



MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY

Formerly University of Missouri-Rolla

Agenda

Campus Curricula Committee Meeting

March 2, 2010 Meeting

3:15 p.m. Room 117 Fulton Hall

Approval of February 2, 2010 minutes.

Review of submitted CC forms:

CC 7923, Computer Engineering 342, Real-Time Digital Signal Processing, effective Fall 2010.

CC 7926, Mining Engineering 407, Theory of High Explosives, effective Fall 2010.

CC 7927, Mining Engineering 351, Demolition of Building and Structures, effective 2010.

CC 7928, Mining Engineering 307, Principles of Explosives Engineering, effective Fall 2010.

CC 7929, Mining Engineering 305, Explosives Handling & Safety, effective Fall 2010.

CC 7930, Mining Engineering 110, Surveying for Mineral Engineers, effective Fall 2010.

CC 7931, Mining Engineering 350, Blasting Design and Technology, effective Fall 2010.

CC 7932, Mining Engineering 406, Scientific Instrumentation for Explosives Testing and Blasting, effective Fall 2010.

CC 7933, Mining Engineering 402, Environmental Control of Blasting, effective Fall 2010.

CC 7934, Mining Engineering 310, Stage pyrotechnics and Special Effects, effective Fall 2010.

CC 7937, English 379, Southern Culture, effective Fall 2010.

CC 7939, Technical Communication 409, Web-Based Communication, effective Spring 2011.

CC 7967, ERP 345, Use of Business Intelligence, effective Fall 2010.



MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY

Formerly University of Missouri-Rolla

CC 7968, ERP 448, Enterprise Performance Management System Prototyping, effective Fall 2010.

Review of submitted EC forms:

EC 2231, Electrical Engineering 301, Introduction to Radar Systems, effective Fall 2010.

EC 2233, Mining Engineering 401, Ventilation and Mine Fire Simulation, effective Fall 2010.

EC 2235, Civil Engineering 301, Advanced Traffic Signal Operations, effective Fall 2010.

EC 2236, Technical Communication 201, Technical Presentations, effective Fall 2010.

EC 2237, Technical Communication 301, Usability Studies, effective Fall 2010.

EC 2239, ERP 301, Enterprise Portal Application Development, effective Spring 2011.

12/18/2009 16:04 From: 573 341 4362 Page: 1/13 Date: 12/24/2009 1:06:27 PM
573-341-4532 MISSOURI 381

CMSC 02/02

CC File # 7923-2009-CpE-342-32

Effective Year: 2010
Term: Summer ☐ Fall ☐ Spring ☒

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes-)

New Course ☐ Course Deletion ☐ Credit Hours ☐ Prerequisites ☒
Course Title ☐ Catalog Description ☐ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department:

2. Discipline and Course Number: Present: CpE 342

Proposed:

3. Course Title: Present: Real-Time Digital Signal Processing
Proposed:

Abbreviated Course Title:

(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (300 Character Spaces or Less.)

Present: Introduction to the use of programmable DSP chips. Includes real-time data acquisition, signal generation, interrupt-driven programs, high-level language, and assembly level routines. Applications to real-time systems are also presented.

Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture: 2 Lab: 1 Total: 3
Proposed: Lecture: Lab: Total:

7. Prerequisites:

Present: CpE 213 & EE 267

Proposed: EE 215 or EE 267

8. Required for Majors: ☐ Elective for Majors: ☒

9. Justification: The course EE 267 is replaced by EE 215 in the EE and CpE curricula. The reason for dropping CpE 213 is that no assembly language is needed in CpE 342 now.

10. Semesters previously offered as an experimental course (101, 201, 301, 401):

11. List all co-listed courses, Initialed by Dept. Chair, if signature does not appear below.

1) 2) 3)
4) 5) 6)

Recommended by Department

Kelvin E. Eichen

Date: 18 Dec 09

Recommended by Discipline Specific Curricula Committee

(Chair signature)

Henry A. Bayless

Date: 1-12-10

Approved by Curricula Committee:

(Chair signature)

Date:

Approved by Faculty Senate:

(Chair signature)

Date:

(Revised 1/29/09)

Effective Year: 2010

Effective Term: Summer ☐ Fall ☒ Spring ☐

CC File # 7926-2009-Mi Eng-407-32

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☐ Course Deletion ☐ Credit Hours ☐ Prerequisites ☒
 Course Title ☐ Catalog Description ☒ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Mining and Nuclear Engineering
 2. Discipline and Course Number: Present : Mi Eng407 Proposed: Mi Eng 407
 3. Course Title: Present: Theory of High Explosives
 Proposed:

Abbreviated Course Title:

(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (40 Words or Less)

Present: Study of the application of chemical thermodynamics and the hydrodynamic theory to determine the properties of high explosives; application of detonation theory to steady-state detonations in real explosives; application of the above to the blasting action of explosives.

Proposed: *New*

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture: 3 Lab: Total: 3
 Proposed: Lecture: 3 Lab: Total: 3

7. Prerequisites:

Present: Mi Eng 307

Proposed: Mi Eng 307. Successful background check.

8. Required for Majors: Elective for Majors: ☒

9. Justification: To verify compliance of students with safe explosives act of 2003. Increase protection of university by bringing in line with non ATF exempt institutions (S&T is exempt under political subdivision exemption to federal law)

10. Semesters previously offered as an experimental course (101, 201, 301, 401):

11. List all co-listed courses, initiated by Dept. Chair, if signature does not appear below.

1) 2) 3)
 4) 5) 6)
 Recommended by Department *[Signature]* Date: 12/20/09
 (Chair signature)
 Recommended by Discipline Specific Curricula Committee *[Signature]* Date: 1-18-10
 (Chair signature)
 Approved by Curricula Committee: _____ Date: _____
 (Chair signature)
 Approved by Faculty Senate: _____ Date: _____
 (Chair signature)

Effective Term: SP2011

CC File # 7927-2009-Mi Eng-351-32

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☐ Course Deletion ☐ Credit Hours ☐ Prerequisites ☒
 Course Title ☐ Catalog Description ☐ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" Items blank if no change is being made.)

1. School/College:

Department: Mining & Nuclear Engineering

2. Discipline and Course Number: Present : 351

Proposed:

3. Course Title: Present: Demolition of Building and Structures

Proposed:

Abbreviated Course Title:

(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (40 Words or Less)

Present:

Proposed:

5. Credit Hours: Present: Lecture: 2.0 Lab: 1.0 Total: 3.0
 Proposed: Lecture: Lab: Total:

6. Prerequisites:

Present: Coreq: IDE 50 or 140, and IDE 110 or Min Eng 232, plus US citizen or permanent resident. *Requirement due to Safe Explosives Act - January 2003

Proposed: Coreq: IDE 50 or 140, and IDE 110 or Min Eng 232, plus US citizen or permanent resident. Successful background check.

7. Required for Majors: Elective for Majors: ☒

8. Justification: To verify compliance of student with safe explosives act of 2003. Increase protection of university by bringing in line with non ATF exempt institutions (S&T is exempt under political subdivision exemption to federal law)

9. Semesters previously offered as an experimental course (101, 201, 301, 401):

10. List all co-listed courses, initialed by Dept. Chair(s) and Dean(s) if signatures do not appear below.

1) 4)

2) 5)

3)

Recommended by Department


(Chair signature)

Date: 12/20/09

Recommended by School/College:


(Dean signature)

Date: 1-18-10

Recommended by UMR Curricula Committee:

(Chair signature)

Date: (Action)

Recommended by Academic Council:

(Chair signature)

Date: (Action)

(Revised 2/14/02)

Effective Term: FS2010

CC File # 7928-2009-Mibg-307-32

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☐ Course Deletion ☐ Credit Hours ☐ Prerequisites ☒
 Course Title ☐ Catalog Description ☐ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. School/College: SoMEER Department: Mining Engineering
 2. Discipline and Course Number: Present : 307 Proposed:
 3. Course Title: Present: Principles of Explosives Engineering
 Proposed: same

Abbreviated Course Title:

(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (40 Words or Less)

Present: Theory and application of explosives in the mining industry; explosives, initiating systems, characteristics of explosive reactions and rock breakage, fundamentals of blast design, drilling and blasting, regulatory and safety considerations.

Proposed: same

5. Credit Hours: Present: Lecture: 2 Lab: 1 Total: 3
 Proposed: Lecture: 2 Lab: 1 Total: 3

6. Prerequisites:
 Present: Accompanied or preceded by either Cv Eng 215 or Geo 220 or Geo 125

Proposed: Min 151, accompanied or preceded by either Cv Eng 215 or Geo 220 or Geo 125.
 Successful background check (see Mining)

7. Required for Majors: ☒ Elective for Majors: ☐

8. Justification: Student lab is in mining environment. Background check required to verify compliance of student with safe explosives act of 2003. Increase protection of university by bringing in line with non ATF exempt institutions (S&T is exempt as political subdivision exemption to federal laws)

9. Semesters previously offered as an experimental course (101, 201, 301, 401):

10. List all co-listed courses, initialed by Dept. Chair(s) and Dean(s) if signatures do not appear below.

1) 4)
 2) 5)
 3)

Recommended by Department  (Chair signature)

Date: 12/20/09

Recommended by School/College:  (Dean signature)

Date: 1-18-10

Recommended by UMR Curricula Committee: (Chair signature)

Date: (Action)

Recommended by Academic Council: (Chair signature)

Date: (Action)

(Revised 2/14/02)

Effective Year: FS2010

Effective Term: Summer ☐ Fall ☒ Spring ☐

CC File # 7929-2009-Mining-305-32

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☐ Course Deletion ☐ Credit Hours ☐ Prerequisites ☒
 Course Title ☐ Catalog Description ☐ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Mining & Nuclear Engineering

2. Discipline and Course Number: Present: Min 305

Proposed:

3. Course Title: Present: Explosives Handling & Safety

Proposed:

Abbreviated Course Title: Expl. Hand & Saf.

(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (40 Words or Less)

Present:

Proposed: Basic handling & safety for explosives, explosives devices and ordnance related to laboratory handling, testing, manufacturing & storage, for both civil and defense applications.

5. If course requires field trip check box: ☐

6. Credit Hours:	Present:	Lecture: 1	Lab:	Total:
	Proposed:	Lecture: 3	Lab:	Total:

7. Prerequisites:

Present: Min 151 and Min 307

Proposed: Min 151 and Min 307. Successful background check.

8. Required for Majors: Elective for Majors: ☒

9. Justification: To verify compliance of students with safe explosives act of 2003. Increase protection of university by bringing in line with non ATF exempt institutions (S&T is exempt under political subdivision exemption to federal law).

10. Semesters previously offered as an experimental course (101, 201, 301, 401):

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.

1) ~~Min 401~~ 2) 3)

4) 5) 6)

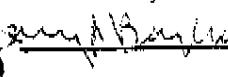
Recommended by Department



(Chair signature)

Date: 12/20/09

Recommended by Discipline Specific Curricula Committee



(Chair signature)

Date: 1-18-10

Approved by Curricula Committee:

(Chair signature)

Date:

Approved by Faculty Senate:

(Chair signature)

Date:

(Revised 1/31/08)

Effective Year: 2010

Term: Summer ☐ Fall ☒ Spring ☐

CC File # 7930-2009-Mi Eng-110-32

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☐ Course Deletion ☐ Credit Hours ☐ Prerequisites ☒
 Course Title ☐ Catalog Description ☐ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Mining Engineering
 2. Discipline and Course Number: Present: Mi Eng 110 Proposed: N/A
 3. Course Title: Present: Surveying For Mineral Engineers
 Proposed: N/A

Abbreviated Course Title: Surveying For Min Eng
 (24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (300 Character Spaces or Less.)

Present: Principles of surface and underground survey practice utilizing total station, engineer's level and GPS. Traversing and details, note taking and computations, balancing surveys and error analysis, staking-out new points, and map construction with AutoCAD.

Proposed: N/A

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture: 0 Lab: 2.0 Total: 2.0
 Proposed: Lecture: 0 Lab: 2.0 Total: 2.0

7. Prerequisites:

Present: Math 6, accompanied or preceded by Min Eng 3 and Min Eng 50

Proposed: Math 6, accompanied or preceded by Min Eng 3

8. Required for Majors: ☒ Elective for Majors: ☐

9. Justification: Mi Eng 50 is no longer offered. The necessary concepts will be incorporated into the course.

10. Semesters previously offered as an experimental course (101, 201, 301, 401):

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.

1) 2) 3)
 4) 5) 6)

Recommended by Department



Date: 12/20/09

Recommended by Discipline Specific Curriculum Committee



Date: 1-18-10

Approved by Curricula Committee:

(Chair signature)

Date: _____

Approved by Faculty Senate:

(Chair signature)

Date: _____

(Revised 1/29/09)

Effective Year: 2010

Term: Summer ☐ Fall ☒ Spring ☐

CC File # 7931-2009-MiEng-350-32

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☐ Course Deletion ☐ Credit Hours ☐ Prerequisites ☒
 Course Title ☐ Catalog Description ☐ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" Items blank if no change is being made.)

1. Department: MINING AND NUCLEAR

2. Discipline and Course Number: Present : 350 Proposed:

3. Course Title: Present: Blasting Design and Technology
 Proposed:

Abbreviated Course Title:

(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (300 Character Spaces or Less.)

Present:

Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture: 2 Lab: 1 Total: 3
 Proposed: Lecture: Lab: Total:

7. Prerequisites:

Present: Min 307. Student Must be at least 21 years of age.

Proposed: Min 307. Student Must be at least 21 years of age. Successful background check

8. Required for Majors: ☐ Elective for Majors: ☒

9. Justification: To verify compliance of students with safe explosives act of 2003. Increase protection of university by bringing in line with non ATF exempt institutions (S&T is exempt under political subdivision exemption to federal law)

10. Semesters previously offered as an experimental course (101, 201, 301, 401):

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.

1) 2) 3)

4) 5)

Recommended by Department: 

(Chair signature)

Recommended by Discipline Specific Curricula Committee: 

(Chair signature)

Approved by Curricula Committee: _____

(Chair signature)

Approved by Faculty Senate: _____

(Chair signature)

Date: 12/20/09

Date: 1-18-10

Date: _____

Date: _____

Effective Year: 2010

Term: Summer ☐ Fall ☒ Spring ☐

CC File # 7932-2009-MiGr-426-32

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)New Course ☐Course Deletion ☐Credit Hours ☐Prerequisites ☒Course Title ☐Catalog Description ☐Course Number ☐Co-listing ☐**Course Information** (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Mining and Nuclear Engineering

2. Discipline and Course Number: Present : 406

Proposed:

3. Course Title: Present: Scientific Instrumentation for Explosives Testing and Blasting

Proposed:

Abbreviated Course Title:

(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (300 Character Spaces or Less.)

Present:

Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:	Present:	Lecture: 2	Lab: 1	Total: 3
	Proposed:	Lecture:	Lab:	Total:

7. Prerequisites:

Present:

Proposed: Successful background check

8. Required for Majors: ☐ Elective for Majors: ☒

9. Justification: To verify compliance of students with safe explosives act of 2003. Increase protection of university by bringing in line with non ATF exempt institutions (S&T is exempt under political subdivision exemption to federal law)

10. Semesters previously offered as an experimental course (101, 201, 301, 401):

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.

1) 2) 3)

4) 5) 6)

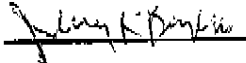
Recommended by Department



(Chair signature)

Date: 12/20/09

Recommended by Discipline Specific Curricula Committee



(Chair signature)

Date: 1-18-09

Approved by Curricula Committee:

(Chair signature)

Date: _____

Approved by Faculty Senate:

(Chair signature)

Date: _____

(Revised 1/29/09)

CC File # 7933-2009-Mi Eng-402-32

Effective Year: 2010

Term: Summer ☐ Fall ☒ Spring ☐**Course Change Form (CC)**

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☐ Course Deletion ☐ Credit Hours ☐ Prerequisites ☒
 Course Title ☐ Catalog Description ☐ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Mining and Nuclear Engineering

2. Discipline and Course Number: Present: 402

Proposed:

3. Course Title: Present: Environmental Control of Blasting

Proposed:

Abbreviated Course Title:

(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (300 Character Spaces or Less.)

Present:

Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:	Present:	Lecture: 2	Lab: 1	Total: 3
	Proposed:	Lecture:	Lab:	Total:

7. Prerequisites:

Present: Mi Eng 307.

Proposed: Mi Eng 307. Successful background check

8. Required for Majors: ☐ Elective for Majors: ☒

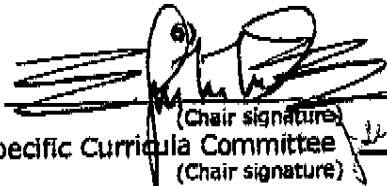
9. Justification: To verify compliance of students with safe explosives act of 2003. Increase protection of university by bringing in line with non ATF exempt institutions (S&T is exempt under political subdivision exemption to federal law)

10. Semesters previously offered as an experimental course (101, 201, 301, 401):

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.

1) 2) 3)
4) 5) 6)

Recommended by Department



(Chair signature)

Date: 12/26/09

Recommended by Discipline Specific Curricula Committee

(Chair signature)

Date: 1-16-10

Approved by Curricula Committee:

(Chair signature)

Date:

Approved by Faculty Senate:

(Chair signature)

Date:

(Revised 1/29/09)

Effective Year: 2010

Effective Term: Summer ☐ Fall ☒ Spring ☐

CC File # 7934-2009-MiGy-310-10

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☒ Course Deletion ☐ Credit Hours ☐ Prerequisites ☒
 Course Title ☐ Catalog Description ☐ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. **Department:** Mining and Nuclear Engineering
 2. **Discipline and Course Number:** Present: Min 301 Proposed: Min 310
 3. **Course Title:** Present: Stage Pyrotechnics and Special Effects
 Proposed:

Abbreviated Course Title: Stage Pyro & Spec Effect
 (24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (40 Words or Less)

Present: Use of energetic materials in close proximity to audiences. Provide participants with training preparing for Missouri Pyrotechnics Display Operators License. Covers: close proximity indoor and outdoor pyrotechnics and special effects. Working with stage crews and talent, safety and permitting.

Proposed:**5. If course requires field trip check box:** ☐

6. Credit Hours: Present: Lecture: Lab: Total:
 Proposed: Lecture: 1 Lab: 2 Total: 3

7. Prerequisites:

Present: Chem 1. US Citizen or permanent resident (to fulfill the requirements of the SAFE EXPLOSIVES ACT 2003). Resident enrollment at MS&T (e.g. not distance or internet)

Proposed: Chem 1. US Citizen or permanent resident (to fulfill the requirements of the SAFE EXPLOSIVES ACT 2003). Successful background check. Resident enrollment at MS&T (e.g. not distance or internet)

8. Required for Majors: ☒**Elective for Majors:** ☒

9. Justification: To verify compliance of students with safe explosives act of 2003. Increase protection of university by bringing in line with non ATF exempt institutions (S&T is exempt under political subdivision exemption to federal law)

10. Semesters previously offered as an experimental course (101, 201, 301, 401): FS2007 & FS2008**11. List all co-listed courses, initiated by Dept. Chair, if signature does not appear below.**

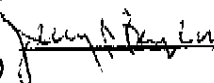
1) 2) 3)
 4) 5) 6)

Recommended by Department


 (Chair signature)

Date: 12/20/09

Recommended by Discipline Specific Curricula Committee


 (Chair signature)

Date: 1/6/10

Approved by Curricula Committee:

(Chair signature)

Date:

Approved by Faculty Senate:

Date:

(Revised 1/31/08)

Effective Year: 2010

Term: Summer ☐ Fall ☒ Spring ☐

CC File # 7937-2010-Eng-379-16

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☒

Course Deletion ☐

Credit Hours ☐

Prerequisites ☐

Course Title ☐

Catalog Description ☐

Course Number ☐

Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department: English and Tech Comm

2. Discipline and Course Number: Present : English 301

Proposed: English 379

3. Course Title: Present: Southern Culture

Proposed:

Abbreviated Course Title:

(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (300 Character Spaces or Less.)

Present: Introduction to major issues in the history and culture of the recent American South. Non-fiction, fiction, memoir, autobiography, journalism and film explore the social, economic, and political transformations of the region in the last half-century.

Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:

Present:

Lecture: 3

Lab: 0

Total: 3

Proposed:

Lecture:

Lab: 0

Total:

7. Prerequisites:

Present: English 20 and one semester of literature

Proposed:

8. Required for Majors: ☐ Elective for Majors: ☒

9. Justification: The class adds to the upper division electives available to our majors, strengthens our offerings in the American Studies minor, and has drawn a significant number of non-majors each time it has been taught.

10. Semesters previously offered as an experimental course (101, 201, 301, 401): 301: SP 08, FA 09

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.

1)

2)

3)

4)

5)

6)

Recommended by Department

(Chair signature)

Recommended by Discipline Specific Curricula Committee

(Chair signature)

Approved by Curricula Committee:

(Chair signature)

Approved by Faculty Senate:

(Chair signature)

Date: 1/18/10

Date: 2/11/10

Date: _____

Date: _____

ENGLISH 301: Southern Culture

Fall Semester, 2009

MWF 1:00-1:50

Instructor: Dr. Trent Watts

Office: H-SS 217

Office Hours: MW 12:00-1:00, and by appointment

Email: wattsta@mst.edu

Course Objectives:

This class provides an introduction to major issues in the history and culture of the recent American South. We'll read non-fiction, fiction, memoir, autobiography, and journalism to see how southerners have understood the social, economic, and political transformations of the region in the last half-century. Our readings and other texts will focus on the state of Mississippi, the subject of almost all of my research and writing, and more important, a land commonly considered "the most southern place on Earth," as historian James Cobb said of the Mississippi Delta. We'll read a good deal about race, of course, but that's not our only theme. Religion, sports, food, gender and sexuality, and music will also occupy a good deal of our attention.

You will be evaluated in several ways. While I will lecture occasionally, this class is predominately discussion-based. Read the books, and come to class ready to talk about them, or at least with a few questions. Class discussion will allow you to work toward interpretations of texts that you'll be able to expand upon in exams; class participation will also demonstrate "effort," and will be heavily rewarded. Exams will test how carefully you studied the assignments and how well you're able to synthesize what you read and discussed in class.

Required Texts:

Bobbie Ann Mason, *Elvis Presley: A Life*, 2007.
Hodding Carter, *So the Heffners Left McComb*, 1965.
Will D. Campbell, *Brother to a Dragonfly*, 1977.
Constance Curry, *Silver Rights*, 1996.
Noel Polk, *Outside the Southern Myth*, 1997.
W. Ralph Eubanks, *Ever is a Long Time*, 2005.
Larry Brown, *Fay*, 2001.

Carter's book is available as a pdf file on Blackboard. Buy and bring to class copies of these books.

Films and Documentaries:

Michael Curtiz, dir. *King Creole*, 1958.
Mira Nair, dir. *Mississippi Masala*, 1991.
Damien Blaylock and Jeff Konkel, dir. *M for Mississippi: A Roadtrip Through the Home of the Blues*, 2008.
Ron Tibbett, dir. *Citizen Shane*, 2004; available at
<http://video.google.com/videoplay?docid=3403991172883873966>

We'll watch these films and documentaries in class.

You'll find this syllabus and other important announcements at the Blackboard website:
<http://blackboard.mst.edu>. Use your MS & T email username and password to access the website. I reserve the right to make changes to the syllabus at my discretion. I will announce these changes in class or via email.

Grading:

In order to do well in this class, you must read all the material carefully and according to the schedule, and you must attend class. In assigning grades, I will follow these grading guidelines: (A) means genuinely outstanding work, mastery of the subject, near flawless exposition, and incisive interpretation. (B) means well above average achievements in mastery of the subject, exposition, and interpretation throughout the course. (C) means comprehension of the basic concepts, competent exposition, and interpretation, indicating that the student has learned the subject at an appropriate university level. (D) means unsatisfactory but still barely passing. (F) means failure. I use a conventional ten-point grading scale: 90-100--A; 80-89--B; 70-79--C; 60-69--D; 50-59--F.

Here are the requirements:

Midterm Exam	30%
Attendance and Participation	10%
Quizzes	10%
Final Exam	30%
Paper	20%

Disability Accommodation:

If you have a documented disability and anticipate needing accommodations in this course, you are strongly encouraged to meet with me early in the semester. You will need to request that the Disability Services staff send a letter to me verifying your disability and specifying the accommodation you will need before I can arrange your accommodation.

Attendance Policy: It is your responsibility to attend class. You will not pass if you don't attend. This is not high school; this is the real world. In the real world, you cannot miss work or other obligations without consequences. I will check attendance at each class meeting. If you are late, or if you leave early, you will be counted absent. You are allowed five absences this semester. If you miss six to eight classes, your final grade will be lowered by a letter grade. If you miss nine or more classes, you'll receive an F for the course. **Read the attendance policy again. If you plan to miss a lot of classes, I suggest that you drop this course now.**

Matters of Courtesy: Don't arrive late for class. It's rude and disruptive. If you must arrive late, enter quietly and sit near the door. I will not allow you to tape my lectures. You may bring a drink to class, but no food. Turn off your cell phone and other electronic devices, including laptop computers. Treat everyone with respect. This is an academic community dedicated to free inquiry. But free inquiry depends upon listening to other people's ideas, even unpopular ones. If you feel unable to follow these rules, drop the class.

The material we'll read this semester will treat frankly and honestly mature themes and situations such as violence, sex, divorce, adultery, and race relations in the American South. If you are overly sensitive or easily offended, consider yourself warned.

AUGUST

- 24 Introduction to the course
- 26 Mason, 1-41
- 28 Mason, 42-77
- 31 Mason, 78-115

SEPTEMBER

- 2 Mason, 116-169
- 4 *King Creole*
- 7 LABOR DAY HOLIDAY
- 9 *King Creole*
- 11 *King Creole*
- 14 Carter, 5-51
- 16 Carter, 52-72
- 18 Carter, 73-106
- 21 Carter, 107-142
- 23 *Eyes on the Prize: Mississippi: Is this America? (1962-1964)*
- 25 Curry, xi-55
- 28 Curry, 56-131
- 30 Curry, 132-188

OCTOBER

- 2 Curry, 189-244
- 5 Civil Rights Movement Photographs
- 7 MIDTERM EXAM
- 9 CLASS WILL NOT MEET
- 12 Campbell, vii-64
- 14 Campbell, 67-124
- 16 Campbell, 125-189
- 19 Campbell, 189-268
- 21 *Citizen Shane*
- 23 *Citizen Shane*
- 26 TBA
- 28 Polk, ix-42
- 30 Polk, 43-106

NOVEMBER

- 2 Polk, 107-150
- 4 Polk, 151-213
- 6 *Mississippi Masala*
- 9 *Mississippi Masala*
- 11 *Mississippi Masala*
- 13 Eubanks, xi-74
- 16 Eubanks, 75-151
- 18 Eubanks, 152-229
- 20 Brown, 9-84

THANKSGIVING BREAK

- 30 Brown, 85-191

DECEMBER

- 2 Brown, 192-276
- 4 Brown, 277-344
- 7 Brown, 345-491
- 9 *M for Mississippi*
- 11 *M for Mississippi*

Effective Year: 2011
Term: Summer ☐ Fall ☐ Spring ☒

CC File # 7939-2010-7Com-409-1

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☒ Course Deletion ☐ Credit Hours ☐ Prerequisites ☐
Course Title ☐ Catalog Description ☐ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department: English and Technical Communic
2. Discipline and Course Number: Present : TC 401 Proposed: TC 409
3. Course Title: Present: Web-Based Communication
Proposed: Web-Based Communication

Abbreviated Course Title:
(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (300 Character Spaces or Less.)
Present:

Proposed: Covers such topics as advanced writing and editing for the web; the creation of rhetorically effective websites; the use of blogs, wikis, and other web genres to communicate technical information.

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture: 3 Lab: Total:
Proposed: Lecture: 3 Lab: Total:

7. Prerequisites:
Present:

Proposed:

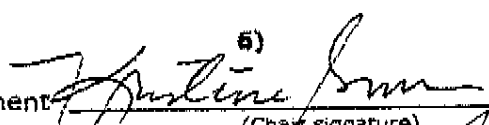
8. Required for Majors: ☐ Elective for Majors: ☒

9. Justification:

10. Semesters previously offered as an experimental course (101, 201, 301, 401): Spring 2009 & 2010

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.

- 1) 2) 3)
4) 5) 6)

Recommended by Department: 
(Chair signature)

Recommended by Discipline Specific Curricula Committee: 
(Chair signature)

Approved by Curricula Committee: _____
(Chair signature)

Approved by Faculty Senate: _____
(Chair signature)

Date: 1/14/10
Date: 2/1/10
Date: _____
Date: _____

Technical Communication 401: Web-Based Communication

Instructor: Dr. David Wright

Email: wrightmd@mst.edu

Office: 218 HSS Building

Phone: 341-4325

Office Hours: MWF 10:00-11:00 or by appt.

Required Materials:

Redish, Janice (2007). Letting Go of the Words: Writing Web Content that Works. New York: Morgan Kaufmann.

(LGW in syllabus)

Bishop, Sherry (2007). Adobe Dreamweaver CS3 Revealed. New York: Delmar Cengage Learning.

(ADR in syllabus)

Titel, Ed., Noble, Jeff (2008). HTML, XHTML, and CSS for Dummies.

(HT in syllabus)

Course structure: The goal of this course is two-fold. Students will produce a comprehensive web site for a non-profit organization that meets the needs of that organization and promotes its interests. In doing so, students will be required to learn web authoring software and the basics of HTML and CSS. Students will also gather and display knowledge of writing for the web. We will treat the class as a small business that has been given a contract to produce a web site for a small company. Your instructor will function as the CEO of that company and will assign tasks to individual members of the "company" on an ongoing basis. Because we will function as a small business, we will learn certain things together, while class members will be asked to complete tasks individually and share what they have done/learned with other members of the group.

Accommodation

If you have a documented disability and anticipate needing accommodations in this course, you will need to request that the Disability Services staff send a letter to me verifying your disability and specifying the accommodation you will need before I can arrange your accommodation. Call Disability Services at 341 4211.

Semester Plan

Date	Topic/Notes	Reading Chapters	Project
1-11	Introduction/course materials	LGW 1	Student Presentations Begin
1-18	Writing for the Web	LGW 2-5	
1-25		LGW 6-9	
2-1		LGW 10-12	
2-8	HTML, CSS	HT 4-6	
2-15		HT 7-9	
2-22		HT 10, 12	Mid-Term Exam
3-1	Dreamweaver	ADR 1-3	
3-8		ADR 2-6	
3-15	St. Pat's (Thurs-Fri)	ADR 7-8	
3-22		ADR 9-10	Research Paper Draft
3-29	Spring Break		
4-5	Web Production		Research Paper
4-12			
4-19			
4-26			
5-3			
5-10			Class Project

Assignments

Student presentations
Mid-term exam
Research paper draft
Research paper
Class project
Exam two

Points Possible

200
150
100
200
200
150

Grading

Grades will be based on 1000 points for the class, with 900+=A; 800+=B, etc. Late assignments will be penalized 10% for each day late unless arrangements are made in advance. Grades can be discussed (after a 24 hour cooling off period), and if you would like to appeal your final grade in the course (not grades on individual assignments), see Dr. Kris Swenson, Department Chair.

Academic Alert

I will utilize the academic alert system if you begin to “slip” during the course of the semester or miss too many classes. This is not an attack you personally, just a reminder. However, please take this reminder seriously.

Academic Dishonesty

Page 30 of the Student Academic Regulations handbook describes the student standard of conduct relative to the System's Collected Rules and Regulations section 200.010, and offers descriptions of academic dishonesty including cheating, plagiarism or sabotage. Please familiarize yourself with university regulations concerning academic dishonesty—you will be held accountable for them.

Effective Term: FS2010

CC File # 7967-2010-ERP-345-32

Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)

New Course ☐ Course Deletion ☐ Credit Hours ☐ Prerequisites ☒
 Course Title ☐ Catalog Description ☒ Course Number ☐ Co-listing ☐

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. School/College: Department: Business & Information Tech

2. Discipline and Course Number: Present : ERP345 Proposed:

3. Course Title: Present: Use of Business Intelligence
Proposed:

Abbreviated Course Title: Business Intelligence
(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (40 Words or Less)

Present: Application of "intelligent" techniques from CS and OR to business decision making. Overview of the theory, but with a focus on the application to business problem solving. Use of SAP as a tool to access and present data, search for patterns, and identify exceptions, as well as forecast, optimize, and schedule resources.

Proposed: This course introduces data-oriented techniques for business intelligence. Topics include Business Intelligence architecture, Business Analytics, and Enterprise Reporting. SAP Business Information Warehouse, BusinessObjects, or similar tools will be used to access and present data, generate reports, and perform analysis.

5. Credit Hours: Present: Lecture: 3 Lab: Total: 3.0
Proposed: Lecture: Lab: Total:

6. Prerequisites:
Present: ERP346 or BUS426; database experience.

Proposed: ERP 246 or BUS426 or ERP346 (ERP 346 may be taken concurrently).

7. Required for Majors: ☐ Elective for Majors: ☒

8. Justification: In response to curriculum revision effort, to keep up with technology trends, & to fit better with other degree programs in the department.

9. Semesters previously offered as an experimental course (101, 201, 301, 401):

10. List all co-listed courses, initialed by Dept. Chair(s) and Dean(s) if signatures do not appear below.

1) 4)
2) 5)
3) 6)

Recommended by Department Caroline Fisher Date: 2/2/10
(Chair signature)

DSCC
Recommended by School/College: Darryl Shanks Date: 2/9/10
(Dean signature)

Recommended by UMR Curricula Committee: _____ Date: _____
(Chair signature) (Action)

Recommended by Academic Council: _____ Date: _____
(Chair signature) (Action)

CC File # 7968-2010-ERP-448-32

Effective Year: FS2010

Term: Summer ☐ Fall ☒ Spring ☐**Course Change Form (CC)**

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)New Course ☐Course Deletion ☐Credit Hours ☐Prerequisites ☒Course Title ☐Catalog Description ☐Course Number ☐Co-listing ☐**Course Information** (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Business & Info Tech

2. Discipline and Course Number: Present : ERP 448

Proposed:

3. Course Title: Present: Enterprise Performance Management System Prototyping

Proposed:

Abbreviated Course Title:

(24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. Catalog Description (300 Character Spaces or Less.)

Present: This course will study implementation and design practices for enterprise performance management and monitoring systems with a focus on dashboards, balanced scorecard, and value based management. SAP's Strategic Enterprise Management (SEM), Business Object Xcelsius, or similar tools will be used for

Proposed:5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture: 3.0 Lab: Total: 3.0

Proposed: Lecture: Lab: Total:

7. Prerequisites:

Present: ERP345

Proposed: ERP444 or IST444

8. Required for Majors: ☐ Elective for Majors: ☒

9. Justification: In response to curriculum revision effort.

10. Semesters previously offered as an experimental course (101, 201, 301, 401):

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.

1) 2) 3)

4) 5) 6)

Recommended by Department

Caroline Fisher

(Chair signature)

Date: 2/2/10

Recommended by Discipline Specific Curricula Committee

Ray Zisch

(Chair signature)

Date: 2/2/10

Approved by Curricula Committee:

(Chair signature)

Date: _____

Approved by Faculty Senate:

(Chair signature)

Date: _____

Effective Year: 2010

Effective Term: Summer ☐ Fall ☒ Spring ☐

EC File # 2231-152010-EE301

Experimental Course Form (EC)

This form must be filed with the Secretary to the Campus Curricula Committee, after the department chair's notation, by the appropriate deadline. Filing deadlines for inclusion in the initial release of the Schedule of Classes are as follows:

Summer and Fall Semester Offerings – January 1
Spring Semester Offerings – August 1

An EC form must be submitted each semester it is to be offered, not to exceed two offerings. An experimental course that is required should be submitted on a CC form. *Co-listed offerings should be submitted on one form, originating from the primary discipline.*

Department: Electrical and Computer Engineering

Discipline and Course Number: EE301

Course Title: Introduction to Radar Systems

Abbreviated Title (24 spaces or less): Intro to Radar Systems

Instructor(s): Reza Zoughi

Credit Hours: Lecture: 3 Lab: Total: 3

Prerequisites: EE271 and EE267/217

Semester(s) previously taught: None

Brief Course Description: (40 words or less)

Introducing basics of radar systems & apps.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.

- | | | |
|----|----|----|
| 1) | 2) | 3) |
| 4) | 5) | 6) |

Department Chair: Reza Zoughi
(Chair Signature)

Date: 14 Dec 09

Discipline Specific Curricula Committee: Reza Zoughi
(Chair signature)

Date: 1-17-10

Curricula Committee: _____
(Chair Signature)

Date: _____

(Revised 1/31/2008)

12/14/09

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This fax was received by GFI FAXmaker fax server. For more information, visit: <http://www.gfi.com>

Effective Year: 2010

Effective Term: Summer ☐ Fall ☐ Spring ☒

EC File # 2233-Sp2010-Min-401

Experimental Course Form (EC)

This form must be filed with the Secretary to the Campus Curricula Committee, after the department chair's notation, by the appropriate deadline. Filing deadlines for inclusion in the initial release of the Schedule of Classes are as follows:

Summer and Fall Semester Offerings – January 1
Spring Semester Offerings – August 1

An EC form must be submitted each semester it is to be offered, not to exceed two offerings. An experimental course that is required should be submitted on a CC form. Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: Mining and Nuclear Engineering

Discipline and Course Number: Min 401

Course Title: Ventilation and Mine Fire Simulation

Abbreviated Title (24 spaces or less): Vent & Fire Simulation

Instructor(s): Jerry Tien & Stewart Gillies

Credit Hours: Lecture: 2 Lab: 1 Total: 3

Prerequisites: Min 318 or the consent of instructor

Semester(s) previously taught: None

Brief Course Description: (40 words or less)

(Lec 2.0 and Lab 1.0) A study of the effects of fires on the mine ventilation system, including the principle of combustion, source of ignition underground, dynamics of the mine ventilation system during mine fires, monitoring systems, the simulation of mine fires with modern software and use of inertization systems for suppression and other fire-fighting strategies. Prerequisite: Min-318 or the consent of instructor.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.

1)

2)

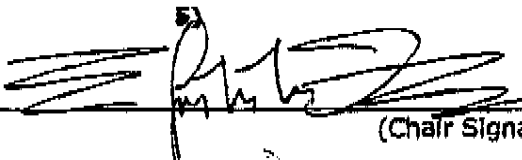
3)

4)

5)

6)

Department Chair:

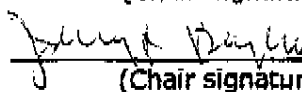


(Chair Signature)

Date:

12/20/09

Discipline Specific Curricula Committee:



(Chair signature)

Date:

1-18-10

Curricula Committee:

(Chair Signature)

Date:

Effective Year: 2010

Effective Term: Summer ☐ Fall ☒ Spring ☐

EC File # 2235-FS2010-Civ-301

Experimental Course Form (EC)

This form must be filed with the Secretary to the Campus Curricula Committee, after the department chair's notation, by the appropriate deadline. Filing deadlines for inclusion in the initial release of the Schedule of Classes are as follows:

Summer and Fall Semester Offerings - January 1
Spring Semester Offerings - August 1

An EC form must be submitted each semester it is to be offered, not to exceed two offerings. An experimental course that is required should be submitted on a CC form. Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: Civil

Discipline and Course Number: 301

Course Title: Advanced Traffic Signal Operations

Abbreviated Title (24 spaces or less): Adv Traffic Signal Ops

Instructor(s): Michael Trueblood

Credit Hours: Lecture: 3 Lab: Total: 3

Prerequisites: CE 353

Semester(s) previously taught: Fall 2009

Brief Course Description: (40 words or less)

Discuss the role and function of a traffic signal components: the signal controller, conflict monitor, vehicle detectors, etc. Discuss layout of traffic signal hardware at an intersection. Discuss the phasing/timing of traffic signals in details.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.

1)

2)

3)

4)

5)

6)

Department Chair: _____

(Chair Signature)

Date: 12/22/09

Discipline Specific Curricula Committee: _____

(Chair signature)

Date: 1-8-10

Curricula Committee: _____

(Chair Signature)

Date: _____

12/22/09

(Revised 1/31/2009)

EC File # 2236-FS2010-TCom-201

Effective Year: 2010
Effective Term: Summer ☐ Fall ☒ Spring ☐

Experimental Course Form (EC)

This form must be filed with the Secretary to the Campus Curricula Committee, after the department chair's notation, by the appropriate deadline. Filing deadlines for inclusion in the initial release of the Schedule of Classes are as follows:

Summer and Fall Semester Offerings - January 1
Spring Semester Offerings - August 1

An EC form must be submitted each semester it is to be offered, not to exceed two offerings. An experimental course that is required should be submitted on a CC form. Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: English & Technical Communication

Discipline and Course Number: TCH COM 201

Course Title: Technical Presentations

Abbreviated Title (24 spaces or less):

Instructor(s): Kathryn Northcut

Credit Hours: Lecture: 3 Lab: Total: 3

Prerequisites: none

Semester(s) previously taught: N/A

Brief Course Description: (40 words or less)

Students will practice conveying technical information to a range of audiences using multiple delivery methods.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.

1) ENG MGT 201 *(signature)* 3)
4) 5) 6)

Department Chair: *(signature)* (Chair Signature)

Date: 1/5/10

Discipline Specific Curricula Committee: *(signature)* (Chair signature)

Date: 2/1/10

Curricula Committee: _____ (Chair Signature)

Date: _____

From: Kristine Swenson, Department Chair, English and Technical Communication
To: Registrar, Area Curriculum Committee
Date: January 6, 2009
Re: Technical Communication 201

Proposal for a new 3-hour course, Technical Communication 201, "Technical Presentations."

Objective: A 3-credit-hour course, Technical Presentations, will help students across a variety of majors improve their ability to inform and persuade when technical content is being addressed to a variety of audiences.

Proposed Course Description: Technical communication skills, both informative and persuasive, will be covered. Students will produce materials for spoken, print, and online communication contexts. Specific activities will include informal funding proposals, multimedia presentations, and speaking to external groups about university projects such as those of the SDELC. Prerequisite: one semester of college-level writing.

Rationale: Missouri S&T engineering students typically excel in technical design, but often have relative weaknesses in presenting information and explaining their designs to a varied, public audience across a variety of media. Missouri S&T students in non-engineering majors are often unintentionally excluded from the projects led by student designers, despite the skills in argument, persuasion, and marketing that they might bring to such projects. The proposed course would focus specifically and exclusively on presenting technical material to varied audiences across a spectrum of contemporary platforms for both informative and persuasive purposes. No other course in the curriculum meets this need.

Current Situation: Students *on design teams* may take 1-credit-hour elective courses in Competition Team Leadership, Competition Team Design, and Competition Team Communication with the IDE designation. Those courses are proposed to become part of the Engineering Management curriculum. The current 1-credit-hour course in communication is likely to be replaced with another topic.

Benefits: A course in Technical Presentations would potentially benefit many of the 400 S&T undergraduates involved with the design teams, and would also be a site for meaningful interdisciplinary collaborations between the engineering majors and students from other diverse fields, especially English and Technical Communication. The course will be co-listed as a 200-level course offered by both Engineering Management and English/Technical Communication, so it is likely to attract students in Engineering fields, who could take the course by itself or as part of a Technical Communication minor. The course would also qualify as one of the five required electives for Tech Com BS majors.

IDE 224, 233, and 242 enrolled five students each in Fall, 2009. Students who enroll typically take all three to form the equivalent of a single 3-credit-hour course. The professor, Paul Hirtz, could replace the communication component if it becomes available as a 3-credit-hour course. Design team students will most likely benefit from such a course if it is offered in the Fall. Although students often wish to take

electives in the summer, the numbers of students may be too small for the course to fill at the desired level. The course could be offered in any semester deemed feasible, pending approval by all parties.

Further Specifications: The proposed course should require minimal prerequisites, making it available to interested students at all points in their academic careers.

Current Course Description for IDE 242 (Competition Team Communication): Communication skills, both technical and promotional, will be covered. Students will practice both communication skills in written, oral and media-based modes. Specific activities will include writing a proposal for funding, developing a promotional media piece and speaking to external groups about a SDELC team. Assessment will be made on each of the deliverables. Prerequisites: IDE 224 and IDE 233.

The platforms for communication change constantly. A few years ago, Weblogs (blogs) were the medium of choice for conveying technical news. As the popularity of Weblogs decreases, other media such as Twitter enjoy popularity. The Technical Presentations course would teach students to exploit new media in whatever forms it exists, for the purpose of informing and promoting their projects to varied audiences. Students would also develop interpersonal skills, such as one-on-one walkthroughs of design projects and "elevator pitch" types of proposals. Students will select one project, such as one of the design team projects, to use as a case for the course, and most or all of the graded assignments in the course would use that project as the topic. Students will work in teams at times, but will be graded on their individual presentations rather than team projects, in order to focus on the unique skills of each student. If a classroom such as Engineering Management 103, a distance learning classroom, can be scheduled for part or all of the course, students' presentations will be videotaped for them to view and critique as their own, likely most critical, audience.

Proposed textbook: *Oral Presentations for Technical Communication* by Laura Gurak.

Timeline/schedule: We would like to offer Tech Com 201, Technical Presentations, co-listed as Engineering Management 201, in Fall 2010 and, depending on demand, in Fall 2011 or Fall, 2012.

Qualifications: The course will be developed and taught initially by Dr. Kathryn Northcut, who has the support of Paul Hirtz and Bob Phelan, advisers to the student design teams at Missouri S&T. Dr. Northcut has a doctorate in Technical Communication and Rhetoric from Texas Tech University and has worked as a technical writer in a variety of technology-rich environments including high-voltage motor testing and software development. She has 23 years of experience in professional writing and publication (7) and teaching writing, technical communication, rhetoric, and English (16). She is the Program Director of Technical Communication as of January 1, 2010. She currently teaches courses such as Proposal Writing (TCH COM 333), Technical Writing (English 160), and Advanced Theories of Visual Communication (TCH COM 420). She is well-qualified to teach a multi-modal course in the dissemination of technical information.

Proposal Syllabus Overview for Tech Com/Engineering Mgmt 201: Technical Presentations

Professor Kathryn Northcut
216 H/SS
northcut@mst.edu
341-4687

Course Description: Technical communication skills, both informative and persuasive, will be covered. Students will produce materials for spoken, print, and online communication contexts. Specific activities will include informal funding proposals, multimedia presentations, and speaking to external groups about university projects such as those of the SDELC. Prerequisite: one semester of college-level writing.

Textbook: Laura Gurak, *Oral Presentations for Technical Communication*, Allyn & Bacon publishers, current edition.

Major Assignments

Public Introduction to Technical Design Project (20%)

For this assignment, students will work in teams, preparing an informative and interesting 15-minute presentation that can be presented to groups of high school students, community college students, or local civic organizations.

Grading criteria: visual including photographs; handout or deliverable for audience members; hands-on aspect if feasible; speaking ability of each presenter including audibility, approachability, and interaction; pacing and timing; comprehensibility.

Reflective summary of Introduction (10%)

After the presentation of the Public Introduction, students will review the video of their performance, and critique it in a 400-500 word written reflection. Students will identify both strengths and weaknesses of their own and their teammates' performances, using constructive and tactful language.

Explanation of Technical Innovation (20%)

For this presentation, students must identify the most interesting technological innovation they can find, and design a presentation in which it is explained for an audience of interested non-specialists. Because the topic is an innovation, the speaker must assume the audience does not already know about it. The speaker needs to describe the technology on which the innovation is based, and clearly articulate how the innovation advances or alters the existing technology. Costs and benefits of the technology, alternative competing technologies, and history of the innovation should be part of this presentation, not necessarily in that order. This assignment gives students in the genre of academic conference presentation.

Grading Criteria: clarify of explanations, narrative structure, cohesive devices between parts of presentation, handout/visuals, and ability to answer questions.

Reflection about Technical Innovation Presentation (10%)

After the presentation of the Technical Innovation, students will review the video of their performance, and critique it in a 400-500 word written reflection. Students will identify both strengths and weaknesses of their performances, specifically targeting areas for future improvement in speaking style, audience awareness, or other aspects of the presentation.

Persuasive Proposal (20%)

Students will identify a course of action that is currently not being taken, and identify an appropriate audience to persuade of the merits of the change. The "course of action" may be related to funding, research and development, student opportunities, policies, or another aspect of a technology-related challenge. In a ten-minute presentation, students will argue for the merits of their idea(s), making as strong an argument as possible. Students will employ Toulmin-style argument structure or a rhetorical analysis in crafting and organizing the presentation.

Grading criteria: clear claims, reasons, evidence, rhetorical elements; appropriate and convincing interpretation of audience; feasibility of proposal including schedule and budget.

Persuasive Proposal Analysis (10%)

Accompanying the persuasive proposal will be a written analysis that describes the logic of the argument through prose and graphics, demonstrating students' control of argument theory.

Multimedia Revision (10%)

For this assignment, students will transform any of their other course projects into a stand-alone multimedia presentation. Using software such as Camtasia, students will take a live presentation and make it available on DVD or the Web for audiences who would not otherwise attend such a presentation. Titles, captions, motion graphics, voice-over, and other techniques will be introduced and encouraged.

Usability Testing and Research English 301

Instructor: David Wright
Email: wrightmd@mst.edu
Meetings: MWF 3:00-3:50, CSF 114
Office: 218 HSS Building
Phone: 341-4325
Office Hours: MWF 9:00—11:00 or by appt.

Required Materials:

Barnum, Carol M. *Usability Testing and Research*. New York: Pearson, 2002.

(CB in course outline)

Nielson, Jakob & Loranger, Hoa. *Prioitizing Web Usability*. Berkeley: New Riders Press, 2006.

(JN in course outline)

Course Policies

- Late papers will be penalized one letter grade for each day late.
- Incompletes will only be offered in extreme conditions
- Any student needing assistance in order to participate in this class because of a disability needs to let me know as soon as possible, no later than the end of the first week of class. Assistance will be provided by the university.

Assignments and Grades

Your grade will be based on the quality of your work on the assignments listed, as well as on your class participation and attendance. All assignments must be completed in order for you to pass the course! Your final grade will be based on assignments totaling 1000 points. All assignments must be turned in on paper, not electronically. When you receive your graded major assignments back, be sure to keep them. You will need the original assignments in case of an appeal. Any copy without the original grade or comments is not valid for that purpose. Also, you must submit all major assignments to pass the course.

Final Grades

Your final grades will be based on this point scale:

Points	Grade
900-1000	A
800-899	B
700-799	C
600-699	D
Below 600	F

Attendance Policy

As this is an upper division course, you are expected to be in class on time and prepared for each assigned day. More than 9 absences result in an automatic failure of the course. The **6 “permitted” absences are there to cover emergencies and illness**; if you use them unwisely and then experience a real emergency later in the semester, you will have no recourse other than to lose points from the total points you have earned (minus 50 points for each additional absence).

Things to avoid:

- Missing class. During class, graded activities occur, and attendance for their entirety is necessary to qualify for full credit.
- Missing assignments.
- Rude or inappropriate behavior (including sleeping or using cell phones, IM or email) during any student's presentation will result in a 5% deduction from the **final** grade.
- Distracting or disrupting the class after a warning will result in 5% deduction from the **final** grade.
- Turning in an assignment late. Late work results in a minimum 10% deduction from the assignment grade.
- Plagiarism or cheating will result in a minimum failure of the assignment, with a maximum penalty of failure of the course and being reported to administrators.
- Inappropriate responses to grades. If you don't like your grade, wait 24 hours, review the comments, and only then send an email or set up a meeting to discuss the grade. Course grades (not grades on individual tests and assignments) can be appealed to Professor Gene Doty, Chair of English and Technical Communication, HSS 236.

Assignments	Points Possible
Class Participation	100
Discussion Group Leadership	100
Software Explanation Memo	50
Exam One	100
Test Plan	100
Event Report	100
Final Testing Report	150
Web Site Critique	50
Web Analysis Memo	50
Web Redesign Memo	100
Exam Two	100

Semester Plan

Week	Topic	Reading Chapters	Due (Always on Friday)
1 (8-25)	Introduction/Teams	CB 1, Appendix	Establish Groups
2 (9-1)	Analysis and Planning	CB 3, 5	Discussion Group 1
3 (9-8)	Preparing and Conducting Tests	CB 6,7	Software Explanation Memo Discussion group 2
4 (9-15)	Analyzing Results	CB 8	Discussion Group 3 Exam One
5 (9-22)	Student Test Planning		
6 (9-29)	Student Usability Testing		Test Plan
7 (10-6)	Collating Results		Event Report from Testing
8 (10-13)			Final Testing Report
9 (10-20)	Intro to Web Usability	CB 9--JN 1,2	Discussion Group 4
10 (10-27)	Web Usability Problems	JN 3,4	Discussion Group 5
11 (11-3)	Information Architecture	JN 6,7	Discussion Group 6
12 (11-10)	Writing for the Web	JN 8	Web Site Critique Discussion Group 7
13 (11-17)	Products and Page Elements	JN 9,10	Web Analysis Memo (CB 380-381) Discussion Group 8
14 (11-24)	Thanksgiving Break		
15 (12-1)			Web Redesign Memo
16 (12-15)			Exam Two

Assignments

In general, assignments will take shape as the course takes shape. I do not have specific details in mind for all assignments yet, but they will look something like the following list.

Software Explanation Memo

The first half of the course will focus on software usability testing. As such, you will need to focus on one software that you would like to use for testing. The software explanation memo will let me and others in the course know what type of software you will choose to evaluate. Another option is for the entire class to use the same software. In any event, your memo should describe the function of the software, give background information as to its purpose and history, explain what you know of the software to this point, and detail the areas of the software that you would like to examine.

Exam One

The first exam will focus on material from the Barnum text. The exam will be in essay format, and will consist of 2-3 questions.

Test Plan

As part of a research team, you will develop a testing plan for the software you have chosen. The test plan will focus on your chosen software, and will approximate the sample test plan in the chapter 5 appendix.

Event Report

The event report will be a written summary of your observations. It will include team checklists and questionnaires.

Final Testing Report

The final testing report will be a formal report detailing your investigation. See appendix 8.1 for a quick glance.

Web Site Critique

The web site critique will be an analysis of a web site of your choice on the basis of the materials we have discussed in class. It will be a brief, highly detailed paper.

Web Analysis Memo

The web analysis memo will be an adaptation of Nielson's heuristics. It will be an extension of the web site critique.

Web Redesign Memo

The web redesign memo should combine your analyses from the critique and analysis memos into a coherent plan for redesign of the web site you have chosen.

Exam Two

The second exam will cover material from the second half of the course only.

