sociology	3	4
Category B Humanities		Elective	3	4
BIO	208C	Microbiology Lab	1	4
NUR	254C	Pediatric Nursing	2	4
NUR	255C	Medical Surgical Nursing III	3	4
NUR	256C	Nursing Seminar	1	4
NUR	257C	Nursing Practicum	3	4

SOC	100C	Sociology	3	4
MA	109C or 116C	General Math or College Algebra	3	4
Category B Humanities		Elective	3	4
NUR	254C	Pediatric Nursing	2	4
NUR	255C	Medical Surgical Nursing III	3	4
NUR	256C	Nursing Seminar	1	4
NUR	257C	Nursing Practicum	3	4

Total Credits	67
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Total Credits	69
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4. Rationale for the proposed program change:

- Revision of Licensed Practical Nurse (LPN) Option allows more experiential credit for licensed practical nurses. It also allows LPNs to clep out of nursing specialty areas for which they may have practice experience.
- At the request of the Provost, the program was revised to incorporate a mathematics course. This revision creates more equitable transfer credits among other Kentucky associate degree programs. Inclusion of a mathematics course increased credit hours from 67 to 69 credit hours.
- Although BIOL 208/BIO 208C will be recommended for the majority of Associate Degree Nursing students for future RN to BSN requirements, it was deleted from the required ADN curriculum to incorporate a mathematics course without adding an additional semester to the

program.

5. Proposed term for implementation: Fall 2010

6. Dates of prior committee approvals:

Associate Degree Nursing Program	January 22, 2010
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Health Sciences Division	January 22, 2010
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BGCC Curriculum Committee	February 5, 2010
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Undergraduate Curriculum Committee	2/25/2010
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University Senate

Attachment: Program Inventory Form

Contact Person: _____ Freda Mays, 780.2541, freda.mays@wku.edu
 _____ Linda Todd, 780.2547, linda.todd@wku.edu

~~1. Identification of program:~~

- | | | |
|-----|----------------------------|----------------------------|
| 1.1 | Program title: | Office Systems Certificate |
| 1.2 | Required hours in program: | 15 hours |
| 1.3 | Special information: | |
| 1.4 | Catalog description: | |

~~Office Systems Certificate 15 hours~~

~~This certificate provides the basic knowledge and skills needed for an entry level office position.~~

~~Core Courses . . . Complete the following core courses: (It is recommended that these courses be completed in this order.)~~

- | | | | |
|---|----------|-----------------------|---------|
| ■ | OST 220C | Word Processing | 3 hours |
| ■ | OST 221C | Desktop Publishing | 3 hours |
| ■ | OST 255C | Office Administration | 3 hours |

~~Elective Courses . . . Select two of the following:~~

- | | | | |
|---|----------|------------------------------------|---------|
| • | OST 217C | Transcription | 3 hours |
| • | OST 222C | Advanced Desktop Publishing | 3 hours |
| • | OST 225C | Records and Information Management | 3 hours |
| • | INS 270C | Electronic Spreadsheets | 3 hours |
| • | INS 275C | Web and Media Design | 3 hours |
| • | INS 285C | Advanced Applications of Software | 3 hours |

~~2. Objectives of the proposed certificate program:~~

~~This certificate will provide students with the knowledge and skills needed for an entry level office position.~~

~~Students will:~~

- Learn the basic word processing skills
- Apply the basic desktop design principles to produce quality business and professional publications
- Learn the work attitudes and ethics that are important to be successful working in an office environment

- ~~Learn other computer skills that will increase their potential marketability (transcription, web design, advanced desktop publishing, records and information management, etc.)~~

3. ~~Rationale:~~

- 3.1 ~~Reason for developing the proposed certificate program: Many individuals are seeking classes and programs that will prepare them for entry-level office positions. Some students are directed to the Office Systems Technologies and Office Management degrees by BRADD, Dislocated Worker and Work Force Development Program Advisors. This 15-hour Office Systems Certificate will make it possible for an individual to learn the basic office skills and be prepared to re-enter or enter an office position in less than one year.~~
- 3.2 ~~Relationship of the proposed certificate program to other programs now offered by the department: In the BGCC Business Division, there are several programs which require 60 hours that are related to the proposed Office Systems Certificate. The 60-hour Associate Degree programs are Office Systems Technologies (271) and Office Management (288). There are two other certificates that are new or in the planning process in the Business Division. Those certificates are the Computer Literacy Certificate and Legal Technology Certificate.~~
- 3.3 ~~Relationship of the proposed certificate program to certificate programs offered in other departments: There are no similar certificates offered at BGCC or WKU.~~
- 3.4 ~~Projected enrollment in the proposed certificate program: Because of the Work Force Development Stimulus Funds that are currently available, we feel this certificate will generate immediate interest. Most of the proposed courses are offered online, some are offered face to face, and some are offered on the Glasgow Campus. This will make this certificate accessible to most of our WKU constituents.~~

~~The need for Office Professionals is expected to increase. According to the O*NET OnLine website, created for the U.S. Department of Labor Employment & Training Administration, the following Office Systems category is listed as 'in-demand' and Projected Growth during 2008-2018 as 'faster than average': Receptionists and Information Clerks. The Projected Growth for Office Clerks/General, First Line Supervisors/Managers of Office and Administrative Support Workers, Executive Secretaries and Administrative Assistants and Administrative Services Managers are listed as 'in-demand' and projected growth for these categories is 'average'. [Source: <http://online.onetcenter.org/find/quick?s=Administrative+Assistants> and <http://online.onetcenter.org/find/indemand?i=BUS&g=Go>]~~

- 3.5 ~~Similar certificate programs offered elsewhere in Kentucky and in other states (including programs at benchmark institutions):~~
~~In Kentucky—~~

~~Southeast Kentucky Community and Technical College in Cumberland, KY has an 18-hour certificate in Office Systems.~~

~~Kentucky Community and Technical College System offers a Certificate in Office Systems Technology online. But, the information on the website doesn't list specific information about this certificate.~~

According to their website (http://www.bowlinggreen.kctcs.edu/Academics/Programs_of_Study/Business_Studies.aspx) Bowling Green Technical College offers a number of certificates and diploma under their Business Studies Program area. But, a certificate or degree in Office Systems is not listed.

In other states — Most other community and technical colleges offer degree programs and/or certificates in Office Systems.

- 3.6 — Relationship of the proposed certificate program to the university mission and objectives: All the courses in this proposed certificate support the university mission to prepare students to be productive citizens of a global society. In most of the courses students will participate in student engagement projects and community service learning project. Students will demonstrate their capacity to apply the knowledge and skills as they participate in these projects.

4. — Curriculum:

This certificate provides the basic knowledge and skills needed for an entry level office position. The curriculum for this proposed certificate consists of five 3 hour courses that are currently offered in the Business Division. No new courses are required. The proposed curriculum includes the following:

Core Courses . . . Complete the following core courses: (It is recommended that these courses be completed in this order.)

- ~~OST 220C Word Processing~~ ~~3 hours~~
- ~~OST 221C Desktop Publishing~~ ~~3 hours~~
- ~~OST 255C Office Administration~~ ~~3 hours~~

Electives . . . Select two of the following:

- ~~OST 217C Transcription~~ ~~3 hours~~
- ~~OST 222C Advanced Desktop Publishing~~ ~~3 hours~~
- ~~OST 225C Records and Information Management~~ ~~3 hours~~
- ~~INS 270C Electronic Spreadsheets~~ ~~3 hours~~
- ~~INS 275C Web and Media Design~~ ~~3 hours~~
- ~~INS 285C Advanced Applications of Software~~ ~~3 hours~~

TOTAL ~~15 hours~~

5. — **Budget implications:** None. The five courses are existing courses which will be taught by existing faculty.

6. — **Proposed term for implementation:** Fall 2010

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

— Business Division: December 9, 2009

— Community College Curriculum Committee February 5, 2010

~~Undergraduate Curriculum Committee~~ ~~2/25/2010~~

~~University Senate~~

~~Attachment: Program Inventory Form~~

Bowling Green Community College
Business Division
Proposal to Create a New Certificate Program
(Action Item)

Contact Persons: ~~George Kontos, 780-2588, george.kontos@wku.edu~~
~~Aaron Peters, 780-2545, aaron.peters@wku.edu~~

1. Identification of program:

- 1.1 Program title: ~~Information Systems Certificate~~
- 1.2 Required hours in program: ~~15~~
- 1.3 Special information:
- 1.4 Catalog description:

~~Information Systems Certificate—15 hours~~

~~This certificate provides the necessary skills for entry level positions in computer related fields such as computer support specialist, information technology specialist, and network support specialist. There will be 5 courses leading to the certificate:~~

~~INS 181C Computer Programming I—3 hours~~
~~INS 275C Web & Media Design—3 hours~~
~~INS 281C Computer Programming II—3 hours~~
~~INS 285C Advanced Applications of Software—3 hours~~
~~INS 288C Network Administration—3 hours~~

~~Prerequisites: CSCI 145C (Intro to Computing) or equivalent; MA 116C (College Algebra) or permission of the instructor.~~

2. Objectives of the proposed certificate program: ~~This certificate is intended to provide students with the knowledge and skills needed to succeed in getting entry level employment in a computer or information related field.~~

~~Students will:~~

- ~~○ Improve their computer skills.~~
- ~~○ Enhance upward mobility with current employment.~~
- ~~○ Increase their chances of finding employment in any computer field.~~
- ~~○ Prepare for computer certification exams (Microsoft Office, IC³, etc.)~~

~~As a result of obtaining this certificate, students will be able to:~~

- ~~○ Explain computer hardware and software.~~
- ~~○ Install software.~~
- ~~○ Use an operating system.~~
- ~~○ Use common program functions of Windows.~~
- ~~○ Perform word processing, spreadsheet, presentation, and data base functions.~~

- ~~Use networks, the Internet, and electronic mail.~~
- ~~Explain the impact that computers and the Internet have on society.~~
- ~~Plan and develop Web pages and Web sites.~~
- ~~Design and develop computer programs.~~
- ~~Construct a basic network layout.~~
- ~~Explain how to install a network operating system.~~
- ~~Understand how to prevent attacks that may disrupt a network.~~
- ~~Learn how to monitor network performance.~~

3. ~~Rationale:~~

- 3.1 ~~Reason for developing the proposed certificate program: Such certificate does not currently exist at BGCC and WKU. The certificate will prepare individuals to work in an information system, a system involving hardware, software, data, people, and procedures, all functioning together to help manage a company. It can help students succeed in obtaining an Associate degree in Information Systems (223) at BGCC or a Baccalaureate Degree in Computer Science (629) and/or Computer Information Systems (347, 507) at WKU. It can also help them obtain other popular and established certifications such as the CompTIA's A+ certification, the Internet and Computing Core Certification (IC³), and the Microsoft Office Specialist certification.~~
- 3.2 ~~Relationship of the proposed certificate program to other programs now offered by the department: No department (BGCC's Business Division) certificate programs are directly related to the proposed Information Systems certificate program except for the Computer Literacy certificate which only provides general computer knowledge and skills. The proposed Information Systems certificate is related to the Information Systems (223) Associate Degree program. However, it is different because it does not cover all areas of the Information Systems Associate Degree and it is a lot faster (15 hours versus 60 hours) to complete.~~
- 3.3 ~~Relationship of the proposed certificate program to certificate programs offered in other departments: There are no information systems certificates at BGCC or WKU. Two-year and four-year degree programs that relate to the proposed certificate are Information Systems (223), Computer Science (629), and Computer Information Systems (347, 507). However, these programs are a lot more rigorous and take years to complete. This certificate, in just 15 credit hours, offers essential knowledge and skills of computers and can lead to employment as computer support specialists (US trends +13%, KY trends +19%), computer security specialists (US trends +27%, KY trends +35%), and network systems and data communications analysts (US trends +53%, KY trends +50%) [Source: <http://online.onetcenter.org/find/career?c=11&g=Go>]~~
- 3.4 ~~Projected enrollment in the proposed certificate program: Initially less than 20, then it will most likely grow and will certainly attract students from outside the department.~~
- 3.5 ~~Similar certificate programs offered elsewhere in Kentucky and in other states (including programs at benchmark institutions):~~
~~In Kentucky—~~
 - ~~University of Louisville: Offers at least two computer-related certificates but not an information systems certificate. It also offers Bachelor of Arts degrees in Computer Science and in Computer Information Systems.~~
 - ~~University of Kentucky: Offers a Bachelor in Decision Science and Information Systems but no information systems certificate.~~

- ~~Other Universities/Colleges in Kentucky (Strayer U. in Louisville/Lexington, Sullivan U. in Fort Knox/Lexington, etc.) offer two or four year computer degrees and also a number of computer certificates.~~

~~In other states —~~

~~Most major universities and some colleges in the United States offer similar computer degrees and programs. Saint Peters College and Strayer U. in New Jersey are just two examples of colleges and universities in the country that also offer (management) information systems certificate programs.~~

- 3.6 ~~Relationship of the proposed certificate program to the university mission and objectives: An information systems certificate can help individuals obtain jobs as computer support specialists, computer security specialists, and network systems and data communications analysts which are in great demand and will continue to grow as the US/KY trends show (see item 3.3 above).~~

~~An information systems certificate will increase student learning by offering more opportunities to students to enhance their technology skills. It can also open opportunities for students to work and collaborate with other like professionals and perhaps expand their horizons by visiting other countries where computer related certificate graduates are in demand. In a way, this may help project the image of WKU as being a leading American university with international reach.~~

4. ~~Curriculum:~~

~~The curriculum consists of five 3 hour credit courses that are currently used in the department (Business Division). No new courses are required. Following is a list of the courses, including course titles and credit hours for each course.~~

INS 181C Computer Programming I	3 hours
INS 275C Web & Media Design	3 hours
INS 281C Computer Programming II	3 hours
INS 285C Advanced Applications of Software	3 hours
INS 288C Network Administration	3 hours

~~Total: 15 hours~~

5. ~~**Budget implications:** None. The five courses in this certificate are existing courses which will be taught by existing faculty.~~

6. ~~**Proposed term for implementation:** Fall 2010~~

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

~~Business Division: December 9, 2009~~

~~Community College Curriculum Committee February 15, 2010~~

~~Undergraduate Curriculum Committee 2/25/2010~~

Attachment: Program Inventory Form

**College Of Health And Human Services
Department of Communication Disorders
Proposal to Create a New Course
(Action Item)**

Contact Person: Kimberly Green, M.A., CCC-SLP; kimberly.green@wku.edu; 5-4303

1. Identification of proposed course:

- 1.1 Course prefix and number: CD 200
- 1.2 Course title: Cross Cultural Health Care Encounters
- 1.3 Abbreviated course title: Cross Cultr Hth Care Encounter
- 1.4 Credit hours: 1
- 1.5 Type of course: Lecture
- 1.6 Prerequisites/ Corequisites: None
- 1.7 Course catalog listing: Provides the opportunity to understand and analyze cross-cultural issues related to communication that emerge in health care settings, particularly during a patient-provider encounter.

2. Rationale:

- 2.1 Reason for developing the proposed course: This course satisfies the requirements for the proposed new certificate program in Cross Cultural Communication in Health Care. It is an introductory course that can also serve as an elective for students in other disciplines. This course will provide the opportunity to understand and analyze cross-cultural issues related to communication that emerge in health care settings, particularly during a patient-provider encounter.
- 2.2 Projected enrollment in the proposed course: 20 students per year based on previous interest from potential students and enrollment in related coursework.
- 2.3 Relationship of the proposed course to courses now offered by the department: None
- 2.4 Relationship of the proposed course to courses offered in other departments:
COMM 440, Health Communication. This course addresses the crucial role of effective communication in health care as a means to ensure patient safety and improve outcomes. While being closely related, it lacks the cross cultural component.
COMM 263, Fundamentals of Communication and Culture. This is an introductory class in the basic understanding of the relationship between communication and culture. However, it lacks the health care focus.
COMM 463, Intercultural Communication. This is a class about the basics of communication behaviors across cultures. It focuses on the broad understanding of how culture affects communication in general, particularly in the media.
- 2.5 Relationship of the proposed course to courses offered in other institutions: No similar courses were identified in Kentucky universities or at our benchmark institutions. Similar courses are offered at the Cambridge College, the College of Charleston, the Monterey Institute of International Studies, the State University of New York at Albany, the University of Georgia, and the University of Memphis.

3. Discussion of proposed course:

3.1 Course objectives:

Students will be able to:

- Explain how communication is influenced by culture.
- Understand how cultural differences can pose a barrier to effective communication.
- Understand cross-cultural communication from a health care provider perspective.
- Understand how ineffective cross-cultural communication can affect access and outcomes, leading to disparities in health care.
- Apply different models for resolving cultural barriers to health care communication.

3.2 Content outline:

- Introduction to Cross Cultural communication.
- Culture, communication and health literacy.
- Culturally diverse health care experience in the United States
- Cross Cultural Provider-patient-interpreter encounter

3.3 Student expectations and requirements: case studies, readings, exams

3.4 Tentative texts and course materials:

- Levine, Deena R., & Adelman, Mara B. (1993). Beyond Language: Cross-Cultural Communication (2nd edition). New Jersey: Prentice Hall Regents. (ISBN: 0-13-094855-1)
- Yehli, Michele & Grey, Mark A. Health Matters: A Pocket Guide For Working With Diverse Cultures and Underserved Populations. Intercultural Press; 1 edition (July 4, 2005). 146 pp. (ISBN-10: 1931930201 ISBN-13: 978-1931930208)

4. Resources:

4.1 Library resources: Adequate

4.2 Computer resources: Adequate

5. Budget implications:

5.1 Proposed method of staffing: Existing faculty

5.2 Special equipment needed: None

5.3 Expendable materials needed: None

5.4 Laboratory materials needed: None

6. Proposed term for implementation: Fall 2010.

7. Dates of prior committee approvals:

Communication Disorders Department: 12/16/09

CHHS Undergraduate Curriculum Committee 2/3/2010

Undergraduate Curriculum Committee 2/25/2010

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

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

Contact Person: Kimberly Green, M.A., CCC-SLP, kimberly.green@wku.edu, 5-4303

1. Identification of proposed course:

- 1.1 Course prefix and number: CD 210
- 1.2 Course title: Communication Disorders in Linguistically Diverse Populations
- 1.3 Abbreviated course title: CD in Linguistically Diverse
- 1.4 Credit hours: 3
- 1.5 Type of course: Lecture
- 1.6 Prerequisites/corequisites: None
- 1.7 Course catalog listing: Foundation for the identification, evaluation, and treatment of communication disorders in clients from diverse cultural and linguistic backgrounds.

2. Rationale:

- 2.1 Reason for developing the proposed course: The department of Communication Disorders does not currently offer a course that addresses communication disorders in multicultural populations. Bowling Green and surrounding areas are experiencing a significant growth in culturally diverse populations. This course meets the certificate requirements for completion of the proposed Certificate in Cross Cultural Communication in Health Care. This course will also serve as an elective course for degree seeking students in Communication Disorders.
- 2.2 Projected enrollment in the proposed course: 20 per year based on previous interest by potential students and enrollment in related coursework.
- 2.3 Relationship of the proposed course to courses now offered by the department: This course does not duplicate content of courses in other academic units.
- 2.4 Relationship of the proposed course to courses offered in other departments: No other departments currently offer a course with similar content.
- 2.5 Relationship of the proposed course to courses offered in other institutions: At present there are three recognized benchmark universities with similar courses that address multicultural issues in communication disorders. Those schools include Central Missouri State University, Florida Atlantic University and California State University-Fresno. A number of other institutions were identified as offering related courses. These universities include (but are not limited to) East Carolina University, The Medical University of South Carolina and The University of Dallas at Texas. No programs in communication disorders in the state of Kentucky were found to offer a similar course.

3. Discussion of proposed course:

- 3.1 Course objectives: Upon completion of this course students will be able to:
 - Identify cultural and linguistic variables which may impact speech-language pathology services to members of specific culturally and linguistically diverse (CLD) groups.
 - Describe potential limitations of standardized testing with CLD clients
 - Contrast communication differences and communication disorders in CLD

- populations.
 - Describe the role of the interpreter in the diagnosis and treatment of a client with no or limited English proficiency.
- 3.2 Content outline:
 - Impact of Immigrant/Refugee Status and Religion and Implications for Speech-Language Pathologists
 - Cultural Sensitivity and Multicultural Issues in Speech-Language Pathology
 - Working with multidisciplinary, transdisciplinary and interdisciplinary teams
 - Bilingual support personnel: utilizing the services of interpreters
- 3.3 Student expectations and requirements: exams, readings, projects, case studies
- 3.4 Tentative texts and course materials:
 - Roseberry-McKibbin, C. (2008). *Multicultural Students with Special Language Needs: Practical strategies for assessment and intervention (2nd ed.)*. Oceanside, CA: Academic Communication Associates.
 - Coleman, T. (2000). *Clinical Management of Communication Disorders in Culturally Diverse Children*. Needham, MA: Allyn & Bacon.
- 4. Resources:**
 - 4.1 Library resources: Adequate
 - 4.2 Computer resources: Adequate
- 5. Budget implications:**
 - 5.1 Proposed method of staffing: Existing faculty.
 - 5.2 Special equipment needed: None
 - 5.3 Expendable materials needed: None
 - 5.4 Laboratory materials needed: None
- 6. Proposed term for implementation:** Fall 2010
- 7. Dates of prior committee approvals:**

Communication Disorders Department:	12-16-09
CHHS Undergraduate Curriculum Committee:	2/3/2010
Undergraduate Curriculum Committee	2/25/2010
University Senate	

Attachment: Bibliography, Library Resources Form, Course Inventory Form

**College Of Health And Human Services
Department of Communication Disorders
Proposal to Create a New Course
(Action Item)**

Contact Person: Kimberly Green, M.A., CCC-SLP; kimberly.green@wku.edu; 5-4303

1. Identification of proposed course:

- 1.1 Course prefix and number: CD220
- 1.2 Course title: Implementing and Managing a Language Access Service
- 1.3 Abbreviated course title: Language Access Service
- 1.4 Credit hours: 3
- 1.5 Type of course: Lecture
- 1.6 Prerequisites/Corequisites: None
- 1.7 Course catalog listing: Implementation and maintenance of successful language access services in health care facilities. Addresses the legal and administrative aspects of language access programs and services.

2. Rationale:

- 2.1 Reason for developing the proposed course: This course satisfies the requirements for the proposed new certificate program in Cross Cultural Communication in Health Care. This course may also serve an elective for students in other disciplines. This class focuses in the legal and administrative aspects of language access. Its main goal is to train students with a health care or health administration background in implementing and maintaining a successful language access service at a health care facility.
- 2.2 Projected enrollment in the proposed course: 20 students per year based on previous interest expressed by potential students and enrollment in related coursework.
- 2.3 Relationship of the proposed course to courses now offered by the department: No similar courses are currently offered in the department.
- 2.4 Relationship of the proposed course to courses offered in other departments: No similar courses are currently offered in other departments.
- 2.5 Relationship of the proposed course to courses offered in other institutions: No similar courses were identified in Kentucky universities or at our benchmark institutions.

3. Discussion of proposed course:

- 3.1 Course Objectives:
Students will be able to:
 - Understand the technical and ethical dimensions of Language Access.
 - Discuss current legislation and elements of compliance in Language Access
 - Understand and apply the basic structure of a Language Access plan to a case study.
 - Apply strategic planning to Language Access.
 - Understand the financial dimension of Language Access and apply to a case study.
- 3.2 Course Outline
 - Introduction to Language Access.

- ### 3.4 Tentative texts and course materials:

4.2 Computer resources: Adequate

5.4 Laboratory materials needed: None.

7. Dates of prior committee approvals:

University Senate

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**College Of Health And Human Services
Department of Communication Disorders
Proposal to Create a New Course
(Action Item)**

Contact Person: Kimberly Green, M.A., CCC-SLP; kimberly.green@wku.edu; 5-4303

1. Identification of proposed course:

- 1.1 Course prefix and number: CD 230
- 1.2 Course title: Medical Interpreting Skills
- 1.3 Abbreviated course title: Medical Interpreting Skills
- 1.4 Credit hours: 3
- 1.5 Type of course: Lecture
- 1.6 Prerequisites: **Medical Terminology AH 290, score of “intermediate-high” or above on the American Council on Teaching Foreign Language (ACTFL) Language Certified Oral Proficiency Interview in both English and the target language. Information regarding this test and associated fees can be found at www.actfl.org.**
- 1.7 Course catalog listing: Introduces and builds the skills necessary for a bilingual student to become a professional medical interpreter. Examines the various roles of the professional medical interpreter.

2. Rationale:

- 2.1 Reason for developing the proposed course: This course satisfies the requirements for the proposed new certificate program in Cross Cultural Communication in Health Care. This course may also serve as an elective for students in other disciplines.
- 2.2 Projected enrollment in the proposed course: 20 students per year based on previous interest from potential students and enrollment in related coursework.
- 2.3 Relationship of the proposed course to courses now offered by the department: No similar courses are currently offered in the department.
- 2.4 Relationship of the proposed course to courses offered in other departments: No similar courses are offered in other departments.
- 2.5 Relationship of the proposed course to courses offered in other institutions: No other universities in Kentucky were identified as offering like courses. Similar courses are offered by all the institutions that have developed medical interpreting certificate programs, including Boston University, New York University, University of Georgia, University of Memphis, University of Arkansas, University of Massachusetts, San Francisco State University, Kennesaw State University, The Cambridge College, The College of Charleston, Roxbury College, The York College, and the Monterey Institute of International Studies.

3. Discussion of proposed course:

3.1 Course Objectives:

Upon completion of the course the students will be able to:

- Understand the main elements involved in human communication as they apply to the interpreting task
- Understand the basic roles of the medical interpreter and the concept of incremental intervention.
- Understand the role of health literacy as a barrier to communication in health care.
- Develop techniques for expanding the capacity of the short-term memory and for improving expressive abilities in both languages
- Conduct simulated medical interpreter sessions using appropriate interpreter skills in

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

**College of Health and Human Services
Department of Communication Disorders
Proposal to Create a New Certificate Program
(Action Item)**

Contact Person: Dr. Joseph Etienne, joseph.etienne@wku.edu, 5-8998
Kimberly Green, kimberly.green@wku.edu, 5-4303

1. Identification of program:

- 1.1 Program title: Cross Cultural Communication in Health Care
- 1.2 Required hours in program: 15 credit hours.
- 1.3 Special information: This is an interdisciplinary program which will be offered to bilingual students seeking to work as interpreters in medical facilities, and non-bilingual students interested in the implementation and/or management of language access programs. **As a prerequisite, bilingual students in the medical interpreting track must pass the American Council on Teaching Foreign Language (ACTFL) Certified Oral Proficiency Interview with a score of “intermediate-high” or above, in both English and the target language. Information regarding this test and associated fees can be found at www.actfl.org.**
- 1.4 Catalog description: The certificate program in Cross Cultural Communication in Health Care requires 15 credit hours. It is designed to meet the needs of both bilingual and monolingual students. Bilingual students will receive preparation for certification as medical interpreters. The program will prepare non-bilingual students to develop and administer language access programs in health care facilities.

2. Objectives of the proposed certificate program:

Upon completion of the program students will be able to:

- Understand appropriate use of bilingual skills in various health care settings (bilingual track)
- Discuss the main legal and administrative aspects of culturally and linguistically appropriate care
- Understand diversity from a health care, allied health or public health professional perspective
- Identify the need for language access resources at the local, regional, state and national level as defined by the National Standards for Culturally and Linguistically Appropriate Care (CLAS) and the guidelines of the Joint Commission on Accreditation of Healthcare Organizations (JCAHO)
- Collaborate with health care and allied health professionals to promote equal access to health care and public health programs for patients who are limited English proficient (LEP)
- Discuss the administrative and development process of a language access program in health care settings

3. Rationale:

3.1 Reason for developing the proposed certificate program:

- According to data from the US Census Bureau, the number of Americans whose main spoken language at home is different from English grew from 31.8 million in 1990 to 47 million in 2000. According to the same source, in 2006 there were approximately 55 million Americans who spoke a language different from English at home.
- Although currently there is no national certification of health care interpreters, there are two parallel organizations in the process of developing standards and guidelines. The proposed Cross Cultural Communication in Health Care Certificate is being developed based on standards of the following organizations:
 - The National Board of Certification for Medical Interpreters is led by the International Medical Interpreters' Association (IMIA) in Massachusetts and Language Line Services Inc. The first of their pilot written and oral tests will be available in the spring of 2010.
 - The Certification Commission for Healthcare Interpreters is led by The National Council of Interpreters in Health Care and various other stakeholders have also forged efforts to standardize competencies for medical interpreters. They aspire to have a certification test in place by the fall of 2010.
 - The developers of the proposed certificate currently have a working relationship with both of the afore mentioned organizations as well as the Kentucky Hospital Association's Committee for Effective Communication in Hospitals and the Kentucky Cabinet for Health and Family Services Language Access Division.
- At the local level, TJ Samson Community Hospital is the only health care facility in South Central Kentucky that has staff trained to maintain a formal Language Access Service. This was developed in partnership with the South Central AHEC in the College of Health and Human Services at Western Kentucky University.

3.2 Relationship of the proposed certificate program to other programs now offered by the department: The Department of Communication Disorders offers a certificate program in American Sign Language (ASL). Students enrolling in ASL can further their skills by adding and acquiring medical interpreting knowledge to their skill base.

3.3 Relationship of the proposed certificate program to certificate programs offered in other departments: none other than the aforementioned certificate in ASL

3.4 Projected enrollment in the proposed certificate program: 20 per year based on previous interest expressed by potential students and enrollment in related coursework.

3.5 Similar certificate programs offered elsewhere in Kentucky and in other states (including programs at benchmark institutions):

Eastern Kentucky University offers American Sign Language Interpreting as a bachelor's degree, but not a certificate. At present there are no similar certificate programs offered at benchmark universities, however 18 programs have been identified at other institutions. A selection of these programs have been identified in the following chart:

Institution	Coursework	Online	Language specific
University of Georgia	3 credit hours (or CEU's)	No	Yes Spanish
University of Memphis	40 Calendar Hours	No	No
NYU	160 Clock Hours	No	Yes, Spanish.

Rutgers University	Bachelors Degree 36 credit hours. Certificate option 19-21 Credit Hours	No	Yes, Spanish
College of Charleston	12 Credit Hours	No	Yes, Spanish
Boston University	120 clock hours	No	Yes, Chinese, Portuguese, Spanish

3.6 Relationship of the proposed certificate program to the university mission and objectives: The proposed certificate program provides new opportunities for students not only to acknowledge diversity, but to become actual cultural brokers, thus giving them a unique perspective and many meaningful tools for leadership and human interactions in a global society.

It provides a pathway to serve some of the most vulnerable groups in society while opening the door for the creation of more and better job opportunities for the graduates. By “raising the bar” in terms of quality and accuracy of language assistance services, this program will create greater awareness among the medical and paramedical community in the region regarding the importance of trained medical interpreters.

4. Curriculum: This is a 15 credit hour Certificate.

Required Classes:

Core Requirements: 12 credit hours

- AH 290 Medical Terminology 2 hours
- CD 200 Cross Cultural Communication in Health Care Encounters 1
- PH 447 Human values and the Health Sciences or
- PHIL 322 Medical Ethics 3
- CD 210 Communication Disorders in Linguistically Diverse Populations 3
- COMM 440 Health Communication 3

Required Electives: 3 credit hours (students will enroll in one of the following classes)

- CD 220 Medical Interpreting Skills (bilingual track) 3
- CD 230 Developing and Managing a Language Access Service (monolingual track) 3

5. Budget implications: Existing faculty will be utilized as well as a member of the professional staff with Adjunct Faculty status.

6. Proposed term for implementation: Fall 2010

7. Dates of prior committee approvals:

Communication Disorders Department: 12/16/09

CHHS Undergraduate Curriculum Committee 2/3/2010

Undergraduate Curriculum Committee 2/25/2010

University Senate

Board of Regents

Attachment: Program Inventory Form

**Potter College of Arts and Sciences
Department of History
Proposal to Create a New Course
(Action Item)**

Contact Person: Beth Plummer, beth.plummer@wku.edu, x55739

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: HIST 101
- 1.2 Course title: World Civilization I
- 1.3 Abbreviated course title: World Civilization I
- 1.4 Credit hours and contact hours: 3
- 1.5 Type of course: L
- 1.6 Prerequisites/corequisites: None
- 1.7 Course catalog listing: A comparative historical survey of the major political, religious, and cultural developments in Asia, Africa, and the Mediterranean basin, Europe, and the Americas from ca. 3000 BCE to 1500 CE.

2. Rationale:

- 2.1 **Reason for developing the proposed course:** The history department has decided to add World History to its curriculum for several reasons:
 - to address the growing concern that we have adequate transferability of courses with the Kentucky Postsecondary Colleges and Universities
 - to meet the university mission of internationalizing offerings
 - to bring the History department in line with the shift in emphasis on globalization and comparative world civilizations happening within the historical profession over the last decade.
- 2.2 **Projected enrollment in the proposed course:** Initially 40, but could grow to 500 per semester
- 2.3 **Relationship of the proposed course to courses now offered by the department:** There is no other introductory survey course offered in the department offering the same comparative emphasis on multiple parts of the world. There will be some overlap with HIST 119 Western Civilization to 1648, HIST 110 Introduction to Asian Civilization, HIST 200 Intro to Latin America, HIST 360 History of Africa, but that should be minimal because of the emphasis of these four courses on one region of the world and much broader time periods. All other courses offered in the department are offered at the 300 and 400 level and are more in-depth studies of one of the regions or thematic in structure.
- 2.4 **Relationship of the proposed course to courses offered in other departments:** There are no equivalent courses in any other department. Where there may be some overlap in portions of the course, the overlap would be minimal. RELS 102 Intro to Religious Studies, RELS 103 Religions of Asia, ANTH 120 Introduction to Cultural Anthropology, GEOG 101 Introduction to Human Geography, GEOG 110 World Regional Geography, and FLK 277 Introduction to World Folk Music are all looking at aspects of world cultures, but each of these courses takes a very different perspective and disciplinary emphasis than this course. HIST 101 would complement these offerings not replace them.

- 2.5 **Relationship of the proposed course to courses offered in other institutions:** World Civilization and World History courses are offered in a large number of colleges and universities nationwide as this, along with Western Civilization, is one of the most common General Education requirements. A 2003 article found that more than 59% of all U.S. Universities offered World Civilization, and that number has continued to grow. Adding this course to the History Department curriculum will bring the department and WKU into line with most universities in the U.S.

Kentucky Schools:

KCTCS: World Civilization I (HIS 101)*
Murray State University: World Civilizations and Cultures I (CIV 101)*
University of Louisville: History of Civilizations I (HIST 101)
Northern Kentucky University: World History to 1500 (HIS108)
Eastern Kentucky University: World Civilization I (HIS 246)*
Kentucky State University: World Civilization I (HIS 101)
Morehead State University: Early World Civilization (HIS 210)*
University of Evansville (Harlaxton): World Civilization I (HIST 111)*

Benchmark Institutions:

Ball State University: World Civilization I (HIST 151)*
Eastern Illinois University: Roots of the Modern World: Society and Religion (HIST 1500)*
Middle Tennessee State University: Survey World Civilization I (HIST 1110)*
Eastern Michigan State University: World History to 1500 (HIST109)*

*fulfills General Education/Core Curriculum Requirement

3. Discussion of proposed course:

3.1 Course objectives:

Students will be expected to be able:

- To identify the general outlines of Ancient and Medieval World History including a basic understanding of major themes, historical events, cultural developments, and individuals of pre-modern world civilizations.
- To compare and contrast general aspects of political, religious, economic, and social systems from Ancient and Medieval World civilizations.
- To describe and analyze the emergence of civilization and analyze the emergence and impact of cultural contact from 3000BCE to 1500CE (e.g. emergence of stable states, basic philosophical and religious systems, geographic expansion and interaction, economic and technological advance)
- To explain cause and effect relationships in history and understand historical method.
- To interpret why a specific primary document was produced and to be able to contrast this document with similar documents produced by other civilizations.
- To read and analyze primary source historical documents.
- To write short analytical essays about primary sources.
- To demonstrate ability to synthesize, and write about. factual material and primary source material on essay exams.
- To demonstrate a developing historical objectivity, an increasing awareness of the problem of personal bias and opinion in historical analysis, and an ability to use a clear thesis and comparison of ideas in written work.

- 3.2 Content outline:
- I. Origins of Civilization
 - a. Mesopotamia/Ancient Near East; Old, Middle, and New Kingdom Egypt, Indus River and Harrappan India; Shang Dynasty
 - II. Spread of Civilization
 - a. Zhou and Qin China, Persia, Archaic/Classical Greece, Roman Republic, Ganges States
 - b. Early Religions and Philosophical traditions: Judaism, Hinduism, Daoism, Confucianism, Legalism
 - III. Classical Era
 - a. Classical Empires: Roman Empire, Han/Tang Dynasty, Gupta India, Byzantine Empire, Umayyad and Abbasid Empires
 - b. Birth of Global Economic Contact, Travel, and Urbanization: Mediterranean, Silk Road, Indian Ocean and Saharan Trade Routes
 - c. World Religions: Christianity, Islam, Buddhism
 - IV. Age of Crisis, Exploration and Cultural Expansions
 - a. Global Conflict and Crises: Crusades, Mongol Invasions, Black Death
 - b. Travel, Exploration and Conquest: Africa, Mesoamerica, Pilgrimage, Ottoman Empire, Japan
 - c. Cultural Expansion: Islamic Science, Chinese Technology, Renaissance
- 3.3 Student expectations and requirements: As part of developing an understanding of historical events and historical methodology, students will be required to discuss textbook chapters and assigned primary documents in class and to work on reading skills if necessary. They will also be expected to write short papers on reading material and write short analytical essays using footnotes and college-level English grammar and style. Faculty will work with students on developing these skills, along with the teaching of historical facts and methodology, and will provide all necessary assistance in this process. Students will be evaluated on essay exams, 2 analytical essays on primary sources, and class participation.
- 3.4 Tentative texts and course materials:
- Bulliet *et al.*, *The Earth and Its Peoples: A Global History*.
 - Andrea and Overfield, *The Human Record: Sources of Global History*

4. Resources:

- 4.1 Library resources: Adequate
- 4.2 Computer resources: Adequate

5. Budget implications:

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

6. Proposed term for implementation: Fall 2010

7. Dates of prior committee approvals:

History Department:	____1/21/2010____
Potter College Curriculum Committee	____2/4/10____
Undergraduate Curriculum Committee	____2/25/2010____
General Education Committee	_____
University Senate	_____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

**Potter College of Arts and Sciences
Department of History
Proposal to Create a New Course
(Action Item)**

Contact Person: Beth Plummer, beth.plummer@wku.edu, x55739

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: HIST 102
- 1.2 Course title: World Civilization II
- 1.3 Abbreviated course title: World Civilization II
- 1.4 Credit hours and contact hours: 3
- 1.5 Type of course: L
- 1.6 Prerequisites/corequisites: None
- 1.7 Course catalog listing: A comparative historical survey of the major political, religious, and cultural developments in Asia, Africa, Europe, and the Americas from 1500 to the present.

2. Rationale:

- 2.1 **Reason for developing the proposed course:** The history department has decided to add World History to its curriculum for several reasons:
 - to address the growing concern that we have adequate transferability of courses with the Kentucky Postsecondary Colleges and Universities
 - to meet the university mission of internationalizing offerings
 - to bring the History department in line with the shift in emphasis on globalization and comparative world civilizations happening within the historical profession over the last decade.
- 2.2 **Projected enrollment in the proposed course:** Initially 40, but could grow to 500 per semester
- 2.3 **Relationship of the proposed course to courses now offered by the department:** There is no other introductory survey course offered in the department offering the same comparative emphasis on multiple parts of the world. There will be some overlap with HIST 120 Western Civilization since 1648, HIST 110 Introduction to Asian Civilization, HIST 200 Intro to Latin America, HIST 241 The United States since 1865, HIST 360 History of Africa, but that should be minimal because of the emphasis of these five courses on one region of the world and much broader time periods. All other courses offered in the department are offered at the 300 and 400 level and are more in-depth studies of one of the regions or thematic in structure.
- 2.4 **Relationship of the proposed course to courses offered in other departments:** In general, there are no equivalent courses in any other department. Where there may be a small overlap in small portions of the course, this is minimal. RELS 102 Intro to Religious Studies, RELS 103 Religions of Asia, ANTH 120 Introduction to Cultural Anthropology, GEOG 101 Introduction to Human Geography, GEOG 110 World Regional Geography, and FLK 277 Introduction to World Folk Music are all looking at aspects of world

- cultures, but each of these courses takes a very different perspective and disciplinary emphasis than this course. HIST 102 would complement these offerings not replace them.
- 2.5 **Relationship of the proposed course to courses offered in other institutions:** World Civilization and World History courses are offered in a large number of colleges and universities nationwide as this, along with Western Civilization, is one of the most common General Education requirements. A 2003 article found that more than 59% of all U.S. Universities offered World Civilization, and that number has continued to grow. Adding this course to the History Department curriculum will bring the department and WKU into line with most universities in the U.S.

Kentucky Schools:

KCTCS: World Civilization II (HIS 102)*
Murray State University: World Civilizations and Cultures II (CIV 102)*
University of Louisville: HIST of Civilizations II (102)
Northern Kentucky University: World History since 1500 (109)
Eastern Kentucky University: World Civilization II (HIS 247)*
Kentucky State University: World Civilization II (HIS 102)
Morehead State University: Global Studies (HIS201)*
University of Evansville (Harlaxton): World Civilization II (HIST 112)*

Benchmark Institutions:

Ball State University: World Civilization II (HIST 152)*
Eastern Illinois University: Roots of the Modern World: Global Interactions (HIS 1520)*
Middle Tennessee State University: Survey World Civilization II (HIST 1120)*
Eastern Michigan State University: World History Since 1500 (HIST110)*

*fulfills General Education/Core Curriculum Requirement

3. Discussion of proposed course:

3.1 Course objectives:

Students will be expected to be able:

- To identify the general outlines of Modern World History including a basic understanding of the major themes, historical events, cultural developments, and individuals of modern global civilizations.
- To compare and contrast general aspects of political, religious, economic and social systems from Modern World civilizations.
- To describe and analyze global processes from 1500 C.E. to the present (e.g human migration, imperialism, industrialism, nationalism, globalization).
- To compare and contrast historical experiences across world cultures during the Modern era.
- To explain cause and effect relationships in history and understand historical method.
- To interpret why a specific primary document was produced and to be able to contrast this document with similar documents produced by other civilizations.
- To read and analyze primary source historical documents.
- To write short analytical essays about primary sources.
- To demonstrate ability to synthesize, and write about. factual material and primary source material on essay exams.

- To demonstrate a developing historical objectivity, an increasing awareness of the problem of personal bias and opinion in historical analysis, and an ability to use a clear thesis and comparison of ideas in written work.

3.2 Content outline:

- I. Early Modern Expansion and State-Building
 - a. Political Development and Absolutism: Ming Dynasty; Ottoman, Safavid, and Mughal Empires; European Wars of Religion
 - b. Economic Expansion: European Seaborne Empires, Atlantic World, Southeast Asia and the Spice Trade, Early Indian Colonization
 - c. Religious Conflicts: Reformation, Jesuits and Missionaries, Zen Buddhism, Islam
- II. Enlightenment and Revolution
 - a. Eighteenth Century Ideologies and Technology: Islamic Science and Medicine, Neo-Confucianism, Scientific Revolution and Enlightenment
 - b. Revolutions: France, America, Haiti, Latin America
 - c. Economy: England, China
- III. Imperialism and Industrialism
 - a. New Political Movements and Nation-Building: Germany, Latin American States, Qing China, Japan
 - b. Industrialism: Japan, Germany
 - c. Migration and Immigration
- IV. Global Conflict
 - a. Late 19th Century Imperialism and Global Realignment
 - b. World Wars
 - c. Decolonization and Cold War: China and Vietnam, Africa, Latin America, Middle East

3.3 Student expectations and requirements: As part of developing an understanding of historical events and historical methodology, students will be required to discuss textbook chapters and assigned primary documents in class and to work on reading skills if necessary. They will also be expected to write short papers on reading material and write short analytical essays using footnotes and college-level English grammar and style. Faculty will work with students on developing these skills, along with the teaching of historical facts and methodology, and will provide all necessary assistance in this process. Students will be evaluated on essay exams, 2 analytical essays on primary sources, and class participation.

3.4 Tentative texts and course materials:

Duiker and Spielvogel, *World History*, 3rd ed.

Wiesner *et al.*, *Discovering the Global Past*, Vol. II

4. Resources:

4.1 Library resources: Adequate

4.2 Computer resources: Adequate

5. Budget implications:

5.1 Proposed method of staffing: Existing Faculty

5.2 Special equipment needed: None

5.3 Expendable materials needed: None

5.4 Laboratory materials needed: None

6. Proposed term for implementation: Fall 2010

7. Dates of prior committee approvals:

History Department: 1/21/2010

Potter College Curriculum Committee 2/4/2010

Undergraduate Curriculum Committee 2/25/2010

General Education Committee _____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

**Potter College of Arts & Letters
Department of Modern Languages
Proposal to Create a New Course
(Action Item)**

Contact Person: Laura McGee, laura.mcgee@wku.edu, 5-2401

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: JAPN 210
- 1.2 Course title: Intermediate Japanese Conversation Abroad
- 1.3 Abbreviated course title: Intermed Japanese Conv Abroad
- 1.4 Credit hours and contact hours: 1-3 and 40
- 1.5 Type of course: Lecture/Lab
- 1.6 Prerequisites/corequisites: JAPN 102 or equivalent
- 1.7 Course catalog listing: Course designed to develop the vocabulary and communication skills of a student with one year of college Japanese or equivalent, with emphasis on contact with Japanese native speakers. Taught in Japanese. May be repeated for a total of 3 credits.

2. Rationale:

- 2.1 Reason for developing the proposed course: Effective July 1, 2009, Western Kentucky University became the Sponsoring Institution for the Kentucky Institute for International Studies. As part of the Memorandum of Agreement between WKU and KIIS, WKU undertook a commitment to “create the requisite academic courses for KIIS programs: (Paragraph 10 of the MOA). Most member institutions of the KIIS consortium do not offer “trailer” sections of language courses (e.g., FREN 202 in the Fall Semester, or SPAN 201 in the Spring). Thus, KIIS has found it necessary to develop a series of intermediate level language courses that students in KIIS programs may take during summer programs, while still being able to enroll in the normal sequence upon returning to their home institutions in the Fall Semester. Without this option, a student who took a JAPN 201 course during a summer program would effectively be penalized by having to wait six months or more before continuing with the JAPN 202 course in the Spring Semester. The course number may also be used for regular study abroad (non-KIIS) courses taught by WKU faculty.
- 2.2 Projected enrollment in the proposed course: During the years when Murray State University served as the Sponsoring Institution for KIIS, a similar course was offered in the Japan program, and had enrollments averaging between 8-12 students on an annual basis. KIIS anticipates continued offerings of this course in Japan.
- 2.3 Relationship of the proposed course to courses now offered by the department: There is no similar course. The new course will allow students at the intermediate level to have an immersion experience in an approved study abroad program, and will only be taught abroad. The course may not substitute for either JAPN 201 or JAPN 202, but may count as an elective for the major or minor.
- 2.4 Relationship of the proposed course to courses offered in other departments: The course may be offered in a KIIS program that also offers courses in other disciplines; for example, JAPN 210 may be offered in the KIIS Japan program alongside a history

course (e.g., HIST 461: Modern East Asia) or a theatre course (e.g., THEA 375: Traditional Japanese Theatre).

- 2.5 Relationship of the proposed course to courses offered in other institutions:
As mentioned above, this course will be equivalent to the former Murray State course that has been accepted as a transfer course by all other institutions in the KIIS consortium (Ball State University, Bellarmine University, Berea College, Bluegrass CTC, Bryan College, Campbellsville University, Carson-Newman College, Centre College, Eastern Kentucky University, Georgetown College, Kentucky State University, Middle Tennessee State University, Morehead State University, Murray State University, Northern Kentucky University, Pikeville College, Transylvania University, Union College, University of Kentucky, and University of Louisville).

3. Discussion of proposed course:

- 3.1 Course objectives: Students will develop their Japanese vocabulary and oral communication skills; Students will engage with native Japanese speakers and various aspects of Japanese culture in an immersion environment.
- 3.2 Content outline: Participation in a series of carefully planned and supervised activities designed to bring the student into contact with native speakers.
- 3.3 Student expectations and requirements: Evaluation will be based on quizzes, examinations, portfolios or short written work. Expectations also include participation in supervised excursions, and regular class attendance; more than one unexcused absence may result in failure.
- 3.4 Tentative texts and course materials: These will vary, depending on the instructor and locale in which the course is taught.

4. Resources:

- 4.1 Library resources: None required. The principal resources for this course will be the program site itself; this course will only be taught abroad, which will afford the instructor and students ample opportunities to engage with native speakers of Japanese in a full immersion environment.
- 4.2 Computer resources: None required.

5. Budget implications:

- 5.1 Proposed method of staffing: All KIIS programs are self-funded and require no budgetary support from WKU. This course will be taught during the summer term by a qualified instructor with a faculty appointment at WKU or one of the KIIS full member institutions.
- 5.2 Special equipment needed: None
- 5.3 Expendable materials needed: None
- 5.4 Laboratory materials needed: None

6. Proposed term for implementation:

Summer 2010

7. Dates of prior committee approvals:

Department of Modern Languages:

October 20, 2009

Potter College Curriculum Committee

February 4, 2010

Undergraduate Curriculum Committee

2/25/2010

University Senate

Attachment: Course Inventory Form

Bibliography and Library Resources Form are not applicable.

Proposal Date: October 20, 2009

**Potter College of Arts & Letters
Department of Modern Languages/KIIS
Proposal to Create a New Course
(Action Item)**

Contact Person: Laura McGee, laura.mcgee@wku.edu, 5-2401

1. Identification of proposed course

- 1.1 Course prefix and number: JAPN 211
- 1.2 Course title: Intermediate Japanese Culture Abroad
- 1.3 Abbreviated course title: Intermed Japan Culture Abroad
- 1.4 Credit hours and contact hours: 1-3 and 40
- 1.5 Type of course: Lecture/Lab
- 1.6 Prerequisites/corequisites: JAPN 102 or equivalent
- 1.7 Course catalog listing: Course designed to develop an appreciation for different aspects of Japan and its people and culture, for a student with one year of college Japanese or equivalent. Taught in Japanese. May be repeated for a total of 3 credits.

2. Rationale

- 2.1 Reason for developing the course: Effective July 1 2009, Western Kentucky University became the Sponsoring Institution for the Kentucky Institute for International Studies. As part of the Memorandum of Agreement between WKU and KIIS, WKU undertook a commitment to "create the requisite academic courses for KIIS programs" (Paragraph 10 of the MOA).
- 2.2 Most member institutions of the KIIS consortium do not offer "trailer" sections of language courses (e.g., FREN 202 in the Fall Semester, or GERM 201 in the Spring). Thus, KIIS has found it necessary to develop a series of intermediate level language courses that students in KIIS programs may take during summer programs, while still being able to enroll in the normal sequence upon returning to their home institutions in the Fall Semester. Without this option, a student who took a JAPN 201 course during a summer program would effectively be penalized by having to wait six months or more before continuing with the JAPN 202 course in the Spring Semester. The course number may also be used for regular study abroad (non-KIIS) courses taught by WKU faculty.
- 2.3 Projected enrollment in the proposed course: During the years when Murray State University served as the Sponsoring Institution for KIIS, a similar course was offered in the Japan I Program, and had enrollments averaging between 8-12 students on an annual basis. KIIS anticipates continued offerings of this course in its Japan program, as well as in other programs sited in Japanese regions.
- 2.4 Relationship of the proposed course to courses now offered by the department: There is no similar course. The new course will allow students at the intermediate level to have an immersion experience in an approved study abroad program, and will only be taught abroad. The course may not substitute for either JAPN 201 or JAPN 202, but may count as an elective for the major or minor.

- 2.5 Relationship of the proposed course to courses offered in other departments: The course may be offered in a KIIS program that also offers courses in other disciplines; for example, JAPN 211 may be offered in the KIIS Japan program alongside a history course (e.g., HIST 490: World War II in Japan) or a marketing course (e.g., MKT 491: Marketing Study Abroad).
- 2.6 Relationship of the proposed course to courses offered at other institutions: As mentioned above, this course will be equivalent to the former Murray State course that has been accepted as a transfer course by all other institutions in the KIIS consortium (Ball State University, Bellarmine University, Berea College, Bluegrass CTC, Bryan College, Campbellsville University, Carson-Newman College, Centre College, Eastern Kentucky University, Georgetown College, Kentucky State University, Middle Tennessee State University, Morehead State University, Murray State University, Northern Kentucky University, Pikeville College, Transylvania University, Union College, University of Kentucky, and University of Louisville).
3. **Description of proposed course**
 - 3.1 Course objectives: Students will develop their Japanese communication skills, and gain appreciation for Japanese culture. Students will engage with native Japanese speakers and various aspects of Japanese culture in an immersion environment.
 - 3.2 Content outline: Participation in carefully planned and supervised activities designed to bring the student into contact with Japanese people and aspects of their culture.
 - 3.3 Student expectations and requirements: Evaluation may be based on quizzes, examinations, portfolios or short written work. Expectations also include participation in supervised excursions, and regular class attendance; more than one unexcused absence may result in failure.
 - 3.4 Tentative texts and course materials: These will vary, depending on the instructor and locale in which the course is taught.
4. **Resources**
 - 4.1 Library resources: The principal resource for this course will be the program site itself; this course will only be taught abroad, which will afford the instructor and students ample opportunities to engage with native speakers of Japanese in a full immersion environment. No additional library resources or instructional technology will be required.
 - 4.2 Computer resources: None required.
5. **Budget implications**
 - 5.1 Proposed method of staffing: This course will be taught during the summer term by a qualified instructor with a faculty appointment at WKU or one of the KIIS full member institutions.
 - 5.2 Special equipment needed: None.
 - 5.3 Expendable materials needed: None.
 - 5.4 Laboratory materials needed: None.
6. **Proposed term for implementation:** This course will begin implementation in the Summer of 2010.
7. **Dates of prior committee approvals:**

Modern Languages Department

October 20, 2009

Potter College Curriculum Committee

February 4, 2010

Undergraduate Curriculum Committee

2/25/2010

University Senate

Attachment: Course Inventory Form

Bibliography and Library Resources Form are not applicable.

**Potter College
Department of History
Proposal to Revise A Program
(Action Item)**

Contact Person: Marc Eagle, marc.eagle@wku.edu, 745-7026

1. Identification of program:

- 1.1 Current program reference number: 408
- 1.2 Current program title: Minor in Latin American Studies
- 1.3 Credit hours: 21

2. Identification of the proposed program changes:

- Change program requirement from courses in four different departments to three different departments
- Add ANTH/FLK 340
- Add ANTH/FLK 342
- Add SPAN 470
- Add SPAN 490
- Remove PS 351 and 462 (no longer offered), replace with PS 362
- Remove SPAN 270 and 271 (no longer offered), replace with SPAN 201 and SPAN 202

3. Detailed program description:

Catalog description	
Current	Revised
The minor in Latin American Studies (reference number 408) requires a minimum of 21 semester hours. An Introduction to Latin America (cross-listed as GEOG 200, PS 200, HIST 200, and SPAN 200) is required of students taking the minor. At least four departments must be represented among the remaining 18 hours. Completion of one year of college Spanish or Portuguese or its equivalent is an additional requirement.	The minor in Latin American Studies (reference number 408) requires a minimum of 21 semester hours. An Introduction to Latin America (cross-listed as GEOG 200, PS 200, HIST 200, and SPAN 200) is required of students taking the minor. At least three departments must be represented among the remaining 18 hours. Completion of one year of college Spanish or Portuguese or its equivalent is an additional requirement.

Approved courses for the minor	
Current	Revised
GEOG/HIST/PS/SPAN 200	GEOG/HIST/PS/SPAN 200 - Intro Lat Am
GEOG 454	ANTH 340 - Peoples and Cultures of Lat Am
GEOG 462	ANTH 342 - Peoples and Cultures of Caribbean
PS 351	FLK 340 - Peoples and Cultures of Lat Am
PS 462	FLK 342 - Peoples and Cultures of Caribbean
HIST 364	GEOG 454 - Geography of Middle America
HIST 365	GEOG 462 - Geography of South America
HIST 464	PS 362 - Govt and Politics of Lat Am
HIST 465	HIST 364 - Colonial Lat Am
SPAN 270	HIST 365 - Lat Am Republics
SPAN 271	HIST 464 - Lat Am and the US
SPAN 370	HIST 465 - Mexican Republic
SPAN 371	SPAN 201 - Intermediate Span I
SPAN 375	SPAN 202 - Intermediate Span II
SPAN 376	SPAN 370 - Spanish Conversation
SPAN 377	SPAN 371 - Spanish Composition and Grammar
SPAN 471	SPAN 375 - Lat Am Women
SPAN 477	SPAN 376 - Lit and Culture of Lat Am
SPAN 478	SPAN 377 - Lit and Culture of Spanish Caribbean
	SPAN 470 - Advanced Oral Spanish
	SPAN 471 - Advanced Spanish Composition
	SPAN 477 - Lat Am: Colonial to Modern
	SPAN 478 - 20 th -Century Lat Am
	SPAN 490 - Hispanic Film

4. Rationale for the proposed program change:

- When the minor was originally created, there were a greater number of departments offering relevant courses, but now it is considerably more difficult for students in the minor to find courses. Lowering the requirement for additional courses from four to three different departments preserves the interdisciplinary approach of the minor but makes it a great deal easier for students to complete their minor requirements in four years.
- ANTH/FLK 340, Peoples and Cultures of Latin America, is not currently part of the courses for the minor but clearly fits within the scope of the program.
- Since the Caribbean is considered culturally part of Latin America, ANTH/FLK 342, Peoples and Cultures of the Caribbean should be added to the list of courses accepted for the minor.
- SPAN 470, Advanced Oral Spanish, appears to have been left off as an oversight and should be added since SPAN 370, Spanish Conversation, is also accepted for the major.

- SPAN 490, Hispanic Cinema, provides an introduction to Latin American, Spanish, and US-Hispanic-Latino films and filmmakers, and is clearly relevant to Latin America studies.
- PS 351 and PS 462 are currently listed for the minor, but have been deleted from the course catalog and replaced by PS 362, Politics of Latin America.
- SPAN 270 and SPAN 271 are currently listed for the minor, but have been deleted from the course catalog and replaced by SPAN 201 and SPAN 202, Intermediate Spanish I and II.

5. Proposed term for implementation and special provisions (if applicable): Fall 2010

6. Dates of prior committee approvals:

Latin American Studies Advisor:	1/22/10
Potter College Dean's Office	1/22/10
PCAL Curriculum Committee	2/4/10
Undergraduate Curriculum Committee	<u>2/25/2010</u>
University Senate	_____

Attachment: Program Inventory Form

Proposal Date: 12/1/09

**Potter College of Arts & Letters
School of Journalism & Broadcasting
Proposal to Revise a Program
(Action Item)**

Contact Person: Cliff Shaluta, cliff.shaluta@wku.edu; o: 745-5833 or c: 991-6966

1. Identification of program:

- 1.1 Current program reference number: #727
- 1.2 Current program title: Major in Advertising
- 1.3 Credit hours: 36

2. Identification of the proposed program changes: Branding will replace the title of the Account Services concentration.

3. Detailed program description:

<i>Current concentration titles in the major:</i> Account Services Creative-Print Advertising Design Creative-Interactive Advertising Design	<i>Revised concentration titles in the major:</i> Branding Creative-Print Advertising Design Creative-Interactive Advertising Design
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4. Rationale for the proposed program change:

The process of transforming the intangible aspects of a product or service into a tangible persuasive communication is known as branding. Advertising agencies are developing niche branding divisions to better serve client needs. Academic institutions are developing new programs. For example, Virginia Commonwealth University's AdCenter was recently renamed VCU BrandCenter to highlight branding as crucial part of the advertising mix. The proposed change in title of the concentration from Account Service to Branding better reflects the nature of the work that today's advertising graduates are performing.

5. Proposed term for implementation and special provisions (if applicable): 2010 (20)

6. Dates of prior committee approvals:

School of Journalism & Broadcasting Curriculum	<u>December 9, 2009</u>
School of Journalism & Broadcasting	<u>December 11, 2009</u>
Potter College Curriculum Committee	<u>February 4, 2010</u>
Undergraduate Curriculum Committee	<u>2/25/2010</u>

University Senate

Attachment: Program Inventory Form

**Potter College of Arts & Letters
School of Journalism & Broadcasting
Proposal to Create a New Minor Program
(Action Item)**

Contact Person: Cliff Shaluta, cliff.shaluta@wku.edu; o: 745-5833 or c: 991-6966

1. Identification of program:

- 1.1 Program title: Minor in Digital Advertising (Reference #)
- 1.2 Required hours in minor program: 24
- 1.3 Special information: Advisement and registration for the proposed minor will be the responsibility of the School of Journalism & Broadcasting.
- 1.4 Catalog description:
The minor in digital advertising (reference #) requires 24 hours of course work and is appropriate for students interested in developing a better understanding of advertising utilizing emerging digital communication technologies. Students pursuing the minor will complete a core group of six classes and then select one concentration from the areas of Branding, Interactive Advertising Design, or Print Advertising Design.

Core courses include:

BCOM 201, JOUR 202, MKT 220, JOUR 232, JOUR 341, and JOUR 340.

Advertising minors who select the Branding concentration are required to take JOUR 346 and JOUR 349. Minors who select the Interactive Advertising Design concentration are required to take JOUR 344 and JOUR 348. Minors choosing the Print Advertising Design concentration are required to take JOUR 345 and either JOUR 343 or ART 331.

2. Rationale:

- 2.1 Reason for developing the proposed minor program: The business of advertising is being transformed as consumers are choosing new communication technologies to network and to access news and entertainment. While digital advertising now represents just 12% of total ad spending in the United States, the projections are that spending will double in the next five years. College graduates who have digital skills are in demand by businesses, government and non-government organizations of all types. Employer demand will make the proposed minor appealing to a number of different majors.
- 2.2 Projected enrollment in the proposed minor program: Twenty to 30 minors are expected annually, based on informal surveys as well as student interest as indicated from recruiting events and inquiries to the department.
- 2.3 Relationship of the proposed minor program to other programs now offered by the department: The proposed minor is interdisciplinary as it includes courses in journalism and a broadcasting course to establish a broad media context. But, the focus of the minor is advertising utilizing emerging communication technologies,

which is unique to the School of Journalism & Broadcasting. The new minor will replace current minors offered by the advertising program including reference #720, which is exclusively available to marketing majors and reference #303, which is limited to graphic design majors.

- 2.4 Relationship of the proposed minor program to other university programs: While various majors can benefit from the minor, the content is not duplicated in other programs at WKU.
- 2.5 Similar minor programs offered elsewhere in Kentucky and in other states: Murray State University offers both an advertising major and minor. University of Kentucky offers an Integrated Strategic Communications major and University of Louisville offers a BA and a minor in communication. Both of these programs include several advertising classes. However, no university program in Kentucky offers a digital advertising minor. Benchmark institutions, including the Brandcenter at Virginia Commonwealth University (VCU) and the advertising & public relations program at the University of Texas in Austin, offer interactive advertising tracks within their advertising programs.
- 2.6 Relationship of the proposed minor program to the university mission and objectives:
The proposed minor in digital advertising further differentiates the advertising program, the School of Journalism & Broadcasting, and WKU as innovators. The university mission states that we prepare students to be productive, engaged leaders in a global society. This minor program will provide the knowledge and guidance graduates need to more effectively communicate in an increasingly digital world.

3. **Objectives of the proposed minor:** The minor has three objectives: First, it introduces students to the basic principles of journalism including a respect for diversity, transparency, and ethical behavior; second, it exposes students to new forms of digital communication technologies; and third, it allows students to apply the first two objectives to real-world situations.

4. **Curriculum: Total 24 hours**

Core Courses (18 Hours):

- BCOM 201 Process and Effects of Mass Communication (3)
- JOUR 202 Introduction to Media Writing (3)
- JOUR 232 Electronic Technologies for Journalism (3)
- MKT 220 Basic Marketing Concepts (3)
- JOUR 341 Principles of Advertising (3)
- JOUR 340 Creative Strategy & Copywriting

Plus a two-course concentration (6 hours total):

Branding

- JOUR 346 Advertising Account Planning (3)
- JOUR 349 Advertising Media (3)

Interactive Advertising Design

- JOUR 344 Advertising in a Digital World (3)

- JOUR 348 Introduction to Interactive Ad Design (3)

Print Advertising Design

- JOUR 343 Print Design, Production and Typography (3) **or** ART 331 Visual Thinking (3)
- JOUR 345 Copywriting & Layout (3)

5. Budget implications: All the courses in this minor can be managed with existing faculty and current departmental resources. Should enrollment grow beyond projections, new sections of current courses will be added where applicable.

6. Proposed term for implementation: Fall 2010(30)

7. Dates of prior committee approvals:

School of Journalism & Broadcasting Curriculum Dec. 9, 2009

School of Journalism & Broadcasting Dec. 11, 2009

Potter College Curriculum Committee Feb.4, 2010

Undergraduate Curriculum Committee Feb. 25, 2020

University Senate _____

Attachment: Program Inventory Form

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

Contact Person: Zhonghang Xia zhonghang.xia@wku.edu 745-6459

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: CS 240
- 1.2 Course title: Computer Science I
- 1.3 Credit hours: 3

2. Revise course number:

- 2.1 Current course number: CS 240
- 2.2 Proposed course number: CS 180
- 2.3 Rationale for revision of course number: Computer Science I is the first course that is applicable to the CS major or minor, and it is usually taken in the freshman year. Therefore, it seems appropriate to re-number the course at the 100 level.

3. Revise type of course:

- 3.1 Current type of course: Lecture (L)
- 3.2 Proposed type of course: Lecture/Lab (C)
- 3.3 Rationale for revision of type of course: Labs are integrated into the proposed CS 180.

4. Revise course prerequisites/corequisites/special requirements:

- 4.1 Current prerequisites/corequisites/special requirements: (indicate which)
Prerequisite: CS 230 or equivalent with a grade of C or better or a satisfactory score on a CS placement exam. MA 116 or MA 118 with a grade of C or better (or being exempted from taking MA 116 based on criteria developed by the department of mathematics and computer science.
Corequisite: CS 244 for CS majors or minors.
- 4.2 Proposed prerequisites/corequisites/special requirements:
Prerequisite: CS 170 with a grade of C or higher, or a satisfactory score on a CS placement test, or eligibility for MATH 117 (based on criteria developed by the Department of Mathematics and Computer Science).
Corequisite: None.
- 4.3 Rationale for revision of course prerequisites/corequisites/special requirements: CS 170 now plays the role of CS 230 in preparing students for Computer Science I. The previous mathematics prerequisite required completion of a college algebra course; students who are eligible for MATH 117 (Trigonometry) should have sufficient algebra background to be successful in CS 180
- 4.4 Effect on completion of major/minor sequence: None

5. Revise course catalog listing:

- 5.1 Current course catalog listing: A study of the algorithmic approach in the analysis of problems and their computational solutions, using a high-level structure language. An elective laboratory component CS 244 is available.
- 5.2 Proposed course catalog listing: A study of the algorithmic approach to the analysis of problems and their computational solutions, using a high-level structured language. Labs are included in the course.
- 5.3 Rationale for revision of course catalog listing: Remove reference to separate lab.

6. Revise course credit hours:

- 6.1 Current course credit hours: 3
- 6.2 Proposed course hours: 4 credit hours and 5 contact hours.
- 6.3 Rationale for revision of course hours: Labs are integrated into the proposed CS 180, which contains 3 hours of lecture and 2 hours of labs.

7. Proposed term for implementation: Fall 2010

8. Dates of prior committee approvals:

Mathematics and Computer Science Department	<u>January 20, 2010</u>
OCSE Curriculum Committee	<u>February 4, 2010</u>
Undergraduate Curriculum Committee	<u>2/25/2010</u>
University Senate	_____

Attachment: Course Inventory Form

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

Contact Person: Zhonghang Xia zhonghang.xia@wku.edu 745-6459

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: CS 241
- 1.2 Course title: Computer Science II
- 1.3 Credit hours: 3

2. Revise course number:

- 2.1 Current course number: CS 241
- 2.2 Proposed course number: CS 181
- 2.3 Rationale for revision of course number: Computer Science II is the second course in the beginning sequence for CS majors and minors. Therefore, it seems appropriate to re-number the course at the 100 level.

3. Revise type of course:

- 3.1 Current type of course: Lecture (L)
- 3.2 Proposed type of course: Lecture/Lab (C)
- 3.3 Rationale for revision of type of course: CS 181 will include an embedded laboratory component, which CS 241 has not had.

4. Revise course prerequisites/corequisites/special requirements:

- 4.1 Current prerequisites/corequisites/special requirements: (indicate which)
Prerequisite: CS 240 AND MATH 117 OR MATH 118. CS 240 with a grade of C or better. Math 117 or Math 118 with a grade of C or better or Math 119 or permission to enroll in Math 126 based on criteria developed by the Department of Mathematics and Computer Science.
- 4.2 Proposed prerequisites/corequisites/special requirements:
Prerequisites: CS 180 with a grade of C or higher, and eligibility to enroll in a calculus course based on criteria developed by the Department of Mathematics and Computer Science.
- 4.3 Rationale for revision of course prerequisites/corequisites/special requirements:
CS 240 has been re-numbered CS 180. The new mathematics prerequisite actually reflects the same level of preparation as the current prerequisite.
- 4.4 Effect on completion of major/minor sequence: None

5. Revise course catalog listing:

- 5.1 Current course catalog listing: Continued study of algorithmic problem solving techniques using software engineering and a high-level programming language.

- Introduction to data structures and their applications.
- 5.2 Proposed course catalog listing: Continued study of algorithmic problemsolving techniques using software engineering and a high-level programming language. Introduction to data structures and their applications. Labs are included in the course.
- 5.3 Rationale for revision of course catalog listing: Integrating supervised lab experiences into the course will help students to develop the ability to design and program at a level appropriate to a first-year CS major.
- 6. Revise course credit hours:**
- 6.1 Current course credit hours: 3
- 6.2 Proposed course hours: 4 credit hours and 5 contact hours.
- 6.3 Rationale for revision of course credit hours: CS 181 will include an embedded laboratory component, which CS 241 has not had. The course will consist of 3 hours of lecture and 2 hours of lab.
- 7. Proposed term for implementation:** Fall 2010
- 8. Dates of prior committee approvals:**
- | | |
|---|-------------------------|
| Mathematics and Computer Science Department | <u>January 20, 2010</u> |
| OCSE Curriculum Committee | <u>February 4, 2010</u> |
| Undergraduate Curriculum Committee | <u>2/25/2010</u> |
| University Senate | _____ |

Attachment: Course Inventory Form

Proposal Date: January 4, 2010

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

Contact Person: Rong Yang, rong.yang@wku.edu, 745-2940

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: CS 157
- 1.2 Course title: Information Security I
- 1.3 Abbreviated course title: Information Security I
- 1.4 Credit hours and contact hours: 3
- 1.5 Type of course: L (Lecture)
- 1.6 Prerequisites/corequisites: None
- 1.7 Course catalog listing: An introduction to the concepts, issues, and essential skills of computer security. Topics include computer-based systems, Internet communications, networking, and security. Laboratory sessions will be held as needed. May not be counted toward a computer science major or minor.

2. Rationale:

- 2.1 Reason for developing the proposed course:
Western Kentucky University is developing a program in information assurance and security. The content of this course, together with CS 257, which is also being proposed, aims to satisfy the National Security Telecommunications and Information Systems Security Instruction (NSTISSI) 4011 standard. It is part of an effort to qualify WKU as a Center of Academic Excellence in Information Assurance Education.

Computer and information security issues have become more vital because of the growing use of electronic networks for both e-commerce and the management of infrastructure. There is a need for increased computer security education at the early undergraduate level. This course will be a first step toward preparing students by raising their level of security awareness and providing them with fundamental knowledge about computer and information security.
- 2.2 Projected enrollment in the proposed course: One session per semester; 50-60 students per year, based on projected demand for information security specialists in the national work force.
- 2.3 Relationship of the proposed course to courses now offered by the department: No comparable course is offered by the department.
- 2.4 Relationship of the proposed course to courses offered in other departments: Computer Information Technology offers system security courses at the 400-level with an emphasis on security in business environments. No course at the university is dedicated to introductory information security education as is the

proposed course across a broad spectrum.

- 2.5 Relationship of the proposed course to courses offered in other institutions:
Many other universities, such as New Jersey City University (SECU 222, Computer Security I) and Towson University (COSC 210), offer courses similar to this one.

3. Discussion of proposed courses

- 3.1 Course objectives: This course is designed to help students understand the conceptual and practical aspects of computer and information security. They should understand what viruses and malware are, how a computer can become infected, and how to protect their own computer from such infections.

- 3.2 Content outline:

Survey of computer-based information systems and overview of communications and networks with an emphasis on security-related issues.

- History and evolution.
- Computer information system categories
- Communications systems components.
- Communication security concerns.
- Types of networks.
- Network hardware, topologies and protocols.
- Network investigation tools.
- Computer security and the WWW.

Introduction to computer information security

- Digital crime.
- The nature and types of information.
- Common security threats.
- Security countermeasures.
- Legal and ethical issues.

- 3.3 Student expectations and requirements: Students are expected to attend class regularly, complete the required assignments and laboratory exercises, and to take the required examinations.

- 3.4 Tentative texts and course materials:

Computer Security Fundamentals
Chuck Easttom
Pearson Education, 2006
ISBN 0-13-171129-6

Using Information Technology: A Practical Introduction to Computers and Communications, 7th edition
Brian K. Williams, Stacey Sawyer
McGraw-Hill, 2007
ISBN-13 9780072260717

4. Resources:

- 4.1 Library resources: None
- 4.2 Computer resources: Existing computer lab.

5. Budget implications:

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

6. Proposed term for implementation: Fall 2010

7. Dates of prior committee approvals:

Mathematics and Computer Science Department: _____1/20/2010_____

OSCE Curriculum Committee _____2/4/2010_____

Undergraduate Curriculum Committee _____2/25/2010_____

University Senate _____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

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

Contact Person: Rong Yang, rong.yang@wku.edu, 745-2940

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: CS 257
- 1.2 Course title: Information Security II
- 1.3 Abbreviated course title: Information Security II
- 1.4 Credit hours and contact hours: 3
- 1.5 Type of course: L (Lecture)
- 1.6 Prerequisite: CS 157 with a grade of C or better
- 1.7 Course catalog listing: An overview of information security technologies, management practices and current standards. Topics include security models and technologies, threat analysis and security implementation, risk and incident response management and security policy. Lab sessions will be held as needed. May not be counted toward a computer science major or minor.

2. Rationale:

- 2.1 Reason for developing the proposed course:

Western Kentucky University is developing a program in information assurance and security. The content of this course, together with CS 157, which is also being proposed, aims to satisfy the National Security Telecommunications and Information Systems Security Instruction (NSTISSI) 4011 standard. It is part of an effort to qualify WKU as a Center of Academic Excellence in Information Assurance Education.

This course is the second course in information security. It is intended to enhance and strengthen the knowledge and practical skills in information security that students have acquired from CS 157. Students are introduced to more advanced security technologies and essential managerial aspects of information security and assurance designed to protect information assets from various security threats.
- 2.2 Projected enrollment in the proposed course: One section per semester; 50 - 60 students per year, based on projected demand for information security specialists in the national work force.
- 2.3 Relationship of the proposed course to courses now offered by the department: No comparable course is offered by the department
- 2.4 Relationship of the proposed course to courses offered in other departments: Computer Information Technology offers system security courses at the 400-level with an emphasis on security in business environments. No course at the

university is dedicated to introductory information security education as is the proposed course across a broad spectrum.

- 2.5 Relationship of the proposed course to courses offered in other institutions: Many other universities, such as Kennesaw State University (ISA 2100) and Augusta State University (CSIA 3100) offer courses similar to this one.

3. Discussion of proposed course:

- 3.1 Course objectives: This course is designed to enhance students' knowledge of the conceptual and practical aspects of computer and information security. Upon successfully completing this course, students should have knowledge of professional, technical, managerial, and ethical aspects of an information security and incident response plan.
- 3.2 Content outline:
- •Introduction to information security issues and the NSTISSC security model.
 - • Understanding security: threats and attacks
 - • Legal, ethical and professional issues in information security
 - • Security risks: identification, management and planning
 - • Security tools and technologies.
 - • Cryptography fundamentals.
 - • Implementation of information security plans
 - • Physical security models and practice
- 3.3 Student expectations and requirements: Students are expected to attend class regularly, complete the required assignments and laboratory exercises, and to take the required examinations.
- 3.4 Tentative texts and course materials:
- Michael E. Whitman, Herbert J. Mattord, Principles of Information Security Course Technology; 3rd edition, 2007 ISBN-10: 1423901770 /ISBN-13: 978-1423901778
 - Michael E. Whitman, Herbert J. Mattord, Hands-On Information Security Lab Manual Course Technology; 3rd edition, 2011 ISBN-10: 1435441567 | ISBN-13: 9781435441569

4. Resources:

- 4.1 Library resources: None
- 4.2 Computer resources: Existing computer labs

5. Budget implications:

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

6. Proposed term for implementation: Spring 2011

7. Dates of prior committee approvals:

Mathematics and Computer Science Department:	_____1/20/2010_____
OSCE Curriculum Committee	_____2/4/2010_____
Undergraduate Curriculum Committee	_____2/25/2010_____
University Senate	_____

Attachment: Bibliography, Library Resources Form, Course Inventory Form

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

Contact Person: Zhonghang Xia zhonghang.xia@wku.edu 745-6459

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: CS 170
- 1.2 Course title: Problem Solving and Programming
- 1.3 Abbreviated course title: Problem Solving & Programming
- 1.4 Credit hours and contact hours: 3
- 1.5 Type of course: Lecture/Lab (C)
- 1.6 Prerequisite: 2 years of high school algebra
- 1.7 Course catalog listing: The fundamentals of problem solving, program design, and program development techniques. A high-level programming language is used and lab experiences are included. The course may not be counted toward a computer science major or minor.

2. Rationale:

- 2.1 Reason for developing the proposed course: Some students who wish to enter the computer science program at WKU are not prepared to handle the abstraction or problem-solving techniques needed to thrive in the first course of a CS major. This course is intended to assist students to develop and practice the needed skills.
- 2.2 Projected enrollment in the proposed course: One section per semester; 50 to 60 students each year, based on current major enrollments.
- 2.3 Relationship of the proposed course to courses now offered by the department:
The computer science faculty currently uses CS 230 (Introduction to Programming) in a double role: as a preparatory course for Computer Science I and as a service course in Microsoft's VB.net environment. The creation of CS 170 is intended to move the preparation for Computer Science I into its own course focused on computer science skill basics. CS 170 will prepare students to succeed in subsequent computer science courses by developing their problem-solving and program design skills and their ability to deal with the abstraction required for more sophisticated programming.

The creation of CS 170 makes it possible for CS 230 to fulfill its role as a service course of interest to a wider community.
- 2.4 Relationship of the proposed course to courses offered in other departments: No other department at WKU offers a similar course.
- 2.5 Relationship of the proposed course to courses offered in other institutions: Many other schools, such as Louisiana State University (LA), Wartburg College (IA), and Towson University (MD), offer a similar course.

3. Discussion of proposed course:

- 3.1 Content Objectives: Students will learn about and practice the fundamentals of problem solving, program planning, design and structure, algorithm development and programming techniques.

Upon successful completion of this course, students should be well prepared to enter CS 240.

Content outline:

- Introduction to “problem solving” in CS
 - Using a problem definition to plan a program.
 - Ways to represent a program schematically
 - Validating and revising the program depending on its output.
 - Designing simple algorithms to assist in programs
 - Language syntax (assignment, expressions, control, etc.)
 - Planning data input and output for a program
 - Simple human interface design and planning
- 3.2 Student expectations and requirements: Students are expected to complete the required assignments and laboratory exercises and to take the required examinations.
- 3.3 Tentative texts and course materials:
Python Programming in Context (2008), Bradley N. Miller and David L. Ranum, ISBN-13: 978-0763746025
Or
Python Programming (2004), An Introduction to Computer Science
John Zelle, ISBN 1-887902-99-6

4. Resources:

- 4.1 Library resources: N/A
4.2 Computer resources: N/A

5. Budget implications:

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

6. Proposed term for implementation: Fall 2010

7. Dates of prior committee approvals:

Mathematics and Computer Science Department: January 20, 2010
Ogden College Curriculum Committee February 4, 2010
Undergraduate Curriculum Committee 2/25/2010

University Senate

Attachment: Bibliography, Library Resources Form, Course Inventory Form

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

Contact Person: Mikhail Khenner , mikhail.khenner@wku.edu, 745-2797
 Nezam Iraniparast , nezam.iraniparast@wku.edu, 745-6218

1. Identification of proposed course:

- 1.1 Course prefix (subject area) and number: MATH 337
- 1.2 Course title: Elements of Real Analysis
- 1.3 Abbreviated course title: Elements of Real Analysis
- 1.4 Credit hours and contact hours: 3.00
- 1.5 Type of course: L
- 1.6 Prerequisites: MATH 237, MATH 307, MATH 310 with the grade of C or higher
- 1.7 Course catalog listing: Basic concepts and techniques of real analysis, including proofs by induction and contradiction, the number system, functions of real variables, sets, series and sequences, cardinality, continuity, convergence, elementary topology.

2. Rationale:

- 2.1 Reason for developing the proposed course:
Solving complex mathematical problems often requires an in-depth understanding of concepts and techniques of real analysis. It is beneficial to introduce proof-based approaches early in the education of a mathematician. To help accomplish these goals, the proposed course will serve as a bridge course to facilitate the student's transition from studying calculus (MATH 136, 137, 237) to studying real analysis (MATH 431).
The proposed course will be required of all non-certifiable math majors (reference numbers 528 and 728) and will become the prerequisite for MATH 431/431G. Suggested new course sequences are MATH 337 – MATH 431, MATH 337 – MATH 450. Course sequences no longer recommended are MATH 431 – MATH 432, MATH 431 – MATH 450.
- 2.2 Projected enrollment in the proposed course: Approximately 60 students per year, based on the number of mathematics majors in the program.
- 2.3 Relationship of the proposed course to courses now offered by the department:
Real analysis is currently offered as MATH 431/431G: Intermediate Analysis I. The introduction to the elements of real analysis provided in the proposed course will facilitate instruction in MATH 431/431G and will allow students in MATH 431/431G to focus on more advanced topics.
- 2.4 Relationship of the proposed course to courses offered in other department: No other course of this nature exists at the university's other departments.
- 2.5 Relationship of the proposed course to courses offered in other institutions:
Transition courses from calculus to real analysis are not uncommon in other

Institutions. Middle Tennessee State University offers MATH 4250, Theory of Calculus with topics such as theoretical development of limits, continuity, differentiation, and integration in one dimension. Austin Peay State University offers MATH 1920, Introduction to Math Reasoning, with topics that include inductive and deductive reasoning, symbolic logic, truth tables, set theory, and functions, with emphasis on various techniques in proving mathematical theorems, as well as applications to geometry, number theory, algebra, analysis, and topology. The University of Denver offers MATH 3161, Intro to Real Analysis I, with topics such as a theoretical introduction to limits and continuity, sequences and series of numbers and functions, a theoretical introduction to the foundations of calculus. Wabash College offers MAT 333, Introduction to Functions of a Real Variable I, with topics that include set theory, the real numbers, the topology of Cartesian spaces, convergence, continuous functions, and sequences of continuous functions.

3. Discussion of proposed course:

- 3.1 Course objectives: Students who successfully complete this course are expected to have:
 - developed understanding of mathematical proofs
 - significantly increased their problem-solving skills
 - deepened their interest in mathematics
 - improved their written and oral communication skills
- 3.2 Content outline:
 - Proofs by induction and contradiction
 - Notion of *epsilon* and *delta*
 - Notion of limsup/liminf
 - Finite/infinite sets, countable sets, open/closed sets
 - Union/intersection of sets
 - Cardinality, supremum/infimum
 - Series and sequences
 - Continuity
 - Absolute/uniform convergence
 - Elementary topology in Cartesian spaces
- 3.3 Student expectations and requirements: Students are expected to attend class, to solve assigned homework problems, and to complete unit exams and a final exam.
- 3.4 Tentative texts and course materials:

Analysis: With an Introduction to Proof, Steven R. Lay, 2004, Prentice-Hall, 4th Ed., ISBN-13: 978-0131481015, ISBN-10: 0131481010;

Elementary Analysis: The theory of Calculus, Kenneth A. Ross, 2003, Springer, ISBN-13: 978-0387904597, ISBN-10: 038790459X;

Real Analysis and Foundations, Steven G. Krantz, 2004, Chapman & Hall, 2nd Ed., ISBN-13: 978-1584884835, ISBN-10: 1584884835;

Introduction to Real Analysis, Robert G. Bartle and Donald R. Sherbert, 1999, Wiley, 3rd Ed., ISBN-13: 978-0471321484, ISBN-10: 0471321486.

4. Resources:

Proposal Date: 01/13/2010

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

Contact Person: Mikhail Khenner, mikhail.khenner@wku.edu, 745-2797
Nezam Iraniparast, nezam.iraniparast@wku.edu, 745-6281

1. Identification of course:

- 1.1 Current course prefix (subject area) and number: MATH 431
- 1.2 Course title: Intermediate Analysis I
- 1.3 Credit hours: 3.00

2. Revise course prerequisites/corequisites/special requirements:

- 2.1 Current prerequisite: MATH 317, Introduction to Algebraic Systems.
- 2.2 Proposed prerequisite: MATH 337, Elements of Real Analysis with grade of C or better.
- 2.3 Rationale for revision of course prerequisite: The newly created MATH 337 will serve as a bridge course to facilitate the transition from calculus to analysis. Thus MATH 337 will offer better preparation for MATH 431.
- 2.4 Effect on completion of major/minor sequence: None

3. Revise course catalog listing:

- 3.1 Current course catalog listing: Topics chosen from cardinality, limits, continuity, elementary topological concepts, sequences and series, differentiation and integration, elementary functional analysis.
- 3.2 Proposed course catalog listing: Topics in analysis chosen from inverse and implicit function theorems, differentiation, integration, infinite series, series of functions, and introductory functional analysis
- 3.3 Rationale for revision of course catalog listing: Some elementary topics are being moved from MATH 431 to MATH 337, allowing other topics to be studied in greater depth.

4. Proposed term for implementation: Fall 2010

5. Dates of prior committee approvals:

Mathematics and Computer Science Department January 22, 2010

Ogden College Curriculum Committee February 4, 2010

Professional Education Council 2-17-10

Undergraduate Curriculum Committee

__2/25/2010__

University Senate

Attachment: Course Inventory Form

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

Contact Person: Uta Ziegler, uta.ziegler@wku.edu, 745-2911

1. Identification of program:

- 1.1 Current program reference number: 341
- 1.2 Current program title: Minor in Computer Science
- 1.3 Credit hours: 19

2. Identification of the proposed program changes:

- Change in course numbers: CS 240 → CS 180, CS 241 → CS 181, Math 126 → Math 136.
- Removal of the required CS 244 lab.
- Changes to the required CS electives to make sure the overall hours required for the degree do not increase.
- Clarifying restrictions on electives.

3. Detailed program description:

Current requirements for a Minor in Computer Science	Proposed requirements for a Minor in Computer Science
General: 1) 19 hours of Computer Science are required 2) Math 119, 122, or 126 is required 3) All CS courses counting towards the CS program minor must be completed with a C or better.	General: 1) 18 hours of Computer Science are required 2) Math 119, 122, or 136 is required 3) All CS courses counting towards the CS program minor must be completed with a C or better.
Required CS courses: Completion of these 4 CS courses (10 credit hours) : CS 240, 241, 244 , and 338	Required CS courses: Completion of these 3 CS courses (11 credit hours) : CS 180, 181 , and 338
Completion of at least 9 hours of additional CS classes at the 200-level or above. At least three of these nine hours must be at the 400-level (exclusive of CS 405). At least six of these nine hours must be at the 300-level or above.	Completion of an additional 7 hours of CS electives at the 200-level or above (excluding CS 226, CS 230, CS 257), including 6 hours at the 300 level or higher. NOTE: Credit for CS 245 is only counted for languages for which credit is not received through another course.

4. Rationale for the proposed program change:

- The changes in course numbers reflect previously approved curriculum changes in the Mathematics and Computer Science Department.
- CS 244 is no longer required, since it was combined with the old CS 240 course to become CS 180 with an embedded lab.
- The CS 181 (formerly CS 241) now contains an embedded lab and thus is a 4-credit-hour course. The overall required number of hours for the minor was reduced to 18, half of which are at the 300-level or above.
- Restrictions on courses to be counted for the major are made explicit, since the courses are no longer listed near the degree requirements in the new format of the undergraduate catalog.

5. Proposed term for implementation and special provisions (if applicable): Fall 2010

6. Dates of prior committee approvals:

Department of Mathematics and Computer Science	<u>1-20-10</u>
Ogden College Curriculum Committee	<u>2-4-10</u>
Undergraduate Curriculum Committee	<u>2/25/2010</u>
University Senate	<u></u>

Attachment: Program Inventory Form

Proposal Date: 1/14/2010

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

Contact Person: Uta Ziegler, uta.ziegler@wku.edu, 745-2911

1. Identification of program:

- 1.1 Current program reference number: 629
- 1.2 Current program title: Bachelor of Science in Computer Science
- 1.3 Credit hours: Minimum of 41 hrs in Computer Science

2. Identification of the proposed program changes:

- Change in course numbers: CS 240 → CS 180, CS 241 → CS 181, Math 126 → Math 136.
- Removal of the required CS 244 lab.
- Changes to the required CS electives to make sure the overall hours required for the degree do not increase.
- Clarifying restrictions on electives and rewording requirements.

3. Detailed program description:

Current requirements for the B.S. in Computer Science - Any Minor Option	Proposed requirements for the B.S. in Computer Science - Any Minor Option
General: 1) 41 hours of Computer Science are required. 2) ENG 307 and Math 126 are required 3) All CS courses counting towards the CS program major must be completed with a C or better.	General: 1) 41.5 hours of Computer Science are required. 2) ENG 307 and Math 136 are required 3) All CS courses counting towards the CS program major must be completed with a C or better.
CS core requirements: Completion of these 11 CS core courses (30.5 credit hours) : CS 240, 241, 225, 244, 250, 338, 325, 360, 425, 442, and 444	CS core requirements: Completion of these 10 CS core courses (31.5 credit hours) : CS 180, 181, 225, 250, 325, 338, 360, 425, 442, and 444
Completion of an additional 10.5 hours of CS electives at the 200 level or above, including 3 hours at the 400 level and another 3 hours at the 300 level or higher.	Completion of an additional 10 hours of CS electives at the 200 level or above (excluding CS 226, CS 230, CS 257) including 3 hours at the 400 level and another 3 hours at the 300 level or higher. NOTE: At most 1.5 hours of credit for CS 239 may count towards the major. At most 3 hours of credit for CS 239 and CS 245 (only for languages for which credit is not received through another course) may count towards the major.

Completion of any additional minor/major.	Completion of any additional minor/major.
Current requirements for the B.S. in Computer Science - System/Scientific Option	Proposed requirements for the B.S. in Computer Science - System/Scientific Option
General: 1) 42.5 hours of Computer Science are required. 2) ENG 307 is required 3) All CS courses counting towards the CS program major must be completed with a C or better.	General: 1) 41.5 hours of Computer Science are required. 2) ENG 307 is required 3) All CS courses counting towards the CS program major must be completed with a C or better.
CS core requirements: Completion of these 11 CS core courses (30.5 credit hours) : CS 240, 241, 225, 244, 250, 338, 325, 360, 425, 442, and 444	CS core requirements: Completion of these 10 CS core courses (31.5 credit hours) : CS 180, 181, 225, 250, 325, 338, 360, 425, 442, and 444
Completion of any other four 400-level CS courses other than CS 405, CS 406	Completion of 10 hrs of CS electives at the 200-level or above (excluding CS 226, CS 230, CS 257; credit for CS 245 is only given for languages for which credit is not received through another course), including three 400-level CS courses.
An 18 credit hour minor in mathematics (reference number 417) including MATH 126, 227, 307, 310 and STAT 301	An 18-credit-hour minor in mathematics (reference number 417) including MATH 136, 137, 307, 310 and STAT 301
One year of a laboratory science (designed for Science/Engineering majors)	One year of a laboratory science (designed for Science/Engineering majors)
Two additional one-semester science courses (designed for Science/Engineering majors).	Two additional one-semester science courses (designed for Science/Engineering majors).

Current requirements for the B.S. in Computer Science - Specialty Option	Proposed requirements for the B.S. in Computer Science - Specialty Option
General: 1) 47 hours of Computer Science are required. 2) ENG 307 and Math 126 are required 3) All CS courses counting towards the CS program major must be completed with a C or better.	General: 1) 47.5 hours of Computer Science are required. 2) ENG 307 and Math 136 are required 3) All CS courses counting towards the CS program major must be completed with a C or better.
CS core requirements: Completion of these 13 CS core courses (30.5 credit hours) : CS 240, 241, 225, 244, 250, 338, 325, 360, 425, 442, 443, 444, and 450	CS core requirements: Completion of these 12 CS core courses (31.5 credit hours) : CS 180, 181, 225, 250, 325, 338, 360, 425, 442, 443, 444, and 450
Completion of an additional 10.5 hours of CS electives at the 200 level or above, including 3 hours at the 400 level and another 3 hours at the 300 level or higher.	Completion of an additional 10 hours of CS electives at the 200 level or above (excluding CS 226, CS 230, CS 257) including 3 hours at the 400 level and another 3 hours at the 300 level or higher.

	NOTE: At most 1.5 hours of credit for CS 239 may count towards the major. At most 3 hours of credit for CS 239 and CS 245 (only for languages for which credit is not received through another course) may count towards the major.
An additional 18 hours of specialty courses, developed in consultation with a CS advisor, not used elsewhere on the degree form, 9 hours of which are at the 300 level or above.	An additional 18 hours of specialty courses, developed in consultation with a CS advisor, not used to satisfy specific other graduation requirements for the CS major or for general education, including 9 hours at the 300 level or above.

4. Rationale for the proposed program change:

- The changes in course numbers reflect previously approved curriculum changes in the Mathematics and Computer Science Department.
- CS 244 is no longer required, since it was combined with the old CS 240 course to become CS 180 with an embedded lab.
- The CS 181 (formerly CS 241) now contains an embedded lab and thus is a 4-credit-hour course, and Math 136 contains 0.5 fewer credit hours less than Math 126. The overall required number of hours for the major did not increase, due to adjusting the required CS elective credit hours.
- Restrictions on courses to be counted for the major are made explicit, since the courses are no longer listed near the degree requirements in the new format of the undergraduate catalog.
- We reworded the requirement about the specialty area to avoid referring to the degree program, since degree programs are no longer required.

5. Proposed term for implementation and special provisions (if applicable): Fall 2010

6. Dates of prior committee approvals:

Department of Mathematics and Computer Science	<u>1-20-10</u>
Ogden College Curriculum Committee	<u>2-4-10</u>
Undergraduate Curriculum Committee	<u>2/25/2010</u>
University Senate	<u> </u>

Attachment: Program Inventory Form

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

Contact Persons: Mark Robinson mark.robinson@wku.edu 745-6223
Mikhail Khenner mikhail.khenner@wku.edu 745-2797

1. Identification of program:

- 1.1 Current program reference number: 728 and 528
- 1.2 Current program title: Major in Mathematics
- 1.3 Credit hours: 35 hours (728); 48 hours (528)

2. Identification of the proposed program changes:

- Add admission requirements to the catalog description.
- Remove the certifiable option from the extended Major in Mathematics (reference number 528).
- Remove MATH 122, 132, 232 as options for the calculus sequence.
- Modify course numbers, titles and credit hours to reflect previously approved changes: MATH 126 Calculus and Analytic Geometry I (4.5 hours) to MATH 136 Calculus I (4 hours); MATH 227 Calculus and Analytic Geometry II (4.5 hours) to MATH 137 Calculus II (4 hours); MATH 327 Multivariable Calculus (4 hours) to MATH 237 Multivariable Calculus (4 hours); MATH 329 Probability and Statistics I (3 hours) to MATH 382 Probability and Statistics I (3 hours); and MATH 429 Probability and Statistics II (3 hours) to MATH 482 Probability and Statistics II (3 hours).
- Add MATH 337 to the list of required courses for the non-certifiable major 528 and the non-certifiable concentration in program 728.
- Replace the sequences MATH 431-432 and MATH 431-450 with the sequences MATH 337- 431 and MATH 337-450.
- Delete MATH 275, 305, 315, 329, 331, 398, and 475 from the list of elective courses in the general certifiable option (reference number 728).
- Change the minimum number of credit hours in the general major (728) from 35 to 34.

3. Detailed program description:

Major in Mathematics A major in mathematics provides a Bachelor of Arts degree and requires either a minimum of 35 semester hours for a general major with a minor or second major (reference number 728) or a minimum of 48 semester hours for an	Major in Mathematics A major in mathematics provides a Bachelor of Arts degree and requires either a minimum of 34 semester hours for a general major with a minor or second major (reference number 728) or a minimum of 48 semester hours for an
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<p>extended major (reference number 528). Both types of majors offer two options: (1) Major for Employment in Industry and/or Graduate Studies in Mathematics; (2) Major Certifiable for Teaching Secondary Level Mathematics. Option 1 students are required to complete both CS 240 and CS 241. Option 2 students are required to complete either CS 230 or CS 240.</p> <p>Option 1: Major for Employment in Industry and/or Graduate Studies in Mathematics</p> <p>(A) General Major (728): The student must complete a minimum of 35 hours of mathematics with a minor or second major giving a total of at least 54 hours (48 unduplicated) with the following requirements:</p> <ol style="list-style-type: none"> 1. MATH 126-227 (or 122-132-232), 307, 310, 317, 327, 498. 2. At least one of the sequences: MATH 317-417; 329- 429; 331-435; 431-432; 431-450; 405-406. 3. At least 6 hours of 400-level mathematics other than MATH 475. <p>Copyright & Other acceptable courses for the general major are MATH 275 (up to 3 hours), 305, 315, 323, 329, 331, 398 (up to 3 hours), 405, 406, 415,</p>	<p>extended major (reference number 528).</p> <p>Students who wish to declare a 728 or 528 mathematics major will initially be designated as “seeking admission” until the following requirements have been satisfied:</p> <ul style="list-style-type: none"> ○ Complete MATH 136, MATH 137, and MATH 307 or MATH 310, with a grade of C or better in each course. ○ Have an overall GPA of at least 2.4 in mathematics program courses (MATH 136 and above) completed prior to admission. <p>The general major (728) offers two options: (1) Major for Employment in Industry and/or Graduate Studies in Mathematics; (2) Major Certifiable for Teaching Secondary Level Mathematics. The extended major (528) offers only the first option. Option 1 students are required to complete both CS 240 and CS 241. Option 2 students are required to complete either CS 230 or CS 240.</p> <p><u>Option 1:</u> Major for Employment in Industry and/or Graduate Studies in Mathematics</p> <p>(A) General Major (728): The student must complete a minimum of 34 hours of mathematics with a minor or second major giving a total of at least 54 hours (48 unduplicated) with the following requirements:</p> <ol style="list-style-type: none"> 1. MATH 136, 137, 237, 307, 310, 317, 337, 498. 2. At least one of the sequences: MATH 317-417; 331-435; 337-431; 337-450; 382-482; 405-406. 3. At least 6 hours of 400-level mathematics other than MATH 475. <p>Other acceptable courses for the general major are MATH 275 (up to 3 hours), 305, 315, 323, 331, 382, 398 (up to 3 hours), 405, 406, 415,</p>
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<p>417, 423, 429, 431, 432, 435, 439, 450, 470, 475 (up to 6 hours), and STAT 301.</p> <p>(B) Extended Major (528): The student must complete a minimum of 48 hours of mathematics with the following requirements:</p> <ol style="list-style-type: none"> 1. MATH 126-227 (or 122-132-232), 307, 310, 317, 327, 498. 2. At least one of the sequences: MATH 317-417; 329-429; 331-435; 431-432; 431-450; 405-406. 3. At least 12 hours of 400-level mathematics. <p>Other acceptable courses for the extended major are MATH 275 (up to 3 hours), 305, 315, 323, 329, 331, 398 (up to 3 hours), 405, 406, 409, 415, 417, 423, 429, 431, 432, 435, 439, 450, 470, 475 (up to 6 hours), and STAT 301.</p> <p>Option 2: Major Certifiable for Teaching Secondary Level Mathematics</p> <p>(A) General Certifiable Major (reference number 728): The student must complete a minimum of 35 hours of mathematics with a minor or second major giving a total of at least 54 hours (48 unduplicated) with the following requirements:</p> <ol style="list-style-type: none"> 1. MATH 126-227 (or 122-132-232), 304, 307, 310, 317, 323, 327, 498; STAT 301. The student must complete these courses before the “professional semester.” 2. At least 3 hours of 400-level mathematics other than MATH 475. <p>Other acceptable courses for the general certifiable major are MATH 275 (up to 3 hours), 305, 315, 329, 331, 398 (up to 3 hours), 405, 406, 409, 415, 417, 421, 423, 429, 431, 432, 435, 439, 450, 470, 475 (up to 6 hours).</p> <p>Students in this option must have a second</p>	<p>417, 423, 431, 432, 435, 439, 450, 470, 475 (up to 6 hours), 482, and STAT 301.</p> <p>(B) Extended Major (528): The student must complete a minimum of 48 hours of mathematics with the following requirements:</p> <ol style="list-style-type: none"> 1. MATH 136, 137, 237, 307, 310, 317, 337, 498. 2. At least one of the sequences: MATH 317-417; 331-435; 337-431; 337-450; 382-482; 405-406. 3. At least 12 hours of 400-level mathematics. <p>Other acceptable courses for the extended major are MATH 275 (up to 3 hours), 305, 315, 323, 331, 382, 398 (up to 3 hours), 405, 406, 409, 415, 417, 423, 431, 432, 435, 439, 450, 470, 475 (up to 6 hours), 482, and STAT 301.</p> <p><u>Option 2:</u> Major Certifiable for Teaching Secondary Level Mathematics (reference number 728): The student must complete a minimum of 34 hours of mathematics with a second major in Science and Mathematics Education (SMED). The following courses are requirements:</p> <ol style="list-style-type: none"> 1. MATH 136, 137, 237, 304, 307, 310, 317, 323, 498; STAT 301. Before the professional semester, the student must complete each of these courses with a grade of “C” or better <u>and</u> achieve a GPA of at least 2.5 in required mathematics courses. 2. At least 3 hours of 400-level mathematics from the following list: MATH 405, 406, 409, 415, 417, 421, 423, 431, 432, 435, 439, 450, 470, 482.
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<p>major in science and mathematics education (SMED). In addition, students must attain a grade of “C” or better in each required mathematics course and a 2.5 GPA for all required mathematics courses.</p> <p>(B) Extended Certifiable Major (reference number 528): The student must complete a minimum of 48 hours of mathematics with the following requirements:</p> <p>1. MATH 126-227 (or 122-132-232), 307, 310, 317, 323, 327, 498; STAT 301. The student must complete these courses before the “professional semester.”</p> <p>2. At least 9 hours of 400-level mathematics.</p> <p>Other acceptable courses for the extended certifiable major are MATH 275 (up to 3 hours), 305, 315, 329, 331, 398 (up to 3 hours), 405, 406, 409, 415, 417, 421, 423, 429, 431, 432, 435, 439, 450, 470, 475 (up to 6 hours).</p>	
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4. Rationale for the proposed program change:

- The program description should reflect recently approved admission requirements.
- With the implementation of the Major in Science and Mathematics Education, mathematics majors who wish to be certified to teach secondary school are required to major both in mathematics and in science and mathematics education. This double major requires 34 hours of mathematics and 33 hours of science and mathematics education courses, in addition to general education courses and a computer science course. Few such students will choose an extended mathematics major in addition to the required second major. Those students who wish to take additional mathematics hours may do so without having the 528 designation.
- The MATH 122, 132, 232 option for the calculus sequence has been removed because 132 and 232 are being deleted from the WKU Course Inventory.
- The revisions in course numbers, titles and credit hours reflect previously approved curriculum changes.
- MATH 337 is a new “bridge” course designed to help students make a successful transition from calculus to analysis. This transition is important for the students’ future effectiveness in upper-level mathematics. Therefore the course will be required of all non-certifiable majors.
- The addition of MATH 337 to the list of required courses allows that course to be

used as the first course in two of the six two-course sequences from which the student must select at least one in completing the requirements for the non-certifiable major (728 or 528)

- MATH 304 Functions, Applications, and Explorations has been added as a required course for students seeking secondary certification in mathematics. This leaves students with just 3 additional credit-hours at the 400-level to complete the major; the acceptable courses are listed to avoid confusion.
- The reduction in the number of credit hours in the new calculus sequence has caused a one-hour reduction in the number of hours required for the general major (728) from 35 to 34.

5. Proposed term for implementation: Fall 2010

6. Dates of prior committee approvals:

Mathematics and Computer Science Department	<u>January 22, 2010</u>
OCSE Curriculum Committee	<u>February 12, 2010</u>
Professional Education Council	February 17, 2010
Undergraduate Curriculum Committee	<u>2/25/2010</u>
University Senate	<u></u>

Attachment: Program Inventory Form

**Ogden College of Science and Engineering
Department of Mathematics and Computer Science
Proposal to Create a New Minor Program
(Action Item)**

Contact Persons:	Melanie Autin	melanie.autin@wku.edu	745-6171
	Jonathan Quiton	jonathan.uiton@wku.edu	745-2441

1. Identification of program:

- 1.1 Program title: Minor in Applied Statistics
- 1.2 Required hours in minor program: A minimum of 19 hours
- 1.3 Special information: This program will be administered through the Mathematics Division of the Department of Mathematics and Computer Science and is intended for students who are interested in industry-based career opportunities in statistics and related fields.
- 1.4 Catalog description: A minor in applied statistics requires a minimum of 19 semester hours. This program is designed for a student seeking a career as a statistical programmer/analyst/consultant in a knowledge-based industry or in a research institution.

The student who elects a minor in applied statistics must complete a minimum of 13 credit hours, as follows:

MATH 136 or 142 (4-5 hours)
STAT 301, 330, and 401 (9 hours)

In addition, this student is required to take relevant elective courses to total at least 6 credit hours from the following:

Any 300-level or 400-level STAT course other than 301, 330, and 401
MATH 382, 482, or 470
At most 3 credit hours of 300-400 level statistical coursework relevant to the student's area of study (with prior approval from the Statistics Education Committee of the Department of Mathematics and Computer Science)

2. Rationale:

- 2.1 Reason for developing the proposed minor program:
The mandate for a minor program in applied statistics comes from an immediate need for students from many disciplines to be able to design, implement, and analyze data from experiments or surveys. A partial list of the numerous areas of application includes business, economics, finance, law, medicine, biology, meteorology, chemistry, physics, engineering, sports, education, sociology, psychology, and history. With the vast amounts of data that are collected and produced on a daily basis, the demand for people skilled in data analysis is increasing. This program will expose students to many important topics and data

- analysis techniques and provide them with useful and marketable skills.
- 2.2 Projected enrollment in the proposed minor program: This minor program anticipates enrolling at least 5 students in the initial year and is expected to grow.
 - 2.3 Relationship of the proposed minor program to other programs now offered by the department: This program is unique from other minor programs in the Department of Mathematics and Computer Science
 - 2.4 Relationship of the proposed minor program to other university programs: This program is unique from other programs at the university.
 - 2.5 Similar minor programs offered elsewhere in Kentucky and in other states (including programs at benchmark institutions):
 Minor programs in Kentucky:
 - University of Kentucky: Minor in statistics (17 hours)
 - Eastern Kentucky University: Minor in mathematics with concentration in statistics (26-28 hours)
 Minor programs at benchmark institutions:
 - California State University – Chico: Minor in Statistics (23 hours)
 - Eastern Michigan University: Minor in Mathematics with concentration in Statistics (26-28 hours)
 - Florida Atlantic University: Minor in Statistics (30 hours)
 - Middle Tennessee State University: Minor in Statistics (18 hours)
 - Northern Arizona University: Minor in Statistics (18 hours)
 - Oakland University: Minor in Applied Statistics (20 hours)
 - Stephen F. Austin State University: Minor in Applied Statistics (18-19 hours)
 - University of Northern Iowa: Minor in Statistics and Actuarial Science (23 hours)
 - Western Illinois University: Minor in Statistics (18 hours)
 - Youngstown State University: Minor in Statistics (18-22 hours)
 - 2.6 Relationship of the proposed minor program to the university mission and objectives: The proposed minor program is consistent with the objectives of the university. The program prepares students to be productive, engaged leaders in a global society and will attract talented students both regionally and nationally.

3. **Objectives of the proposed minor:**

Upon completion of the minor, students should be able to:

- design and implement commonly used experimental design and sampling schemes;
- recommend a statistical computing platform by which data are stored and analyzed;
- statistically analyze data from a wide variety of disciplines;
- interpret computer-generated outputs and generate reports understandable to target clients.

4. Curriculum:

Core Courses (a minimum of 13 hours)

- MATH 136 or 142 (4-5 credit hours)
- STAT 301, 330, and 401 (9 credit hours)

Elective Courses (6 hours)

- Any 300-level or 400-level STAT course other than 301, 330, and 401
- MATH 382, 482, or 470
- At most 3 credit hours of 300-400 level statistical coursework relevant to the student's area of study (with prior approval from the Statistics Education Committee of the Department of Mathematics and Computer Science)

- 4. Budget implications:** The proposed minor program in applied statistics will increase enrollment in some of the required courses in the program. The Department of Mathematics and Computer Science has hired two tenure-track assistant professors in statistics, is currently in the search process to hire another, and hopes to hire more in the future for the purpose of establishing a minor/major in statistics.

6. Proposed term for implementation: Fall 2010

7. Dates of prior committee approvals:

Department of Mathematics and Computer Science 11-20-09

OCSE Curriculum Committee 2-4-10

Undergraduate Curriculum Committee 2/25/2010

University Senate _____

Attachment: Program Inventory Form