Agenda
Campus Curricula Committee Meeting
October 31, 2012
12 p.m., Room 117 Fulton Hall

Review of submitted DC forms:

DC 0418, Engineering Management, Bachelor of Science, Management of Technology Emphasis, effective Fall 2013.

DC 0430, History, Bachelor of Arts/History Teacher Education Program, effective Fall 2013.

DC 0431, Business and Information Technology, Minor in Mobile Business and Technology, effective Fall 2013.

Review of submitted CC forms:

CC 8280, Computer Engineering 416, Advanced Computer Architecture II, effective Spring 2013.

CC 8281, History 396, History Research Seminar, effective Fall 2013.

CC 8282, Engineering Management 482, Financial Engineering II, effective Spring 2013.

CC 8283, Engineering Management 382, Introduction to Operations Research, effective Spring 2013.

CC 8284, Systems Engineering 378, Introduction to Neural Networks & Applications, effective Fall 2013.

CC 8285, Engineering Management 481, Financial Engineering, effective Spring 2013.

CC 8286, Systems Engineering 412, Complex Engineering Systems Project Management, effective Spring 2013.

CC 8287, Systems Engineering 411, Systems Engineering Capstone, effective Spring 2013.

CC 8288, Systems Engineering 469, Systems Architecting, effective Spring 2013.

CC 8289, Engineering Management 472, Lean Manufacturing Systems, effective Spring 2013.

CC 8290, Engineering Management 408, Financial Risk Management, effective Spring 2013.

CC 8291, Systems Engineering 413, Economic Analysis of Systems Engineering, effective Spring 2013.

CC 8292, Engineering Management 452, Advanced Financial Management, effective Spring 2013.

CC 8293, Engineering Management 480, Investment, effective Spring 2013.

CC 8294, Information Science and Technology 354, Multi-media Development and Design, effective Spring 2013.

CC 8295, Information Science and Technology 352, Advanced Web Development, effective Spring 2013.

CC 8296 Information Science and Technology 386, Human-Computer Interaction Prototyping, effective Spring 2013.

CC 8297, Marketing 331, Promotions Management, effective Spring 2013.

CC 8098, Enterprise Resource Planning 341, Enterprise Portal Application Development, effective Spring 2013.

CC 8299, Information Science and Technology 241, E-Commerce, effective Spring 2013.

CC 8300, Information Science and Technology 233, Introduction To Telecommunications Networks, effective Spring 2013.

CC 8301, Enterprise Resource Planning 342, Customer Relationship Management in an ERP Environment, effective Spring 2013.

CC 8302, Enterprise Resource Planning 442, Advanced Customer Relationship Management in ERP Environment, effective Spring 2013.

CC 8303, Enterprise Resource Planning 347, Supply Chain Management Systems, effective Spring 2013.

CC 8304, Enterprise Resource Planning 348, Strategic Enterprise Management Systems, effective Spring 2013.

Review of submitted EC forms:

EC 2430, History 301, Women In the History of Science, Technology and Medicine, effective Fall 2013.

EC 2431, Art 201, Thematic Studies In Film and Philosophy, effective Spring 2013.

EC 2432, Spanish 201, Spanish Phonetics: Pronunciation For English Native Speakers, effective Spring 2013.

EC 2433, Materials Science and Engineering 301, Integrated Computational Materials Engineering, effective Spring 2013.

EC 2434, Chemistry 401, Solid-State and Materials Chemistry, effective Spring 2013.

EC 2435, French 301, Contemporary Francophone Literature, effective Spring 2013.

EC 2436, Biological Sciences 401, Advanced Sleep Biology, effective Spring 2013.

EC 2437, Chemistry 201, Undergraduate Peer-Learning Assistant Practicum, effective Spring 2013.

EC 2439, Information Science and Technology 301, Intro To Date Warehouses, effective Spring 2013.

Tabled Items:

DC 0417, Engineering Management, Bachelor of Science, effective Fall 2013.

DC 0419, Engineering Management, Bachelor of Science, Industrial Engineering Emphasis, effective Fall 2013.

DC 0420, Engineering Management, Bachelor of Science, General Emphasis, effective Fall 2013.

DC 0429, Engineering Management, Bachelor of Science, effective Fall 2013.

Effective Year: 2013   DC # *0418-2012-Emgt-000-00*
Effective Term: Summer ☐   **Fall** xx☐   **Spring** ☐
(Creating or modifying a degree program must be effective for a Fall term)

Degree Change Form (DC)

This form is to be used for creating or modifying degree programs, emphasis areas, and minors.

Title of degree program, emphasis area, or minor:
Management of Technology Emphasis Area

Department: EMSE

Briefly describe action requested (Attach documentation as appropriate):
The Management of Technology (MOT) Emphasis area required courses will change from EMSE 313, 320, and 327, (9 required credit hours) to EMSE 320, 327, 356, and 366 (12 required credit hours). EMSE MOT Emphasis area technical elective will be reduced from 9 credit hours to 6 credit hours. Free Electives under this change will be reduced from 6 credit hours to 3 credit hours.

Recommended by Department: _____   Date: 2/27/12
                                                         (Chair signature)

Recommended by: _____   Date: 9/7/12
Discipline Specific Curricula Committee   (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                                              (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                                            (Chair signature)

02/27/12   (Revised 9/12/2011)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☒   Spring ☐
(Creating or modifying a degree program must be effective for a Fall term)
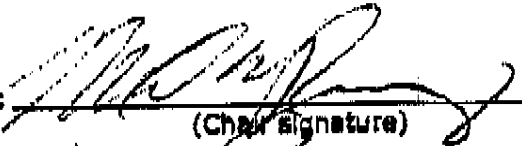
DC # *0430-2012- Mat-*
000-00

Degree Change Form (DC)

This form is to be used for creating or modifying degree programs, emphasis areas, and minors.

Title of degree program, emphasis area, or minor:
History major; History Teacher Education Program

Department: History & Political Science

Briefly describe action requested (Attach documentation as appropriate):
We are adding a new course (tentatively Hist 396, Research Seminar in History, see accompanying ccform), that history majors would be able to take in place of the Hist 397 Senior Thesis requirement, or as an upper-division history elective in preparation for the senior thesis. Students in the research seminar will be required to produce a research paper the same length and quality as that currently required by the senior thesis, but the research seminar would offer a more structured, classroom environment (as opposed to the independent study format of Hist 397) that we believe would be beneficial to many history majors.

Recommended by Department: _____
                                        (Chair signature)
Date: 9-10-12

Recommended by: _____
Discipline Specific Curricula Committee   (Chair signature)
Date: 9-17-12

Approved by Curricula Committee: _____
                                        (Chair signature)
Date: _____

Approved by Faculty Senate: _____
                                        (Chair signature)
Date: _____

(Revised 9/12/2011)

09/10/11

Current History Major:

Hist 10	Intro to Hist.	1 credit hours
Hist 175, 176	American History surveys	6
Hist 299	Historiography	3
	American History electives	6
	European History electives	6
	Open History electives	6
Hist 397	Senior Thesis	3
Total		31 credit hours[i]

Proposed History Major:

Hist 10	Intro to Hist.	1 credit hours
Hist 175, 176	American History surveys	6
Hist 299	Historiography	3
	American History electives	6
	European History electives	6
	Open History electives	6
Hist **396 or** 397	**Hist. Research Sem. or** Senior Thesis	3
Total		31 credit hours[i]

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[i] History majors and those in the History Teacher Education Program are also required to complete Hist 111 and 112 (the Western Civilization sequence) as part of the general education requirements for the B.A. In addition, 9 hours of the 31 major hours must be taken at the 300 level (no change in requirements with this).

Effective Year: 2013
Effective Term: Summer ☐ **Fall** x☐ **Spring** ☐
(Creating or modifying a degree program must be effective for a Fall term)

DC # 0431-2012-BIT-00000

Degree Change Form (DC)

This form is to be used for creating or modifying degree programs, emphasis areas, and minors.

Title of degree program, emphasis area, or minor:
Minor in Mobile Business and Technology

Department: Business and Information Technology

Briefly describe action requested (Attach documentation as appropriate):
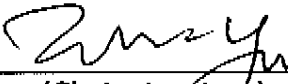Reflecting the increased interest in the use of Mobile Technology in Business, a 15 credit hour Minor has been created from existing courses as follows:

Nine hours of the course work are required to be:
    IST 241 Electronic and Mobile Commerce
    IST 335 Fundamentals of Mobile Technology for Business
    ERP 341 Enterprise Portal and Mobile Application Development

The other 6 hours of elective course work may be chosen from the following:
    IST 233 Introduction to Telecommunications Networks
    ERP 342 Customer Relationship Management in an ERP Environment
    ERP 347 Supply Chain Management Systems in an ERP Environment
    ERP 348 Performance Dashboard, Scorecard, and Data Visualization
    IST 352 Advanced Web Development
    IST 386 Human-Computer Interaction Prototyping

Recommended by Department: _____ Date: 9-26-'12
                                     (Chair signature)

Recommended by: _____ Date: 10/2/12
Discipline Specific Curricula Committee   (Chair signature)

Approved by Curricula Committee: _____ Date: _____
                                     (Chair signature)

Approved by Faculty Senate: _____ Date: _____
                                     (Chair signature)

09/26/12

(Revised 9/12/2011)

Effective Year: 2013

CC File # $8280-2012 \cdot CpE - 416 - 20$

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:** Electrical and Computer Eng

2. **Discipline and Course Number:** **Present:** Cp Eng 416 **Proposed:**

3. **Course Title:** **Present:** ~~Cp Eng 416~~ Advanced Computer Architecture II
   Proposed:

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

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

   Present: (LEC 3.0) Continuation of Computer Engineering 415. Prerequisite: Cp Eng 415.

   Proposed:

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

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

7. **Prerequisites:**
      Present:

      Proposed:

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

9. **Justification:**   Course has not been taught since spring 2008. The instructor who normally taught this course has retired. The course is not expected to be offered in the future.

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: 9/5/12
                                  (Chair signature)
Recommended by Discipline Specific Curricula Committee _____   Date: _____
                                  (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                                  (Chair signature)
Approved by Faculty Senate: _____   Date: _____
                                  (Chair signature)

(Revised 1/29/09)

Effective Year: 2013   CC File # *221-2012-HIST-396-10*
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:** History and Political Science

2. **Discipline and Course Number:**   Present :   Proposed: History 396

3. **Course Title:**   Present:
   Proposed: History Research Seminar

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

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

   Proposed: The course focuses on advanced research methods, and each student will produce a substantial research paper in preparation for or to replace the senior thesis. The historical topic of the seminar for each semester will be chosen by the faculty member responsible for teaching it.

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

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

7. **Prerequisites:**
   Present:

   Proposed: Hist 299, junior or senior status

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

9. **Justification:** The initial experiences with the Hist 397 senior thesis were not entirely satisfactory. Many history majors need a more structured, classroom environment to produce the requisite level of historical scholarship our department deems necessary for our majors. The seminar will be an alternative to Hist 397, or students may take both.

10. **Semesters previously offered as an experimental course (101, 201, 301, 401):** new w/ major change

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: 9-10-12
                              (Chair signature)
Recommended by Discipline Specific Curricula Committee _____   Date: 5-17-12
                              (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                              (Chair signature)
Approved by Faculty Senate: _____   Date: _____
                              (Chair signature)

Effective Year: 2013
Effective Term: Summer ☐ **Fall** ☐ **Spring** ☒

CC File # *8282 -2012 - EMGT - 482 - 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:** Eng. Mgmt. & Sys. Eng.

2. **Discipline and Course Number:**   **Present :** EMgt 482   **Proposed:**

3. **Course Title: Present: Financial Engineering II**
                        Proposed:

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

4. **Catalog Description** *(40 Words or Less)*

   Present: This course introduces advanced topics in financial engineering, which includes introduction to Wienver processes, martingales and Ito's lemma; basic numerical methods for options pricing, exotic options; interest rate models; stochastic volatility models and jump-diffusion models; and value-at-risk.

   Proposed:

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

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

7. **Prerequisites:**
   Present: Eng Mgt/Sys Eng 481

   Proposed: Eng Mgt 481

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

9. **Justification:**   EMgt 352 is no longer offered.

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: 9/13/12
                        (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: 9/26/12
                        (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                        (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                        (Chair signature)

Effective Year: 2013
Term: Summer ☐ **Fall** ☐ **Spring** ☒

CC File # *8283-2012-EMGT.*
382.32

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:** EMSE

2. **Discipline and Course Number:** **Present :** 382   **Proposed:**

3. **Course Title:** **Present:** Intro to Operations Research
   Proposed:

   Abbreviated Course Title: Eng Mg 382
   (24 Spaces or Less. Only needed for New Courses or Title Changes.)

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

   Present: Mathematical methods for modeling and analyzing industrial systems, topics including linear programming, transportation models, and network models. Prerequisite: Stat 213 or 215.

   Proposed:

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

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

   Proposed: Lecture: Lab: Total:

7. **Prerequisites:**
   Present: Stat 213 or 215

   STAT
   Proposed: 215 or 217

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

9. **Justification:**

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) Sys En 382   2)   3)

4)   5)   6)

Recommended by Department _____   Date: 9/13/12
                                      (Chair signature)
Recommended by Discipline Specific Curricula Committee _____   Date: 9/26/12
                                      (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                                      (Chair signature)
Approved by Faculty Senate: _____   Date: _____
                                      (Chair signature)

(Revised 1/29/09)

Effective Year: 2013

Term: Summer ☐   Fall ☒   Spring ☐

CC File # *P284·2012·SysE-378-32*

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:** EMSE

2. **Discipline and Course Number:**   Present : SysEng 378   **Proposed:**

3. **Course Title: Present: Introduction to Neural Networks & Applications**
    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 artificial neural network architectures, adaline, madaline, back propagation, BAM, and Hopfield memory, counterpropagation networks, self organizing maps, adaptive resonance theory, are the topics covered. Students experiment with the use of artificial neural networks in engineering through semester projects.

   Proposed:

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

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

7. **Prerequisites:**
   Present: Math 204 or 229.

   Proposed: Math 204 or 229 and graduate standing.

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

9. **Justification:**   Simplify prerequisites, present list is redundant.

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) ECE368   2)   3)

    4)   5)   6)

Recommended by Department _____   Date: 9/13/12
                                                      (Chair signature)
Recommended by Discipline Specific Curricula Committee _____   Date: 9/24/12
                                                      (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                                                      (Chair signature)
Approved by Faculty Senate: _____   Date: _____
                                                      (Chair signature)

(Revised 1/29/09)

Effective Year: 2013
Effective Term: Summer ☐   **Fall** ☐   **Spring** ☒

CC File # *8285-2012-Emgt-481-32*

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:** Eng. Mgmt. & Sys. Eng.

2. **Discipline and Course Number:**   **Present :** EMgt 481   **Proposed:**

3. **Course Title: Present: Financial Engineering**
                    Proposed:

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

4. **Catalog Description** *(40 Words or Less)*

   Present: An introduction to financial engineering, with an emphasis on financial derivatives, including the future markets, the pricing of forwards and futures, forward rate agreements, interest and exchange rate futures, swaps, the options markets, option strategies, the binomial and Black-Scholes models for option valuation, the option Greeks, and volatility smiles.

   Proposed:

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

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

7. **Prerequisites:**
   Present: Eng Mgt 308, Eng Mgt 352; Eng Mgt 480 or Sys Eng 480 or equivalent.

   Proposed: Eng Mgt 137 or 308

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

9. **Justification:**   EMgt 352 is no longer offered.

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: 9/13/12
                            (Chair signature)

Recommended by Discipline Specific Curricula Committee _____ Date: 9/26/12
                            (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                            (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                            (Chair signature)

(Revised 1/31/08)

09/12/12

Effective Year: 2013

Term: Summer ☐   **Fall** ☐   **Spring** ☒

CC File # *8286 -2012 -SysE-*

4/2-32

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:** EMSE

2. **Discipline and Course Number:**   **Present :** SysEng 412   **Proposed:**

3. **Course Title:**   **Present:**   **Complex Engineering Systems Project Management**

    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: Complex Engineering Systems, issues specific to distributed project management, team development, resource management, constraint planning, development of Integrated Master Schedule and Integrated Master plan, monitoring technical performance, schedule, cost and risk are covered.

Proposed:

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

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

                            Proposed: Lecture: Lab: Total:

7. **Prerequisites:**

    Present: SysEng 368 and SysEng 468; can be taken concurrently with SysEng 468 with consent of instructor.

    Proposed: SysEng 468.

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

9. **Justification:**   Simplify prerequisites, present list is redundant.

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: 9/13/12

                                    (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: 9/26/12

                                    (Chair signature)

Approved by Curricula Committee: _____   Date: _____

                                    (Chair signature)

Approved by Faculty Senate: _____   Date: _____

                                    (Chair signature)

(Revised 1/29/09)

Effective Year: 2013

CC File # *ƒ287-2012-SysE-*
Y11-32

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:** EMSE

2. **Discipline and Course Number:**   **Present :** SysEng 411   **Proposed:**

3. **Course Title:**   **Present:**   Systems Engineering Capstone

                 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: The topics covered are; Systems Engineering Management Plan SEMP, Systems Engineering processes, process re-engineering, standards, actual systems enginnering case studies. Students will apply the skills and theory that they mastered in previous five core courses to the analyses of assigned cases.

   Proposed:

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

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

                      Proposed: **Lecture:**   **Lab:**   **Total:**

7. **Prerequisites:**

     Present: SysEng 368,468,469,412,413; can be taken concurrently with SysEng 469 with consent of instructor.

     Proposed: SysEng 412,469

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

9. **Justification:**   Simplify prerequisites, present list is redundant.

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: 9/13/12

                             (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: 9/26/12

                             (Chair signature)

Approved by Curricula Committee: _____   Date: _____

                             (Chair signature)

Approved by Faculty Senate: _____   Date: _____

                             (Chair signature)

(Revised 1/29/09)

Effective Year: 2013   CC File # *8288-2012-SysE-*
Term: Summer ☐   **Fall** ☐   **Spring** ☒   *469-32*

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:** EMSE

2. **Discipline and Course Number:**   **Present :** SysEng 469   **Proposed:**

3. **Course Title:**   **Present:**   **Systems Architecting**
                       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: The objective of the course is to provide the basic tools and concepts of architecting complex engineering systems. System Thinking, Ambuguity in System Architecting, Search as an Architecting Process, SysML and DoDAF Architecting Framework, System of Systems and Network- Centric Architectures.

   Proposed:

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

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

7. **Prerequisites:**
   Present: SysEng368 and SysEng468; can be taken concurrently with SysEng 468 with consent of instructor.

   Proposed: SysEng 468.

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

9. **Justification:**   Simplify prerequisites, present list is redundant.

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: 9/13/12
                                    (Chair signature)
Recommended by Discipline Specific Curricula Committee_____   Date: 9/26/12
                                    (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                                    (Chair signature)
Approved by Faculty Senate:_____   Date: _____
                                    (Chair signature)

(Revised 1/29/09)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

CC File # *8289·2012 - Emgt*
472 - 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:** Eng. Mgmt. & Sys. Eng.

2. **Discipline and Course Number: Present : EMgt 472   Proposed:**

3. **Course Title: Present: Lean Manufacturing Systems**
   Proposed: Lean Systems

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

4. **Catalog Description** (40 Words or Less)

   Present: Lean manufacturing is a total enterprise philosophy built on increasing the synergy between humans and technological systems. Use of various concepts such as flow, just-in-time, lead times, inventory turns, standardized work, pull system, value streams, quick changeover, workplace organization, and visual controls are covered to improve system performance.

   Proposed: Lean Systems embodies a total enterprise philosophy built on removing waste. Concepts such as flow, just-in-time, lead times, inventory turns, standardized work, pull system, value streams, quick changeover, workplace organization, and visual controls are discussed to improve system performance.

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

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

7. **Prerequisites:**
   Present: Graduate standing, and Eng Mg 372 or equivalent

   Proposed: Graduate standing

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

9. **Justification:**   Graduate standing is required for this course. EMgt 372 is not offered distance.

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: 9/13/12
                                          (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: 9/26/12
                                          (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                                          (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                                          (Chair signature)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

CC File # *8290 · 2012 - EMGT - 408-32*

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:** Eng. Mgmt. & Sys. Eng.

2. **Discipline and Course Number:**   Present : EMgt 408   **Proposed:**

3. **Course Title:**   Present: Financial Risk Management
                         Proposed:

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

4. **Catalog Description** *(40 Words or Less)*

   Present: Techniques and methods for managing financial risk, including portfolio theory, Monte Carlo methods, ARIMA, time series forecasting, Value-at-Risk, stress testing, extreme value theory, GARCH and volatility estimation, random variables and probability distributions, real options, decision trees, utility theory, statistical decision techniques, and game theory.

   Proposed:

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

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

7. **Prerequisites:**
   Present: Eng Mgt 308, 352, or equivalent.

   Proposed: Eng Mgt 137 or 308

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

9. **Justification:**   EMgt 352 is no longer offered.

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: 9/13/12
                              (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: 9/26/12
                              (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                              (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                              (Chair signature)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

CC File # *8291-2012-SysE-*
4/3-32

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:** EMSE

2. **Discipline and Course Number:**   **Present :** SysEng 413   **Proposed:**

3. **Course Title: Present: Economic Analysis of Systems Engineering**
                      Proposed:

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

4. **Catalog Description** (40 Words or Less)

   Present: Methods of economic evaluation for engineering projects involving complex systems. Economic impacts on choosing system alternatives, life cycle costing, economic decisions involving risk and uncertainty, and engineering cost estimation for projects in government defense and commercial industries.

   Proposed:

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

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

7. **Prerequisites:**
   Present: SysEng 368; can be taken concurrently with SysEng 368 with concent of instructor

   Proposed: SysEng 368.

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

9. **Justification:**   Simplify prerequisites, present list is redundant.

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: _9/13/10_
                              (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: _9-26-12_
                              (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                              (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                              (Chair signature)

(Revised 1/31/08)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

CC File #*8292* *2012-EMGT-452-32*

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:** Eng. Mgmt. & Sys. Eng.

2. **Discipline and Course Number:**   **Present :** EMgt 452   **Proposed:**

3. **Course Title: Present: Advanced Financial Management**
              Proposed:
    Abbreviated Course Title:
              (24 Spaces or Less. Only needed for New Courses or Title Changes.)

4. **Catalog Description** *(40 Words or Less)*

    Present: Principles of financial organization and management in the technological enterprise; demands for funds; internal and external supply of funds; budgetary control; reserve and dividends policy. Emphasizes systems approach and problems of engineering design and automation as they influence financial decisions.

    Proposed:

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

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

7. **Prerequisites:**
    Present: Eng Mgt 352.

    Proposed: Eng Mgt 137 or 308

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

9. **Justification:**   EMgt 352 is no longer offered.

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 ___*Dad Emle*___   Date: _9/13/12_
                              (Chair signature)

Recommended by Discipline Specific Curricula Committee ___*Stah Kapn*___   Date: _9/26/12_
                              (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                              (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                              (Chair signature)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

CC File # *8293*-*2012*-*EMGT*
480-32

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:** Eng. Mgmt. & Sys. Eng.

2. **Discipline and Course Number: Present :** EMgt 480   **Proposed:**

3. **Course Title: Present:** Investment
   Proposed:

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

4. **Catalog Description** *(40 Words or Less)*

   Present: An introduction to the theory and practice of investment, including financial markets and instruments, security trading, mutual funds, investment banking, interest rates, risk premiums, the capital asset pricing model, arbitrage pricing theory, market efficiency, bonds and the fixed income market, equity valuation, fundamental and technical analysis.

   Proposed:

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

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

7. **Prerequisites:**
   Present: Eng Mgt 208, 308, 352, or equivalent.

   Proposed: Eng Mgt 137 or 308

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

9. **Justification:**   EMgt 352 is no longer offered.

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: _9/13/12_
                                   (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: _9/26/12_
                                   (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                                   (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                                   (Chair signature)

Effective Year: 2013   **CC File # 8294-2012-IST354-33**
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 & Information Technol

2. **Discipline and Course Number:**   **Present :** IST 354   **Proposed:**

3. **Course Title:**   **Present:**   **Multi-media Development and Design**
              Proposed: Advanced Web and Digital Media Development

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

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

   Present: Students will learn current practices for development and design of interactive multimedia.
   The course covers tools for development of 2-D and 3-D graphics, video, audio, animation,
   and ingetrated multimedia invironments.

   Proposed: This course covers advanced techniques and tools for the design and development of web-
   based media, including text, graphics, animation, audio, and video. This course is an
   advanced version of Web and Digital Media Development, with additional assignments. No
   Credit for both IST 286 & IST 354.

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

6. **Credit Hours:**   **Present:**   **Lecture:** 3   **Lab:**   **Total:** 3.0
                        Proposed: **Lecture:**   **Lab:**   **Total:**

7. **Prerequisites:**
   Present: IST 51 or Comp Sci 53 or Comp Sci 73 or Comp Sci 74

   Proposed: Graduate Standing

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

9. **Justification:**   Course is being coordinated with IST 286. It will be required for the proposed
              Graduate Certificate in Digital Media.

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: 9-25-'13
                        (Chair signature)
Recommended by Discipline Specific Curricula Committee _____   Date: 9/26/12
                        (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                        (Chair signature)
Approved by Faculty Senate: _____   Date: _____
                        (Chair signature)

(Revised 1/29/09)

Effective Year: 2013
Term: Summer ☐   Fall ☐   Spring ☒

CC File # 8295-2012-IST352-33

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 & Information Technol

2. **Discipline and Course Number:**   **Present :** IST 352   **Proposed:**

3. **Course Title:**   **Present:** **Advanced Web Development**
                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: Advanced Web development techniques to provide dynamic interaction; methods for extracting and delivering dynamic information to/from Web servers -- a hands-on approach. Interaction with other Web servers, especially database servers, to obtain and deliver information. Project work is required.

   Proposed: Advanced Web development techniques to provide dynamic interaction; methods for extracting and delivering dynamic information to/from Web servers - a hands-on approach. Emphasis on interaction with servers; mobile software development; processing of graphics & web video. Project work is required.

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

6. **Credit Hours:**   **Present:**   **Lecture:** 3   **Lab:**   **Total:** 3.0
                  Proposed: **Lecture:**   **Lab:**   **Total:**

7. **Prerequisites:**
    Present: IST 286

    Proposed: IST 51, IST 286

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

9. **Justification:** Course will be elective in two new proposed Graduate Certificates. IST 286 used to have programming as a prerequisite, but no longer does. A basic knowledge of programming is needed, so the IST 51 prerequisite has been added.

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: 9-25-'12
                      (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: 9/26/12
                      (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                      (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                      (Chair signature)

(Revised 1/29/09)

Effective Year: 2013   **CC File # 8296-2012-IST386-34**
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 :** IST 386   **Proposed:**

3. **Course Title:**   **Present:**   **Human-Computer Interaction 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 covers designs, methods and tools for creating low and high fidelity prototypes of information technology systems, which is part of the iterative design cycle commonly used for the creation of usable information technologies.

   Proposed: This course covers methods and tools for creating low and high fidelity prototypes of IT systems as well as design concepts, including best practices and guidelines for different form factors (e.g., desktop vs. mobile).

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: IST 286 or web design experience; preceded or accompanied by IST 385

   Proposed:

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

9. **Justification:**   Course has been modified to keep up with technological change.

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: 9-25-12
                                    (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: 9/26/12
                                    (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                                    (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                                    (Chair signature)

(Revised 1/29/09)

Effective Year: 2013

CC File # 8297-2012-MKT 331-10

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 & Information Technol

2. **Discipline and Course Number:**   Present :   Proposed: MKT 331

3. **Course Title: Present:**
                        Proposed: Promotions Management

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

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

   Present:

   Proposed: A managerial examination of advertising techniques and how they affect decisions in advertising and sales promotion. Topics include setting advertising objectives and the budget, applying media tools, and developing advertisements.

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

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

7. **Prerequisites:**
   Present:

   Proposed: Psych 50

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

9. **Justification:**   Taught as MKT 301 in F11 & F12.

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: 9-15-'12
                        (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: 9/15/12
                        (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                        (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                        (Chair signature)

(Revised 1/29/09)

Effective Year: 2013   **CC File #** 8298#-2012-ERP341-33
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 341   **Proposed:**

3. **Course Title:**   **Present:**   **Enterprise Portal Application Development**
   Proposed: Enterprise Portal and Mobile Application Development

   Abbreviated Course Title: Portal & Mobile App Dev
       (24 Spaces or Less. Only needed for New Courses or Title Changes.)

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

   Present: This course provides a conceptual foundation and hands on experience in web based applications development deployed through an Enterprise Portal platform. SAP Netweaver Enterprise Portal and tools including Visual Composer and Web Dynpro will be used to develop the applications.

   Proposed: This course provides conceptual foundation and hands on experience in web based applications development deployed through an Enterprise Portal and Mobile platform. SAP Netweaver Enterprise Portal and tools including Visual Composer, Web Dynpro, and Sybase Unwired Platform will be used for apps.

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: Programming knowledge and either ERP 246 or preceded or accompanied by ERP 346.

   Proposed:

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

9. **Justification:**   Course has been modified to keep up with technological change.

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: 9-28-'12
                        (Chair signature)
Recommended by Discipline Specific Curricula Committee _____   Date: 10/2/12
                        (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                        (Chair signature)
Approved by Faculty Senate: _____   Date: _____
                        (Chair signature)

Effective Year: 2013   **CC File # 8299-2012-IST241-33**
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** : IST 241   **Proposed:**

3. **Course Title: Present: E-Commerce**
                 Proposed: Electronic and Mobile Commerce

   Abbreviated Course Title: E- & Mobile Commerce
         (24 Spaces or Less. Only needed for New Courses or Title Changes.)

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

   Present: Introduction to fundamental concepts of management and application to Information Technologies. This course examines the use of IT in business processes and the management issues of integrating IT into organization processes to gain a competitive advantage. Topics include: management; organizations

   Proposed: Introduction to fundamental concepts of management and application to IT and support of commerce. Examines the use of IT in business processes and the management issues of integrating IT into organization processes to gain a competitive advantage.

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: IST 50, IST 286

      Proposed: IST 50, At least Sophomore standing

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

9. **Justification:**   Course has been modified to keep up with technological change. IST 286 will no longer be needed as a prerequisite.

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: 9-26-'12
                                        (Chair signature)
Recommended by Discipline Specific Curricula Committee _____   Date: 10/2/12
                                        (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                                        (Chair signature)
Approved by Faculty Senate: _____   Date: _____
                                        (Chair signature)

                                                                      (Revised 1/29/09)

Effective Year: 2013

Term: Summer ☐   Fall ☐   Spring ☒

CC File # 8300-2012-IST-233-34

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 :** IST 233   **Proposed:**

3. **Course Title: Present: Introduction To Telecommunications Networks**
   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: The course provides an introduction to current and evolving telecommunications technologies, including voice, data and video. It includes network construction, operation and management; discussion of network technologies, standards and protocols; switching; area networks; and hands-on experience wit

   Proposed: The course provides an intro to current and evolving telecommunications technologies, including voice, data and video. Concepts include network technologies, standards and protocols; network construction, operation and management; switching; routing; area networks; and mobile network infrastructure.

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: IST 151 or Comp Sci 153

   Proposed:

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

9. **Justification:**   Course has been modified to keep up with technological change.

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: 9-26-'12
                              (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: 10/2/12
                              (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                              (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                              (Chair signature)

(Revised 1/29/09)

8301

Effective Year: 2013   CC File # 8302 2012-ERP-342-34
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 342   **Proposed:**

3. **Course Title:**   **Present:**   Customer Relationship Management in an ERP Environment
                        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: Identification (targeting), acquisition, retention, and development (expansion) of (profitable) customers. Effective and efficient management of customers with utilization of information technology. SAP CRM and SAS BI tools are used to enhance student education with real world applications.

   Proposed: The course emphasizes identification (targeting), acquisition, retention, and development (expansion) of (profitable) customers, as well as effective and efficient management of customers, using information technology. SAP CRM, SAS BI tools, and Sybase mobile application development are used.

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: ERP 246 or preceded or accompanied by ERP 346

   Proposed:

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

9. **Justification:**   Course has been modified to keep up with technological change.

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: 9-26-12
                                (Chair signature)
Recommended by Discipline Specific Curricula Committee _____   Date: 12/2/12
                                (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                                (Chair signature)
Approved by Faculty Senate: _____   Date: _____
                                (Chair signature)

(Revised 1/29/09)

Effective Year: 2013
Term: Summer ☐   **Fall** ☐   **Spring** ☒

CC File # 8302-2012-ERP-442-34

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 442   **Proposed:**

3. **Course Title:**   **Present:**   Advanced Customer Relationship Management in ERP Environment
                    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: Identification (targeting), acquisition, retention, and development (expansion) of (profitable) customers. Effective and efficient management of customers using IT. SAP CRM and SAS BI tools used to enhance student education with real world applications. Research paper and presentation required.

    Proposed: Identification (targeting), acquisition, retention, and development (expansion) of (profitable) customers. Effective and efficient mgmt of customers, using IT. SAP CRM, SAS BI tools, and Sybase mobile application development are used. Research paper and presentation required.

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: ERP 246 or preceded or accompanied by ERP 346

    Proposed:

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

9. **Justification:**   Course has been modified to keep up with technological change.
                    Note that students can't take both ERP 342 and ERP 442 for credit.

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: 9-26-12
                                (Chair signature)
Recommended by Discipline Specific Curricula Committee _____   Date: 10/2/12
                                (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                                (Chair signature)
Approved by Faculty Senate: _____   Date: _____
                                (Chair signature)

(Revised 1/29/09)

Effective Year: 2013

Term: Summer ☐   **Fall** ☐   **Spring** ☒

CC File # 8303-2012-ERP-347-33

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 347   **Proposed:**

3. **Course Title: Present: Supply Chain Management Systems**

   Proposed: Supply Chain Management Systems in an ERP Environment

   Abbreviated Course Title: Supply Chain in ERP

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

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

   Present: The course studies the need and challenges for supply chain integration with focus on the planning, analysis, design, development, and evaluation of supply chains in a ERP environment. SAP Supply Chain Management (SCM) or a similar system is used for project implementation.

   Proposed: The course studies the need for supply chain integration and the challenges of managing complex interfaces using the systems approach for the planning, analysis, design, development, and evaluation of supply chain. SAP's ERP ECC, SCM, BW, and Sybase Unwired Platform are used to deploy SCM apps.

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: ERP 246 or preceded or accompanied by ERP 346

   Proposed:

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

9. **Justification:**   Course has been modified to keep up with technological change.

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: 9-26-'12
                                    (Chair signature)

Recommended by Discipline Specific Curricula Committee _____   Date: 10/2/12
                                    (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                                    (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                                    (Chair signature)

(Revised 1/29/09)

Effective Year: 2013   **CC File # 8304-2012-ERP-348-33**
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 348   **Proposed:**

3. **Course Title:**   **Present:**   **Strategic Enterprise Management Systems**
                   Proposed: Performance Dashboard, Scorecard, and Data Visualization

    Abbreviated Course Title: Performance Visualizatio
              (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 different strategic performance management systems including dashboards, management cockpit, scorecards, and strategy maps in an organization. SAP's Strategic Enterprise Management (SEM), Business Objects Xcelsius, or similar tools will be used to enhance student education wit

   Proposed: This course will study different performance management systems including dashboards, management cockpit, scorecards, and strategy maps in an organization. SAP's BW, BusinessObjects Xcelsius, Crystal Reports, Sybase Unwired Platform will be used to develop the applications.

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: ERP 246 or preceded or accompanied by ERP 346

   Proposed:

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

9. **Justification:**   Course has been modified to keep up with technological change.

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: _9-26-'12_
                     (Chair signature)
Recommended by Discipline Specific Curricula Committee _____   Date: _10/2/12_
                     (Chair signature)
Approved by Curricula Committee: _____   Date: _____
                     (Chair signature)
Approved by Faculty Senate: _____   Date: _____
                     (Chair signature)

(Revised 1/29/09)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☒   Spring ☐

EC File # *2430-FS2013-Hist-301*

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved SP2009 or later allow the course to be offered twice at any time during the following three year period. After an experimental course has been offered twice, a CC form may be submitted to request a permanent course number.

A new course that is required as part of a degree program, minor, or graduate certificate may be submitted on a CC form to receive a permanent course number

Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: History and Political Science

Discipline and Course Number: HIST 301

Course Title: Women in the History of Science, Technology and Medicine

Abbreviated Title (24 spaces or less): Women History of STM

Instructor(s): Kathleen Sheppard

Credit Hours: **Lecture:** 3   **Lab:** 0   **Total:** 3

Prerequisites: HIST 112 or HIST 275

Semester(s) previously taught:

Brief Course Description: (40 words or less)
This course explores major issues women have dealt with in the practice of science, from the 1500s to the present. The course is reading and writing intensive.

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: _____ Date: 8/24/12
              (Chair Signature)

Discipline Specific Curricula Committee: _____ Date: 5/10/12
              (Chair signature)

Curricula Committee: _____ Date: _____
              (Chair Signature)

(Revised 10/12/2010)

08/27/12

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

EC File # *2431- Sp 2013 -*
Art 201

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: Arts, Languages, and Philosophy

Discipline and Course Number: Art 201

Course Title: ~~Art 201~~: Thematic Studies in Film and Philosophy

Abbreviated Title *(24 spaces or less)*: Film and Philosophy

Instructor(s): Andrew M. Tohline, Joel Dittmer

Credit Hours: Lecture: 3   Lab: 0   Total: 3

Prerequisites: Art 85 AND either one philosophy course or junior standing

Semester(s) previously taught: N/A

Brief Course Description: (40 words or less)
A study of special topics at the intersection of film and philosophy. Topics vary but may include films on the nature of reality, films on the problem of evil, films on concepts of consciousness and the self, and more.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.
1) Philosophy 201   .   2)   3)

4)   5)   6)

Department Chair: _____   Date: 9/5/2012
                                    (Chair Signature)

Discipline Specific Curricula Committee: _____   Date: 9/10/12
                                    (Chair signature)

Curricula Committee: _____   Date: _____
                                    (Chair Signature)

09/05/12

(Revised 1/31/2008)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

EC File # *2432 - Sp 2013 -*
Span 201

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms
approved SP2009 or later allow the course to be offered twice at any time during the following
three year period. After an experimental course has been offered twice, a CC form may be
submitted to request a permanent course number.

A new course that is required as part of a degree program, minor, or graduate certificate may
be submitted on a CC form to receive a permanent course number

Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: ALP

Discipline and Course Number: SPAN 201

Course Title: SPANISH PHONETICS: Pronunciation for English native speakers

Abbreviated Title (24 spaces or less): Spanish Phonetics

Instructor(s): Dr. Jorge Porcel

Credit Hours: Lecture: 3   **Lab:**   **Total:**

Prerequisites: Span 60

Semester(s) previously taught: NOT TAUGHT YET

Brief Course Description: (40 words or less)
SPANISH PHONETICS teaches native English-Speaking students how to improve their Spanish
pronunciation. It is designed for undergraduate students pursuing a minor in Spanish, who has little
or no knowledge of linguistics or phonetics of either Spanish or English. For maximum benefits, the
course should be taken early in the curriculum before poor pronunciation habits take root.

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: _____   Date: 9/5/2012
                        (Chair Signature)

Discipline Specific Curricula Committee: _____   Date: 9/10/12
                        (Chair signature)

Curricula Committee: _____   Date: _____
                        (Chair Signature)

09/04/12   (Revised 10/12/2010)

Spring 2013
M-W: 11:00 - 12:15 pm - Room: TBA

Missouri S&T

SPAN 201: Spanish Phonetics

Instructor: Dr. Jorge Porcel
E-Mail: porcelj@mst.edu
Office: 211 H-SS
Office Hours: TBA

Overview

Spanish 201 teaches native English-Speaking students how to improve their Spanish pronunciation. It is designed for undergraduate students pursuing a minor in Spanish, who has little or no knowledge of linguistics or phonetics of either Spanish or English. In general, such student has completed an introductory course track of 3 semesters (1.5 years) in Spanish language and grammar at MS&T. Therefore he/she has limited reading experience in Spanish and now seeks to refine his or her linguistic skills over the long term. For maximum benefits, the course should be taken early in the curriculum before poor pronunciation habits have had the chance to take root.

The course is taught *mainly* in Spanish. Textbook, reading material, exams, exercises, assignments, and class interactions will be conducted and required in Spanish. English will be used during lectures –and to the extent it is needed –*only* to introduce linguistics complex conceptualizations.

Goals

At the end of the semester, the student will know
- the main phonemic and phonetic contrasts between Spanish and English;
- how to describe and articulate the sounds of the standard Spanish system;
- what are the main instances of negative phonetic and phonemic transfer from English to Spanish and how to avoid such pronunciation errors.

Requirements

Spanish 80 or instructor's consent.

Evaluation

Exams –Midterm and Final: 30%
Quizzes: 20%
Homework: 20%
Assignments: 10%
Participation & Attendance: 20%

Required textbook

Morris, Richard E. (2010) *Pronunciación de la lengua española para anglohablantes.* Newburyport (MA): Focus Publishing/R. Pullins.

Ancillary material: Online pronunciation files:
http://www.leakyroofproductions.com/MORRIS/
(If you cut and paste the link as typed above, make sure you leave no space between "/" and "Morris" –i.e., it should be: /MORRIS/)

Grading Scale:
A: 100-90
B: 89-80
C: 79-70
D: 69-60
F: 59-0

1. Exams (30%): **Midterm** and **final** exams will be administered October 10 and December 5 during class time and they will be comprehensive. There will be no make-ups: if you miss or fail one exam it will count as your lowest grade. Exceptions will be considered only if you **inform** the instructor in advance **and provide** supporting documentation. In case of emergencies, supporting documentation has to be presented the class immediately after the absence.

2. Quizzes (20): The *Lecture Plan* specifies the date of the quizzes. The lowest grade in this category will be dropped. There will be no make-ups: if you miss or fail one exam it will count as your lowest grade. Exceptions will be considered only if you **inform** the instructor in advance **AND provide** supporting documentation. In case of emergencies, supporting documentation has to be presented the class immediately after the absence.

3. Homework (20): Part of the homework appears assigned in the *Lecture Plan* next to the subheadings *Preparación, Temas* and *Tarea.*

- ■ *Preparación* specifies what readings are required for the following class.
- ■ *Temas* points out the main topics, serving as a reading guide, to help the student to focus. I advise the student to familiarize with this section before reading and take notes relevant to the topics, during and after reading. That will help the student in several fronts: 1) it will ease class participation; 2) it will keep the material ready to study for quizzes and exams; 3) it will improve your Spanish.
- ■ *Tarea* assigns exercises for *pronunciation* practice and *transcription* exercises.

All transcriptions and exercises requiring writing will be collected and must be turned in **TYPED**. To type phonetic symbols use the following site http://ipa.typeit.org/full/. The instructor recommends you to go to the site, type the phonetic symbols that you will need, then copy and paste them into a document, so every time you have to do a transcription you don't have to go to the site to get the symbols.

Submission guidelines:
1) Assignments MUST be typed, using a #12 font and DOUBLE SPACED.
2) On the header of the page, please **TYPE** the following information
      Curso: Español 1
      Fecha: 28 de Agosto del 2012
      Estudiante: John Doe
      Título y página del ejercicio: **I. ¿Está bien equipado tu salón?** (p. 36) (Example from *Lecture Plan*: 8/28 –
      Tarea 2)
3) You can loose up to 20 points for not following these instructions.

Late submissions will be accepted **ONLY** the class immediately following the deadline, with a 10 points deduction. Handwritten submissions won't be accepted and the *late submission policy* will be applied. More than three *late submissions* will be considered systematic lateness and won't be accepted. Excuses such as "*I forgot my homework in my dorm*" or "*My printer stopped working*" are obviously unacceptable, and the *late submission policy* will be applied.

4. Assignments (10%): In order to assess progress, students are required to turn in 2 recordings of their best Spanish, reading an assigned list of words and a short reading passage. A brief self-assessment needs to be submitted by the student with each recording. The first recording is due on September 5 and the second on November 28.

Submission guidelines:
1) The recording will be submitted on an audio CD with the student's name and the number of the recording.
2) Since the purpose of this exercise is to compare performances, no partial points or credit will be assigned for partial completion. Therefore, students must to submit both recordings and both rubrics. Failure to turn in one part of the assignment will result in a grade of zero for the whole category.

4. Class participation: Active participation in class activities is crucial for the development of language skills. Students are expected to participate willingly and actively in all activities and they also are expected to make every effort to communicate in Spanish during class time. Your oral participation grade will be based on your positive contribution to class. It is expected that every student will:

1) Make a sustained effort to use only Spanish in class;
2) Come to class on time, prepared and, voluntarily participate in all activities;
3) Observe an attentive, cooperative, respectful and affable behavior.
4) Shut down all electronic devices before the beginning of class. Engaging in texting during class time is considered a disturbing behavior and disciplinary measures will be applied.

Attendance is mandatory. Students who miss a class should find out what was explained, instructed, and assigned during that class.

Attendance policy:
Students are allowed to miss up to 3 class sessions (excused or unexcused). The fourth absent will result in a 50% deduction of the attendance grade. The fifth absent will result in a 100% deduction of the attendance grade. The sixth absent will result in a 50% deduction of the participation grade. The seventh will result in a 100% deduction of the participation grade. Exceptions will be considered ONLY if at least 2 of the first 3 (non-penalized absences) are justified. Documentation will be required.
After the seventh absence the student **WILL BE DROPPED** from the course.

DISCIPLINE POLICY

1. Students should be punctual and should not leave until class is dismissed. Students who have more than 7 absences will be dropped. Tardiness is considered a disruptive behavior. After the third, each late arrival will be counted as one absence.

2. Common courtesy is expected at all times. Disruptive behavior (such as uncooperativeness, texting, talking or using the internet without instructor's consent) will affect student's grade. A systematic pattern of disruption will not be tolerated.

3. Each student must have a copy of the textbook **and bring it every class**. Students who do not bring their book to class will be asked to leave and the absence considered unjustified.

4. Cheating or acting as if you were cheating –or any type of academic dishonesty, such as copying homework's answers from a classmate– will result in severe disciplinary actions for both students.

5. Personal matters or concerns –such as absences, make-ups, personal grades, etc.– are supposed to be addressed outside the classroom. Please, do not bring those concerns right before the class start.

GENERAL UNIVERSITY POLICIES
The instructor strongly recommends students to become familiar with the following policies and services:
1. Students not meeting the academic course standards or not following course policies will receive an early warning through the *Academic Alert System* http://academicalert.mst.edu/
2. Students with special needs are encouraged to review the *Disability Support Services* policy at (http://counsel.mst.edu/) and contact the instructor to address needs or concerns. Reasonable efforts will be made to accommodate the needs of these students.
3. Academic dishonesty will be dealt with severely. Please revise the guidelines of academic honesty at *Student Academic Regulations* (p. 29)

This syllabus represents my best effort to project the design of this course. Nonetheless, I reserve the right to modify any aspect of the course as the need arises.

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

EC File # *2433 -Sp 2013 -MSE*
301

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved SP2009 or later allow the course to be offered twice at any time during the following three year period. After an experimental course has been offered twice, a CC form may be submitted to request a permanent course number.

A new course that is required as part of a degree program, minor, or graduate certificate may be submitted on a CC form to receive a permanent course number

Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: Materials Science & Engineering

Discipline and Course Number: MSE 301

Course Title: Integrated Computational Materials Engineering

Abbreviated Title *(24 spaces or less)*: Int Comput Mater Eng

Instructor(s): Mohsen Asle Zaeem

Credit Hours: **Lecture:** 3   **Lab:**   **Total:**

Prerequisites: Math 204; Met 204; Met 217; Cer 259

Semester(s) previously taught: 0

Brief Course Description: (40 words or less)
The primary objective of this course is to introduce different computational tools for the study of materials at different length scales. Atomistic, mesoscale, and continuum models will be introduced and bridging between different modeling scales will be discussed.

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: _____   Date: _9/10/12_
                                (Chair Signature)

Discipline Specific Curricula Committee: _____   Date: _9/26/12_
                                (Chair signature)

Curricula Committee: _____   Date: _____
                                (Chair Signature)

09/10/12   (Revised 10/12/2010)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

EC File #𝘥𝘺𝟥𝘺-𝘚𝘱𝟤𝟢𝟣𝟥 - Chem -
40/

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved SP2009 or later allow the course to be offered twice at any time during the following three year period. After an experimental course has been offered twice, a CC form may be submitted to request a permanent course number.

A new course that is required as part of a degree program, minor, or graduate certificate may be submitted on a CC form to receive a permanent course number

Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: Chemistry

Discipline and Course Number: Chem 401

Course Title: Solid-State and Materials Chemistry

Abbreviated Title (24 spaces or less): Solid-State Chemistry

Instructor(s): Amitava Choudhury

Credit Hours: Lecture: 3.0   **Lab:**   **Total:** 3.0

Prerequisites: CHEM 331 or CHEM 346.

Semester(s) previously taught: NA

Brief Course Description: (40 words or less)
The aim of this course is to build a comprehensive understanding of the chemistry of solids and its application to the materials world. Emphasis will be given on the synthesis, structure and various properties of solids including electrical, optical and magnetic. Students will gain knowledge about how to correlate a property with structure and tune those properties for a particular application.

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: _____   Date: 9-10-2012
(Chair Signature)

Discipline Specific Curricula Committee: _____   Date: 10-4-2012
(Chair Signature)

Curricula Committee: _____   Date: _____
(Chair Signature)

09/06/12   (Revised 10/12/2010)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

EC File # *2435 - Sp 2013 - French - 401*

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved SP2009 or later allow the course to be offered twice at any time during the following three year period. After an experimental course has been offered twice, a CC form may be submitted to request a permanent course number.

A new course that is required as part of a degree program, minor, or graduate certificate may be submitted on a CC form to receive a permanent course number

Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: ALP

Discipline and Course Number: FR301

Course Title: Contemporary Francophone Literature

Abbreviated Title (24 spaces or less):

Instructor(s): Audra Merfeld-Langston

Credit Hours: Lecture: 3   Lab: Total: 3

Prerequisites: FR 170
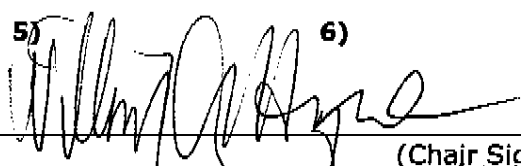
Semester(s) previously taught:

Brief Course Description: (40 words or less)
Studies in Francophone literature (fiction and non-fiction) published within the last fifteen years. Readings, lectures, and discussions are in French.

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: _____   Date: 9-17-12
                         (Chair Signature)

Discipline Specific Curricula Committee: _____   Date: 9-17-12
                                   (Chair signature)

Curricula Committee:_____   Date: _____
                         (Chair Signature)

09/17/12   (Revised 10/12/2010)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

EC File # 2436-Sp2013-BioSci-401

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved SP2009 or later allow the course to be offered twice at any time during the following three year period. After an experimental course has been offered twice, a CC form may be submitted to request a permanent course number.

A new course that is required as part of a degree program, minor, or graduate certificate may be submitted on a CC form to receive a permanent course number

Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: Biological Sciences

Discipline and Course Number: BioSci 401

Course Title: Advanced Sleep Biology

Abbreviated Title *(24 spaces or less)*: Adv Sleep Bio

Instructor(s): Matthew Thimgan

Credit Hours: Lecture: 3   **Lab:** 0   **Total:** 3

Prerequisites: ~~Bio 410~~ NoNE

Semester(s) previously taught: 0
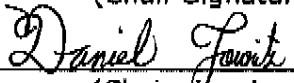
Brief Course Description: (40 words or less)
Students will analyze and present primary literature regarding the anatomy and molecular mechanisms that underlie sleep regulation in both humans and model organisms. Moreover, students will use epidemiolgical studies to understand the role of inadequate sleep on health and cognitive performance.

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: _____   Date: _____
                              (Chair Signature)

Discipline Specific Curricula Committee: _Daniel Frouit_____   Date: 10-4-2012
                              (Chair signature)

Curricula Committee: _____   Date: _____
                              (Chair Signature)

09/19/12

(Revised 10/12/2010)

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

EC File #*2437-Sp2013-Chem-201*

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved SP2009 or later allow the course to be offered twice at any time during the following three year period. After an experimental course has been offered twice, a CC form may be submitted to request a permanent course number.

A new course that is required as part of a degree program, minor, or graduate certificate may be submitted on a CC form to receive a permanent course number

Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: Chemistry

Discipline and Course Number: Chem 201

Course Title: Undergraduate Peer-Learning Assistant Practicum

Abbreviated Title *(24 spaces or less)*: PLA Practicum

Instructor(s): EmmaLou Satterfield

Credit Hours: **Lecture:** RSD 1.0   **Lab:**   **Total:** RSD 1.0

Prerequisites: Consent of instructor required.

Semester(s) previously taught: None

Brief Course Description: (40 words or less)
Undergraduate student under guidance of a faculty supervisor, will implement effective active-learning strategies that adapt to educational technology and collaborative learning. Student will maintain professional standards established by the American Chemical Society.

AS

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: _____   Date: 9-21-12
                          (Chair Signature)

Discipline Specific Curricula Committee: _____   Date: 10/8/2012
                          (Chair signature)

Curricula Committee: _____   Date: _____
                          (Chair Signature)

(Revised 10/12/2010)

09/21/12

Effective Year: 2013
Effective Term: Summer ☐   Fall ☐   Spring ☒

EC File # 2439-SP13-IST-301

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved SP2009 or later allow the course to be offered twice at any time during the following three year period. After an experimental course has been offered twice, a CC form may be submitted to request a permanent course number.

A new course that is required as part of a degree program, minor, or graduate certificate may be submitted on a CC form to receive a permanent course number

Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: Bus and Info Tech

Discipline and Course Number: IST 301

Course Title: Intro To Data Warehouses

Abbreviated Title *(24 spaces or less)*: Intro Data Warehouses

Instructor(s): Yu

Credit Hours: **Lecture:** 3.0   **Lab:**   **Total:** 3.0

Prerequisites: IST 223 or relational database experience

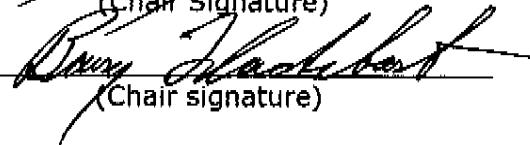**Semester(s) previously taught:**

Brief Course Description: (40 words or less)

This course introduces the topic of data warehouses and the value to the organization. It takes the student from the database platform to structuring a data warehouse environment. Focus is placed on simplicity and addressing the user community needs. Co-taught with IST 444, but with fewer projects. Can't take both for credit.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.
1) ERP 301   2)   3)

4)   5)   6)

Department Chair: _____   Date: 10/3/12
                              (Chair Signature)

Discipline Specific Curricula Committee: _____   Date: 10/4/12
                              (Chair signature)

Curricula Committee: _____   Date: _____
                              (Chair Signature)

10/03/12   (Revised 10/12/2010)

Effective Year: 2013   DC # *0417 - 2012 - Emgt - 000-00*
Effective Term: Summer ☐   Fall xx☐   Spring ☐
(Creating or modifying a degree program must be effective for a Fall term)

Degree Change Form (DC)

This form is to be used for creating or modifying degree programs, emphasis areas, and minors.

Title of degree program, emphasis area, or minor:
Engineering Management

Department: EMSE

Briefly describe action requested (Attach documentation as appropriate):
Emgt ←   Add ~~EMSE~~ 213 (new 3 credit hour course CC submitted with this request) to the current 26 credit hours of required Engineering Management core courses. Concurrent to this change, the Industrial Engineering, Management of Technology and General Emphasis areas will remove 3 credit hours of EMSE technical electives (Separate DC forms submitted with this request). See attached documentation.

Recommended by Department: _____   Date: 2/27/12
                                                          (Chair signature)

Recommended by: _____   Date: 8/26/12
Discipline Specific Curricula Committee   (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                                                          (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                                                          (Chair signature)

02/27/12   (Revised 9/12/2011)

Effective Year: 2013
Effective Term: Summer ☐   **Fall** xx☐   **Spring** ☐
(Creating or modifying a degree program must be effective for a Fall term)

DC #*0419-2012-Emgt-coo-00*

Degree Change Form (DC)

This form is to be used for creating or modifying degree programs, emphasis areas, and minors.

Title of degree program, emphasis area, or minor:
Industrial Engineering Emphasis Area

Department: EMSE

Briefly describe action requested (Attach documentation as appropriate):
The Industrial Engineering Emphasis area credit hour requirements will change from 21 credit hours to 18 credit hours. This change is being made in order to add a new 3 credit hour course (EMSE 213) to the current 26 credit hours of EMSE required core courses. The 12 credit hours of required courses (EMSE 257, 311, 356 and 382) will not change. The EMSE technical electives will be reduced to 6 credit hours from the current required 9 credit hours. This change enables EMSE to maintain 3 credit hours of Free Electives as a part of the 128 required credit hours.

Emgt
Emgt

Recommended by Department: _____   Date: 2/27/12
                              (Chair signature)

Recommended by: _____   Date: 8/26/12
Discipline Specific Curricula Committee   (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                                   (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                               (Chair signature)

02/27/12   (Revised 9/12/2011)

Effective Year: 2013
Effective Term: Summer ☐   **Fall** xx☐   **Spring** ☐   DC #*0420-2012-Cmgt-000-00*
(Creating or modifying a degree program must be effective for a Fall term)

Degree Change Form (DC)

This form is to be used for creating or modifying degree programs, emphasis areas, and minors.

Title of degree program, emphasis area, or minor:
General Emphasis Area

Department: EMSE

Briefly describe action requested (Attach documentation as appropriate):
The General Emphasis area credit hour requirements will change from 21 credit hours to 18 credit hours. This change is being made in order to add a new 3 credit hour course (~~EMSE~~ 213) to the *Emg +* current 26 credit hours of EMSE required core courses. The 15 credit hours Engineering Area Courses (Engineering Discipline) will remain the same. The EMSE technical electives will be reduced to 3 credit hours from the current required 6 credit hours. This change enables EMSE to maintain 3 credit hours of Free Electives as a part of the 128 required credit hours.

Recommended by Department: _____   Date: 2/27/12
                                           (Chair signature)

Recommended by: _____   Date: 8/24/12
Discipline Specific Curricula Committee   (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                                         (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                                        (Chair signature)

02/27/12

(Revised 9/12/2011)

2013

Effective Year: ~~2012~~
Effective Term: Summer ☐   **Fall** xx☐   **Spring** ☐
(Creating or modifying a degree program must be effective for a Fall term)

DC # *0429- 2012 - Emgt - 000 -00*

Degree Change Form (DC)

This form is to be used for creating or modifying degree programs, emphasis areas, and minors.

Title of degree program, emphasis area, or minor:
Change of "Free Elective Footnote" paragraph, page 139 of current catalog

Change of Footnote 3 in current catalog – Free Electives

Department: EMSE

Briefly describe action requested (Attach documentation as appropriate):

The second sentence of the Free Elective Footnote paragraph currently states: "Each student is required to take six hours of free electives in consultation with his/her academic advisor."

The second sentence should be changed to: "Each student is required to take three hours of free electives in consultation with his/her academic advisor." The remaining sentences in the paragraph should remain the same.

The first sentence of Footnote 3 currently states the following: "Each student is required to take six hours of free electives in consultation with his/her academic advisor."

The first sentence should be changed to the following: "Each student is required to take three hours of free electives in consultation with his/her academic advisor."

The remaining sentences/statements of the Footnote 3 will remain the same.

Recommended by Department: _____   Date: 3/28/12
                                            (Chair signature)

Recommended by: _____   Date: 8/26/12
Discipline Specific Curricula Committee   (Chair signature)

Approved by Curricula Committee: _____   Date: _____
                                            (Chair signature)

Approved by Faculty Senate: _____   Date: _____
                                            (Chair signature)

03/28/12   (Revised 9/12/2011)