Minutes
Campus Curricula Committee Meeting
February 6, 2013
12 pm, Room 117 Fulton Hall

Attendees: Lahne Black, Barry Flachsbart, Irina Miyeva, Keith Nisbett, Tom Schuman, Daniel Tauritz, and Jennifer Thorpe.

The following curriculum forms were discussed and approved:

**Degree Change Forms:**
- DC #0442
- DC #0444
- DC #0445
- DC #0446
- DC #0447
- DC #0448
- DC #0449

**Course Change Forms:**
- CC #8314
- CC #8315
- CC #8316
- CC #8317
- CC #8318
- CC #8319
- CC #8320
- CC #8321
- CC #8322
- CC #8323
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- CC #8357
- CC #8358
- CC #8359
- CC #8360
- CC #8361
- CC #8362
- CC #8363
- CC #8364

**Experimental Course Forms:**
- EC #2449
- EC #2453
- EC #2454
- EC #2455
- EC #2456
- EC #2457
- EC #2458
The items below remained tabled pending further action/clarification to be provided by the academic department responsible for each:

CC #8307, Explosives Engineering 411, Research Methods.

CC #8425, Mining Engineering 476, Sustainability In Mining.

CC #8426, Mining Engineering 424, Underground Mine Design.

CC #8427, Mining Engineering 426, Surface Mine Design.

The following form was withdrawn by the academic department responsible:

DC #0440, Mining Engineering, Master of Engineering in Mining Engineering.

The meeting adjourned at 1:10 pm.

Daniel Tauritz
Chair
Missouri S&T Campus Curricula Committee
Effective Year: 2013  Effective Term: Summer  □  Fall  □  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:
B.S. in Computer Science

Department: Computer Science

Briefly describe action requested (attach documentation as appropriate):
Require a C or higher in all Comp Sci courses counting towards graduation as well as a C or higher in Comp Eng 111, Comp Eng 213, and the required ethics elective.

To accomplish this, modify the catalog by replacing the following three paragraphs:

All computer science majors must earn a "C" or better grade in each of the following courses: Cmp Sc 53, Cmp Sc 54, Cmp Sc 153, Cmp Sc 128, and Cmp Sc 253.

All computer science majors must earn a minimum cumulative grade point average of 2.00 for all computer science courses presented to satisfy the required and elective computer science requirements.

All computer science majors must earn a minimum cumulative grade point average of 2.00 for all computer science courses taken at Missouri S&T which are presented to satisfy the required and elective graduation requirements.

with the following single paragraph:

All computer science majors must earn at least two grade points per credit hour in all Comp Sci courses counting towards their B.S. in Computer Science degree, as well as in Comp Eng 111, Comp Eng 213, and the required ethics elective.

Recommended by Department:  [Signature] Date: 11/19/12

Recommended by DSCC:  [Signature] Date: 11/19/12

Approved by Curricula Committee:  [Signature] Date: 2/18/2013

Approved by Faculty Senate:  [Signature] Date:  

Revised November 2012
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:
Bachelor of Science in Architectural Engineering

Department: Civil, Architectural & Environmental Engineering

Briefly describe action requested (Attach documentation as appropriate):

Revise the Technical Electives in the Undergraduate Degree Program to reflect the following (see attached document – Appendix A)

Recommended by Department: ____________________________
(Chair signature) Date: 11/26/12

Recommended by: ____________________________
Discipline Specific Curricula Committee (Chair signature) Date: 01/17/13

Approved by Curricula Committee: ____________________________
(Chair signature) Date: 02/18/13

Approved by Faculty Senate: ____________________________
(Chair signature) Date: ________

(Revised 9/12/2011)
Appendix A

Emphasis Areas and Course Listings by Area for Architectural Engineering Students

<table>
<thead>
<tr>
<th>Current</th>
<th>Revised</th>
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</thead>
<tbody>
<tr>
<td><strong>Area I, Structural Engineering</strong></td>
<td><strong>Area I, Structural Engineering</strong></td>
</tr>
<tr>
<td>ArchE 301 Structural Dynamics</td>
<td>ArchE 301 Structural Masonry Design</td>
</tr>
<tr>
<td>ArchE 320 Structural Analysis II</td>
<td>ArchE 320 Structural Analysis II</td>
</tr>
<tr>
<td>ArchE 322 Analysis and Design of Wood Structures</td>
<td>ArchE 322 Analysis and Design of Wood Structures</td>
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<tr>
<td>ArchE 323 Classical and Matrix Meth Struct Anal</td>
<td>ArchE 323 Computer Methods of Structural Anal</td>
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<tr>
<td>ArchE 326 Advanced Steel Structures Design</td>
<td>ArchE 326 Advanced Steel Structures Design</td>
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<tr>
<td>ArchE 327 Advanced Concrete Structures Design</td>
<td>ArchE 327 Advanced Concrete Structures Design</td>
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<tr>
<td>ArchE 328 Prestressed Concrete Design</td>
<td>ArchE 328 Prestressed Concrete Design</td>
</tr>
<tr>
<td>ArchE 329 Foundation Engineering II</td>
<td>ArchE 329 Foundation Engineering II</td>
</tr>
<tr>
<td>ArchE 3XX Masonry Engineering</td>
<td>ArchE 374 Infrast. Strengthening with Composites</td>
</tr>
<tr>
<td>ArchE 374 Infrast. Strengthening with Composites</td>
<td>ArchE 384 Structural Dynamics</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th><strong>Area II, Construction Engineering and Project Management</strong></th>
<th><strong>Area II, Construction Engineering and Project Management</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ArchE 345 Construction Methods</td>
<td>ArchE 342Const. Planning and Scheduling Strategies</td>
</tr>
<tr>
<td>ArchE 346 Management of Construction Costs</td>
<td>ArchE 345 Construction Methods</td>
</tr>
<tr>
<td>ArchE 349 Eng and Constr Contract Specs</td>
<td>ArchE 346 Management of Construction Costs</td>
</tr>
<tr>
<td>Eng Mg 211 Managing Engineering and Technology</td>
<td>ArchE 348 Green Engr. Analysis of Const. Facilities</td>
</tr>
<tr>
<td>Eng Mg 252 Financial Management</td>
<td>ArchE 349 Engineering and Construct Contract Specs</td>
</tr>
<tr>
<td>Eng Mg 313 Human Relations in Technical Management</td>
<td>Eng Mg 252 Financial Management</td>
</tr>
<tr>
<td>Eng Mg 364 Value Analysis</td>
<td>Eng Mg 313 Human Relations in Tech. Management</td>
</tr>
<tr>
<td>Eng Mg 375 Total Quality Management</td>
<td>Eng Mg 364 Value Analysis</td>
</tr>
<tr>
<td></td>
<td>Eng Mg 375 Total Quality Management</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Area III, Environmental Systems for Buildings</strong></th>
<th><strong>Area III, Environmental Systems for Buildings</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Mechanical Emphasis Courses</strong></td>
<td><strong>Mechanical Emphasis Courses</strong></td>
</tr>
<tr>
<td>ArchE 3XX Building Performance and Systems Optimization</td>
<td>ArchE 301 Passive Solar Engineering</td>
</tr>
<tr>
<td>Mc Eng 375 Mech Systems for Environ Control</td>
<td>ArchE 366 Indoor Air Pollution</td>
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<tr>
<td></td>
<td>ArchE 372 Residential Renewable Energy Systems</td>
</tr>
<tr>
<td>El Eng 235 Controllers for Factory Automation</td>
<td></td>
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<tr>
<td>El Eng 282 Electronic Circuits and Machines</td>
<td></td>
</tr>
<tr>
<td>El Eng 283 Electronics for Instrumentation</td>
<td></td>
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<tr>
<td>Cp Eng 111/112 Intro to Computer Eng</td>
<td></td>
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</tbody>
</table>

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<tr>
<th><strong>Area IV, Construction Materials</strong></th>
<th><strong>Area IV, Construction Materials</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cv Eng 313 Composition &amp; Properties of Concrete</td>
<td>Cv Eng 313 Composition &amp; Properties of Concrete</td>
</tr>
<tr>
<td>Cv Eng 317 Pavement Design</td>
<td>Cv Eng 318 Smart materials and Sensors</td>
</tr>
<tr>
<td>Arch E 3XX Special Concretes</td>
<td>Cv Eng 356 Concrete Pavement Design</td>
</tr>
<tr>
<td>Ch Eng 381 Corrosion and Its Prevention</td>
<td>Cr Eng 377 Principles of Engineering Materials</td>
</tr>
</tbody>
</table>

(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.)

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:
B.S. in Information Science and Technology

Department: Business and Information Technology

Briefly describe action requested (attach documentation as appropriate):
The required courses BUS 397 (1 credit) and BUS 398 (2 credits) will be replaced with BUS 396 - Business Models for Entrepreneurship and Innovation (3 credits). Bus 396 requires a "C" or better grade.
(BUS 396 will be planned for the second semester of the Senior Year; this will be illustrated on a separate DC Form with Catalog Changes - to be submitted.)

Recommended by Department: ___________________________ Date: 1/4/2013

Recommended by DSCC: ___________________________ Date: 1/18/13

Approved by Curricula Committee: ___________________________ Date: 2/8/2013

Approved by Faculty Senate: ___________________________ Date: ______________

(Chair signature) (Chair signature) (Chair signature)

Revised November 2012
Effective Year: 2013   Effective Term: Summer ☐ Fall ☒ 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:
B.S. in Business and Management Systems

Department: Business and Information Technology

Briefly describe action requested (attach documentation as appropriate):
The required courses BUS 397 (1 credit) and BUS 398 (2 credits)
will be replaced with BUS 396 - Business Models for Entrepreneurship and Innovation (3 credits).
BUS 396 requires a "C" or better grade.
(BUS 396 will be planned for the second semester of the Senior Year; this will be illustrated on a
separate DC Form with Catalog Changes - to be submitted.)

Recommended by Department: ___________________ Date: 1/14/13
(Chair signature)

Recommended by DSCC: ___________________ Date: 1/18/13
(Chair signature)

Approved by Curricula Committee: ___________________ Date: 1/28/13
(Chair signature)

Approved by Faculty Senate: ___________________ Date: ________
(Chair signature)

Revised November 2012
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: Global Sustainable Economics

Department: Economics

Briefly describe action requested (Attach documentation as appropriate):
A new Minor in Global Sustainable Economics is proposed, replacing the deleted Minor in Sustainable Business (Department of Business and Information Technology).

Required courses:
1) Econ 121 and 221-Principles of Microeconomics and Intermediate Microeconomics Theory
2) Econ 122 and 222-Principles of Macroeconomics and Intermediate Macroeconomics Theory
3) Econ 342-Foundations of Sustainability

and 6 hours from the following:
Econ/Min Eng 270-Mining Industry Economics
Econ 340-Environmental and Natural Resources Economics
Econ 344-Introduction to Global Eco- and Social-Preneurship and Innovation
Econ 351-Economic Development
Econ 355-Energy Economics
EnvE 360-Environmental Law and Regulation
EnvE 365-Sustainability, Population, Energy, Water, and Materials
Hist 361-American Environmental History
Psych 315-Environmental Psychology

Recommended by Department: [Signature]
Date: 1/11/13

Recommended by:
Discipline Specific Curricula Committee: [Signature]
Date: 1/18/13

Approved by Curricula Committee: [Signature]
Date: 2/8/2013

Approved by Faculty Senate: [Signature]
Date: ______

01/09/13

(Revised 1/31/2008)
Recommended by Department: [Signature]  Date: 1/14/13
(Civil Engineering)

Recommended by Department: [Signature]  Date: 1/10/13
(History)

Recommended by Department: [Signature]  Date: 1/14/13
(Psychology)
Effective Year: 2013  Effective Term: Summer ☐ Fall ☑ 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:
Business and Management Systems, Minor in Sustainable Business

Department: Business and Information Technology, Business & Mgt Systems

Briefly describe action requested (attach documentation as appropriate):
This Minor will be phased out and no new students will be allowed to apply for it after the Summer 2013 semester. The Economics Department will probably establish a new Minor in the Sustainability area and they will control applications to their Minor.

Students previously enrolled in the Minor will be allowed to finish, but some course substitutions may be necessary, since several of the courses involved in the Minor have been dropped from BUS and equivalent courses established in Economics.

Recommended by Department: [Signature]  Date: 1/15/2013

Recommended by DSCC: [Signature]  Date: 1/16/2013

Approved by Curricula Committee: [Signature]  Date: 2/8/2013

Approved by Faculty Senate: [Signature]  Date: 

Revised November 2012
Effective Year: 2013  Effective Term: Summer ☐  Fall ☒  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: 
Minor in Enterprise Resource Planning (ERP)

Department: Business and Information Technology, IST Program

Briefly describe action requested (attach documentation as appropriate): 
We continue to expand the elective courses appropriate for the ERP Minor. The revised Minor will require:
• BUS 120-Financial Accounting
• ERP 246-Introduction to ERP
• ERP 346-ERP Systems Design and Implementation
And 6 hours of electives from any other ERP-designated courses at the 300-level.

The existing Minor specifies four specific courses for the elective 6 hours.

Recommended by Department:  Date: 12/24/12

Recommended by DSCC:  Date: 1/8/13

Approved by Curricula Committee:  Date: 2/8/2013

Approved by Faculty Senate:  Date:

Revised November 2012
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: **Computer Science**

2. Discipline and Course Number: Present: **Comp Sci 128**
   Proposed:

3. Course Title: Present: **Discrete Mathematics For Computer Science**
   Proposed:

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

4. Catalog Description (360 character spaces or less.)
   Present: **A rigorous treatment of topics from discrete mathematics which are essential to computer science. Principal topics include: formal logic (propositional & predicate), proof techniques, mathematical induction, program correctness, sets, combinatorics, probability, relations, functions, matrices, graph theory and graph algorithms.**
   Proposed:

5. If course requires field trip check box: □

6. Credit Hours: Present: **Lecture 3.0 Lab 0 Total 3**
   Proposed: **Lecture Lab Total**

7. Prerequisites:
   Present: **Comp Sci 53 or at least sophomore standing**
   Proposed: **A*C or higher for Comp Sci 53 or at least sophomore standing**

8. Required for Majors: □
   Elective for Majors: □

9. Justification: **To ensure sufficient mastery of the prerequisite course content.**

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

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1) □
   2) □
   3) □
   4) □
   5) □
   6) □

Recommended by Department: (Chair signature) Date: **Dec 21, 12**
Recommended by DSCC: (Chair signature) Date: **11/7/2013**
Approved by Curricula Committee: (Chair signature) Date: **2/18/2013**
Approved by Faculty Senate: (Chair signature) Date: **[Blank]**

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 206 Proposed:

3. Course Title: Present: Software Engineering Proposed:

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

4. Catalog Description (360 character spaces or less.)

    Present: Development of methodologies useful in the software engineering classical life cycle. This includes: requirements, design, implementation, and testing phases. These methodologies are reinforced through utilization of a CASE tool and a group project.

    Proposed:

5. If course requires field trip check box: [ ]

6. Credit Hours: Present: Lecture 3.0 Lab 0 Total 3.0

    Proposed: Lecture Lab Total

7. Prerequisites:

    Present: Comp Sci 253 and at least junior standing

    Proposed: A' or higher in Comp Sci 253 and at least junior standing

8. Required for Majors: [ ] Elective for Majors: [ ]

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

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

    1) [ ]
    2) [ ]
    3) [ ]
    4) [ ]
    5) [ ]

Recommended by Department: [Signature] Date: 12/21/12

Recommended by DSCC: [Signature] Date: 1/17/2013

Approved by Curricula Committee: [Signature] Date: 2/19/2013

Approved by Faculty Senate: [Signature] Date: [ ]

(Revised October 2012)
Effective Year: 2013  Effective 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  (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 220  Proposed:

3. Course Title: Present: Theory of Computer Science
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: This course will cover the theoretical underpinnings of computer science. In particular, this course will cover
   the following topics: basic computability and formal language concepts, regular languages, context free languages,
   recursively-enumerable languages, and classes P, NP, and NP-completeness.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:  Present: Lecture 3.0 Lab 0  Total 3.0
   Proposed: Lecture  Lab  Total

7. Prerequisites:
   Present: Comp Sci 128 and Comp Sci 153
   Proposed: A'C or higher in Comp Sci 128 and Comp Sci 153

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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)  3)  5)
   2)  4)  6)

Recommended by Department  [Signature]  Date: 11/21/12
Recommended by DSCC  [Signature]  Date: 11/17/2013
Approved by Curricula Committee:  [Signature]  Date: 11/21/13
Approved by Faculty Senate:  [Signature]  Date:
Effective Year: 2013  Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 228  Proposed:

3. Course Title: Present: Introduction To Numerical Methods  Proposed:

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

4. Catalog Description (360 character spaces or less.)
   Present: Finite difference interpolation, numerical differentiation and integration, linear systems of equations, solution of nonlinear equations, numerical solution of ordinary differential equations, computational techniques and the programming of a large number of problems on digital computers.  Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0  Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Calculus II and programming competency  Proposed: A'c or higher in Calculus II and programming competency

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1)  2)  3)  4)  5)  6)

   Recommended by Department ____________________________ Date: 12/21/12
   (Chair signature)

   Recommended by DSCC ____________________________ Date: 11/17/2013
   (Chair signature)

   Approved by Curricula Committee: ____________________________ Date: 2/11/2013
   (Chair signature)

   Approved by Faculty Senate: ____________________________ Date: ________
   (Chair signature)

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 238 Proposed:

3. Course Title: Present: File Structures And Introduction To Database Systems Proposed:

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

4. Catalog Description (360 character spaces or less.)
   Present: Course covers major topics in file structures and database systems including techniques for disk access and organization, record and file structures, index structures, sequential file, dense/sparse and secondary indexes, B-trees, range queries, insertion/deletion, hash tables, fundamentals of database systems, the ER model, relational model, algebra and SQL.
   Proposed:

5. If course requires field trip check box: □

6. Credit Hours:
   Present: Lecture 3.0 Lab 0.0 Total 3.0
   Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Comp Sci 153
   Proposed: A' C' or higher for Comp Sci 153

8. Required for Majors: □
   Elective for Majors: □

9. Justification: To ensure sufficient mastery of the prerequisite course content and fix typos in the catalog description.

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

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1)
   2)
   3)
   4)
   5)
   6)

Recommended by Department (Chair signature)
Date: Dec 21, 2012

Recommended by DSCC (Chair signature)
Date: 1/17/2013

Approved by Curricula Committee: (Chair signature)
Date: 2/1/2013

Approved by Faculty Senate: (Chair signature)
Date:

(Revised October 2012)
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 [x]
- Course Title [ ]
- Catalog Description [ ]
- Course Number [ ]
- Co-listing [ ]

Course Information (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 253 Proposed:

3. Course Title: Present: Algorithms Proposed:

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

4. Catalog Description (360 character spaces or less.)

   Present: Students will solve recurrence relations, analyze algorithms for correctness and time/space complexity, apply these analysis techniques to fundamental dynamic programming, greedy, shortest-path, minimal spanning trees, and maximum flow algorithms, and validate these analyses through programming.

   Proposed:

5. If course requires field trip check box: [ ]

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0 Proposed: Lecture Lab Total

7. Prerequisites:

   Present: Comp Sci 128, Comp Sci 153, preceded or accompanied by Calculus I.

   Proposed: C or higher in both CS128 and CS153; preceded by C or higher in Calc I or accompanied by Calc I.

8. Required for Majors: [x] Elective for Majors: [ ]

9. Justification:

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

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

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

Recommended by Department: [Chair signature] Date: Dec 21 2012

Recommended by DSCC: [Chair signature] Date: 1/17/2013

Approved by Curricula Committee: [Chair signature] Date: 2/18/2013

Approved by Faculty Senate: [Chair signature] Date:

(Revised October 2012)
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** (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. **Department:** Computer Science

2. **Discipline and Course Number:**
   - Present: Comp Sci 256
   - Proposed:

3. **Course Title:**
   - Present: Programming Languages And Translators
   - Proposed:

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

4. **Catalog Description** (360 character spaces or less.)
   - Present: The knowledge of computer and network forensics has become essential in securing today's network-centric computing environment. This course will give the students both the fundamental knowledge and hands-on practice in computer and network forensics including data collection, data preservation and analysis and legal issues.
   - Proposed:

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

6. **Credit Hours:**
   - Present: Lecture 3.0 Lab 0 Total 3
   - Proposed: Lecture Lab Total

7. **Prerequisites:**
   - Present: Comp Sci 220
   - Proposed: A' or higher for Comp Sci 220

8. **Required for Majors:** □
   - Elective for Majors: □

9. **Justification:** To ensure sufficient mastery of the prerequisite course content.

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

11. **List all co-listed courses, initiated by Dept. Chair, if signature does not appear below.**
    1)  
    2)  
    3)  
    4)  
    5)  
    6)  

   Recommended by Department
   (Chair signature) Date: Dec 21, 2012

   Recommended by DSCC
   (Chair signature) Date: 1/14/2013

   Approved by Curricula Committee:
   (Chair signature) Date: 2/18/2013

   Approved by Faculty Senate:
   (Chair signature) Date: ________
Effective Year: 2013  Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 263  Proposed: 

3. Course Title: Present: Introduction to Computer Security  Proposed: 

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

4. Catalog Description (360 character spaces or less.)
   Present: This course encompasses threats and vulnerabilities, trust and security policies, and enforcement. Specific topics include access control, risk management, systems and applications life cycle, physical security, key management, transmission security, and cryptography.
   Proposed: 

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0 Total 3
   Proposed: Lecture Lab Total 

7. Prerequisites:
   Present: Comp Sci 253
   Proposed: A'C or higher for Comp Sci 253

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

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

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

   Recommended by Department ________________________________  Date: Dec 21, 12
   (Chair signature)

   Recommended by DSCC ________________________________  Date: 1/17/2013
   (Chair signature)

   Approved by Curricula Committee: ________________________________  Date: 2/18/2013
   (Chair signature)

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

(Revised October 2012)

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Effective Year: 2013        Effective 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  (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 265        Proposed:

3. Course Title: Present: Computer Network Concepts And Technology
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: This course will introduce computer network concepts and will survey the current and evolving technology for the construction, operation, and management of those networks. Both hardware and software issues will be addressed with a focus on local area networks.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:        Present: Lecture 3.0 Lab 0 Total 3
   Proposed: Lecture      Lab      Total

7. Prerequisites:
   Present: Comp Sci 284
   Proposed: A"C" or higher for Comp Sci 284

8. Required for Majors: ☑   Elective for Majors: ☑

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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: Dec 21, 2012
   (Chair signature)

Recommended by DSCC ________________________________ Date: 11/14/2013
   (Chair signature)

Approved by Curricula Committee: ________________________________ Date: 2/18/2013
   (Chair signature)

Approved by Faculty Senate: ________________________________ Date: __________
   (Chair signature)

(Revised October 2012)
Effective Year: 2013  Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 272  Proposed:

3. Course Title: Present: Java and Object Oriented Design  Proposed:

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

4. Catalog Description (360 character spaces or less.)
   Present: This course will cover Basic Java, Applets, Application, Classes, Interfaces, Strings, Arrays, Generics, inheritance, Polymorphism, Algorithm and Object Oriented Design, Software Testing, Exception Handling, File I/O. The use of Graphical User Interfaces in program design and introduction to Software Life Cycle. Project included.  Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:  Present: Lecture 3.0 Lab 0.0 Total 3.0  Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Comp Sci 53  Proposed: A' ☒ or higher for Comp Sci 53

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initiated by Dept. Chair, if signature does not appear below.
   1)  3)  5)
   2)  4)  6)

Recommended by Department ____________________________ Date: 11/21/12

Recommended by DSCC ____________________________ Date: 1/17/2013

Approved by Curricula Committee: ____________________________ Date: 2/8/2013

Approved by Faculty Senate: ____________________________ Date:

(Chair signature)  (Chair signature)  (Chair signature)

(Revised October 2012)
Effective Year: 2013  Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)
1. Department:  Computer Science
2. Discipline and Course Number:  Present:  Comp Sci 284  Proposed:
3. Course Title:  Present:  Introduction To Operating Systems
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):
4. Catalog Description (360 character spaces or less.)
   Present:  This course teaches the concepts, structure, and mechanisms of Operating Systems. Topics include
   process management, concurrency, synchronization, deadlock, multithreading, memory management, scheduling, and
   internet working. Special emphasis is given to Unix and its modern-day derivatives.
   Proposed:
5. if course requires field trip check box: □
6. Credit Hours:  Present:  Lecture 3.0  Lab 0.0  Total 3.0
   Proposed:  Lecture  Lab  Total
7. Prerequisites:
   Present:  Cmp Sci 153 and Cmp Sci 128 and Cp Eng 213
   Proposed:  A' C' or higher in all of Comp Sci 153, Comp Sci 128, and Comp Eng 213
8. Required for Majors:  □  Elective for Majors:  □
9. Justification:  To ensure sufficient mastery of the prerequisite course content.
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)  3)  5)
   2)  4)  6)

Recommended by Department:  
(Chair signature)  Date:  11/2/2012

Recommended by DSCC:  
(Chair signature)  Date:  11/17/2013

Approved by Curricula Committee:  
(Chair signature)  Date:  1/18/2013

Approved by Faculty Senate:  
(Chair signature)  Date:  

(Revised October 2012)
Effective Year: 2013  Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 302  Proposed:

3. Course Title: Present: Agile Software Development  Proposed:
Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
Present: Understand principles of agile software development and contrast them with prescriptive processes. Specifically: elicting, organizing and prioritizing requirements; design, implementation, test processes; understand how a particular process promotes quality; estimate costs and measure project progress and productivity.  Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0  Lab 0  Total 3  Proposed: Lecture  Lab  Total

7. Prerequisites:
Present: Comp Sci 206  Proposed: A'C or higher for Comp Sci 206

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initiated by Dept. Chair, if signature does not appear below.
   1)  3)  5)
   2)  4)  6)

Recommended by Department:  (Chair signature)  Date: Dec 21, 12

Recommended by DSCC:  (Chair signature)  Date: 1/17/2013

Approved by Curricula Committee:  (Chair signature)  Date: 4/18/2013

Approved by Faculty Senate:  (Chair signature)  Date: 

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: **Computer Science**

2. Discipline and Course Number: Present: **Comp Sci 307**  Proposed:

3. Course Title: Present: **Software Testing And Quality Assurance**
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: This course covers unit testing, subsystem testing, system testing, object-oriented testing, testing specification, test case management, software quality requirement analysis and specification, software process improvement, and software total quality management.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0 Total 3
   Proposed: Lecture Lab Total

7. Prerequisites:
   Present: **Comp Sci 253**
   Proposed: **A'C or higher for Comp Sci 253**

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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: **Dec 21, 12**

   (Chair signature)  

   Recommended by DSIC: _____________________________  Date: **1/17/2013**

   (Chair signature)  

   Approved by Curricula Committee: _____________________________  Date: **2/18/2013**

   (Chair signature)

   Approved by Faculty Senate: _____________________________  Date:

   (Chair signature)
Effective Year: 2013  Effective 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  (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department:  Computer Science

2. Discipline and Course Number:  Present:  Comp Sci 308  Proposed:

3. Course Title:  Present:  Object-Oriented Analysis And Design
Proposed:
Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description  (360 character spaces or less.)
Present:  This course will explore principles, mechanisms, and methodologies in object-oriented analysis and design. An object-oriented programming language will be used as the vehicle for the exploration.
Proposed:

5. If course requires field trip check box: □

6. Credit Hours:  Present:  Lecture 3.0 Lab 0  Total 3
Proposed:  Lecture  Lab  Total

7. Prerequisites:
Present:  Comp Sci 253  Proposed:  A* or higher for Comp Sci 253

8. Required for Majors: □  Elective for Majors: ☑

9. Justification:  To ensure sufficient mastery of the prerequisite course content.

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)  
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4)  
5)  
6)  

Recommended by Department:  (Chair signature)  Date:  DEC 21, 12

Recommended by DSCC:  (Chair signature)  Date:  11/17/2013

Approved by Curricula Committee:  (Chair signature)  Date:  2/18/2013

Approved by Faculty Senate:  (Chair signature)  Date: 

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 325
   Proposed:

3. Course Title: Present: Analysis of Algorithms
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: The purpose of this course is to teach the techniques needed to analyze algorithms. The focus of the presentation is on the practical application of these techniques to such as sorting, backtracking, and graph algorithms.
   Proposed:

5. If course requires field trip check box: [ ]

6. Credit Hours: Present: Lecture 3.0 Lab 0 Total 3
   Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Cmp Sc 253
   Proposed: A’C’ or higher for Comp Sci 253

8. Required for Majors: [ ]
   Elective for Majors: [x]

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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: [Signature]
   Date: DEC 21, 12

   Recommended by DSCC: [Signature]
   Date: 1/17/2013

   Approved by Curricula Committee: [Signature]
   Date: 2/4/2013

   Approved by Faculty Senate: [Signature]
   Date: [Signature]

(Revised October 2012)
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 [X]
- Course Title [ ]
- Catalog Description [ ]
- Course Number [ ]
- Co-listing [ ]

Course Information (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 328 Proposed:

3. Course Title: Present: Object-Oriented Numerical Modeling Proposed:
Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
Present: A study of object-oriented modeling of the scientific domain. Techniques and methodologies will be developed enabling the student to build a class library of reusable software appropriate for scientific application. Applications will be drawn from mechanics, finance, and engineering.
Proposed:

5. If course requires field trip check box: [ ]

6. Credit Hours: Present: Lecture 3.0 Lab 0 Total 3 Proposed: Lecture Lab Total

7. Prerequisites:
Present: Comp Sci 228 and Comp Sci 153 and one of Math 208, 203, 229
Proposed: A'C' or higher for both Comp Sci 228 and Comp Sci 153; a 'C' or higher in one of Math 208, 203, or 229

8. Required for Majors: [ ]
Elective for Majors: [X]

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initiated by Dept. Chair, if signature does not appear below.
1) 3) 5)
2) 4) 6)

Recommended by Department ________________________ Date: Dec 21, 12
(Chair signature)

Recommended by DSCC ________________________ Date: 1/13/2013
(Chair signature)

Approved by Curricula Committee: ________________________ Date: 2/18/2013
(Chair signature)

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

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)
1. Department: Computer Science
2. Discipline and Course Number: Present: Comp Sci 329  Proposed:
3. Course Title: Present: Object-Oriented Numerical Modeling II
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):
4. Catalog Description (360 character spaces or less.)
   Present: A continued study of object-oriented modeling of the scientific domain. Advanced applications include models posed as balance laws, integral equations, and stochastic simulations.
   Proposed:
5. If course requires field trip check box: □
6. Credit Hours: Present: Lecture 3.0 Lab 0 Total 3
   Proposed: Lecture Lab Total
7. Prerequisites:
   Present: Comp Sci 328
   Proposed: A C or higher for Comp Sci 328
8. Required for Majors: □  Elective for Majors: □
9. Justification: To ensure sufficient mastery of the prerequisite course content.
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) 3) 5)
    2) 4) 6)

Recommended by Department:

Date: Dec 21, 12

Recommended by DSCC

Date: 1/17/2013

Approved by Curricula Committee:

Date: 3/8/2013

Approved by Faculty Senate:

Date:
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 338  Proposed: 

3. Course Title: Present: Database Systems
   Proposed:
   Abbreviated Course Title (24 Spaces or less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: This course introduces the advanced database concepts of normalization and functional dependencies, transaction models, concurrency and locking, timestamping, serializability, recovery techniques, and query planning and optimization. Students will participate in programming projects.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0 Total 3
   Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Comp Sci 128 and Comp Sci 238
   Proposed: A' C' or higher for both Comp Sci 128 and Comp Sci 238

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initial by Dept. Chair, if signature does not appear below.
   1) 
   2) 
   3) 
   4) 
   5) 
   6)

Recommended by Department ____________________________ Date: 12/21/12
   (Chair signature)

Recommended by DSOC ____________________________ Date: 1/18/2013
   (Chair signature)

Approved by Curricula Committee: ____________________________ Date: 2/8/2013
   (Chair signature)

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

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science
2. Discipline and Course Number: Present: Comp Sci 342
3. Course Title: Present: Java GUI & Visualization
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):
4. Catalog Description (360 character spaces or less.)
   Proposed:
5. If course requires field trip check box: ☐
6. Credit Hours:
   Present: Lecture 3.0 Lab 0 Total 3
   Proposed: Lecture Lab Total
7. Prerequisites:
   Present: Comp Sci 253 or equivalent
   Proposed: A "C" or higher for Comp Sci 253 or equivalent OR EQUIVALENT
8. Required for Majors: ☐
   Elective for Majors: ☒
9. Justification: To ensure sufficient mastery of the prerequisite course content.
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) 3) 5)
   2) 4) 6)

Recommended by Department
[Signature]
Date: Dec 21, 12

Recommended by DSCC
[Signature]
Date: 1/17/2013

Approved by Curricula Committee:
[Signature]
Date: 2/8/2013

Approved by Faculty Senate:
[Signature]
Date: 

(Revised October 2012)
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** (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: **Computer Science**

2. Discipline and Course Number: Present: **Comp Sci 347** Proposed:

3. Course Title: Present: **Introduction To Artificial Intelligence** Proposed:

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

4. Catalog Description (360 character spaces or less.)
   Present: **A modern introduction to AI, covering important topics of current interest such as search algorithms, heuristics, game trees, knowledge representation, reasoning, computational intelligence, and machine learning. Students will implement course concepts covering selected AI topics.** Proposed:

5. If course requires field trip check box: □

6. Credit Hours: 
   Present: Lecture 3.0 Lab 0 Total 3
   Proposed: Lecture Lab Total

7. Prerequisites:
   Present: **Comp Sci 253**
   Proposed: **A"C" or Higher for Comp Sci 253**

8. Required for Majors: □ Elective for Majors: □

9. Justification: **To ensure sufficient mastery of the prerequisite course content.**

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

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1) □ □ □ □
   2) □ □ □ □
   3) □ □ □ □
   4) □ □ □ □
   5) □ □ □ □
   6) □ □ □ □

   Recommended by Department ___________________________ (Chair Signature) Date: **Dec 21, 12**

   Recommended by DSCC ___________________________ (Chair signature) Date: **1/17/2013**

   Approved by Curricula Committee: ___________________________ (Chair signature) Date: **2/18/2013**

   Approved by Faculty Senate: ___________________________ (Chair signature) Date: ****

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 348 Proposed:

3. Course Title: Present: Evolutionary Computing Proposed:

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

4. Catalog Description (360 character spaces or less.)
   Present: Introduces evolutionary algorithms, a class of stochastic, population-based algorithms inspired by natural evolution theory (e.g., genetic algorithms), capable of solving complex problems for which other techniques fail. Students will implement course concepts, tackling science, engineering and/or business problems.
   Proposed:

5. If course requires field trip check box: □

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0 Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Comp Sci 253 and a statistics course Proposed: A C' or higher in both Comp Sci 253 and in a statistics course

8. Required for Majors: □ Elective for Majors: □

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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: Dec 21 12
(Chair signature)

Recommended by DSCC: ____________________________ Date: 1/17/2013
(Chair signature)

Approved by Curricula Committee: ____________________________ Date: 2/18/2013
(Chair signature)

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

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 353

3. Course Title: Present: Multimedia Systems

   Proposed:

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

4. Catalog Description (360 character spaces or less.)

   Present: This course introduces the concepts and components of Multimedia information systems. Topics include:
   Introduction to Multimedia Data, Multimedia Date Compression, Techniques and Standards, Indexing and Retrieval,
   Data Storage Organization, Communication and Synchronization, Applications-Media-OnDemand Systems, Video
   Conferencing, Digital Libraries.

   Proposed:

5. If course requires field trip check box: [ ]

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0

   Proposed: Lecture 3.0 Lab 0.0 Total 3.0

7. Prerequisites:

   Present: Comp Sci 153

   Proposed: A" or higher in Comp Sci 153

8. Required for Majors: [ ]

   Elective for Majors: [ ]

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

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

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

   Recommended by Department: [Signature] Date: Dec 21, 12

   Recommended by DSCC: [Signature] Date: 1/17/2013

   Approved by Curricula Committee: [Signature] Date: 4/19/2013

   Approved by Faculty Senate: [Signature] Date: ____________________

(Revised October 2012)

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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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 356
   Proposed: 

3. Course Title: Present: The Structure Of A Compiler
   Proposed: 

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

4. Catalog Description (360 character spaces or less.)
   Present: Review of Backus normal form language descriptors and basic parsing concepts. Polish and matrix notation as intermediate forms, and target code representation. Introduction to the basic building blocks of a compiler: syntax scanning, expression translation, symbol table manipulation, code generation, local optimization, and storage allocation.
   Proposed: 

5. If course requires field trip check box: [ ]

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0
   Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Comp Sci 256 and Comp Sci 253
   Proposed: A'C or higher in both Comp Sci 256 and Comp Sci 253

8. Required for Majors: [ ]
   Elective for Majors: [x]

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1) 
   2) 
   3) 
   4) 
   5) 
   6) 

   Recommended by Department
   (Chair signature) Date: 12/21/12

   Recommended by DSCC
   (Chair signature) Date: 1/7/2013

   Approved by Curricula Committee:
   (Chair signature) Date: 1/7/2013

   Approved by Faculty Senate:
   (Chair signature) Date: 

(Revised October 2012)
Effective Year: 2013          Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department:  Computer Science

2. Discipline and Course Number:  Present:  Comp Sci 358  Proposed:

3. Course Title:  Present:  Interactive Computer Graphics
                 Proposed:

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

4. Catalog Description (360 character spaces or less.)

                 Present:  Applications and functional capabilities of current computer graphics systems. Interactive graphics
                 programming including windowing, clipping, segmentation, mathematical modelling, two and three dimensional
                 transformations, data structures, perspective views, antialiasing, and software design.

                 Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:  Present:  Lecture 3.0 Lab 0.0 Total 3.0
                 Proposed:  Lecture Lab Total

7. Prerequisites:
                 Present:  Comp Sci 228 and Comp Sci 253
                 Proposed:  A' C' or higher in both Comp Sci 228 and Comp Sci 253

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

9. Justification:  To ensure sufficient mastery of the prerequisite course content.

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

[Signature]

Date:  Dec 21, 12

Recommended by DSCC

[Signature]

Date:  11/7/2013

Approved by Curricula Committee:

[Signature]

Date:  2/1/2013

Approved by Faculty Senate:

[Signature]

Date:  

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science
2. Discipline and Course Number: Present: Comp Sci 362 Proposed:
3. Course Title: Present: Security Operations & Program Management
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):
4. Catalog Description (360 character spaces or less.)
   Present: An overview of information security operations, access control, risk management, systems and application life cycle management, physical security, business continuity planning, telecommunications security, disaster recovery, software piracy, investigations, ethics and more. There will be extensive reporting, planning and policy writing.
   Proposed:
5. If course requires field trip check box: □
6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0
   Proposed: Lecture Lab Total
7. Prerequisites:
   Present: Writing emphasized course AND Operating System course AND Computer Networking course.
   Proposed: A* or higher in all of: operating systems, computer networking, and a writing emphasized course.
8. Required for Majors: □ Elective for Majors: □
9. Justification: To ensure sufficient mastery of the prerequisite course content.
10. Semesters previously offered as an experimental course (101, 201, 301, 401):
11. List all co-listed courses, initiated by Dept. Chair, if signature does not appear below.
   1) 3) 5) 2) 4) 6)

Recommended by Department: [Signature]
 Date: Dec 21, 12

Recommended by DSCC: [Signature]
 Date: 1/19/2013

Approved by Curricula Committee: [Signature]
 Date: 2/14/2013

Approved by Faculty Senate: [Signature]
 Date: 

(Revised October 2012)
Effective Year: 2013  Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 365    Proposed:

3. Course Title: Present: Computer Communications and Networks
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: Network architecture and model including physical protocols for data transmission and error
detection/correction, data link concepts, LAN protocols, inter-networking, reliable end to end service, security, and
application services. Students will implement course concepts on an actual computer network.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0
   Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Comp Sci 284
   Proposed: A′ or higher in Comp Sci 284

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1)
   2)
   3)
   4)
   5)
   6)

Recommended by Department

(Chair signature) Date: Dec 21, 11

Recommended by DSCC

(Chair signature) Date: 1/17/2013

Approved by Curricula Committee

(Chair signature) Date: 2/8/2013

Approved by Faculty Senate:

(Chair signature) Date: 

(Revised October 2012)

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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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 381 Proposed:

3. Course Title: Present: The Structure of Operating Systems Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: The hardware and software requirements for operating systems for uniprogramming, multiprogramming, multiprocessing, time sharing, real time, and virtual systems. The concepts of supervisors interrupt handlers, input/output control systems, and memory mapping are discussed in detail.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0 Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Comp Sci 284 Proposed: A' or higher in Comp Sci 284

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initiated by Dept. Chair, if signature does not appear below.
   1) 3) 5)
   2) 4) 6)

Recommended by Department:  [Signature] Date: 1/21/12
Recommended by DSCC:  [Signature] Date: 1/17/2013
Approved by Curricula Committee:  [Signature] Date: 2/16/2013
Approved by Faculty Senate:  [Signature]
Effective Year: 2013  Effective Term: Summer [ ] Fall [X]  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 [X]
- Course Title [ ]
- Catalog Description [ ]
- Course Number [ ]
- Co-listing [ ]

Course Information (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 384  Proposed:

3. Course Title: Present: Distributed Operating Systems
Proposed:
Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
Present: The study of modern operating systems, particularly distributed operating systems. Topics include a review of network systems and inter-process communication, causality, distributed stat maintenance, failure detection, reconfiguration and recovery, load balancing, distributed file systems, distributed mutual exclusion, and stable property detection, includin
Proposed:

5. If course requires field trip check box:[ ]

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0
Proposed: Lecture  Lab  Total

7. Prerequisites:
Present: Comp Sci 284 and Comp Sci 253
Proposed: A’C or higher in both Comp Sci 284 and Comp Sci 253

8. Required for Majors: [ ]  Elective for Majors: [X]

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initiated by Dept. Chair, if signature does not appear below.
   1)  
   2)  
   3)  
   4)  
   5)  
   6)  

Recommended by Department: [Signature]  Date: 12/21/12

Recommended by DSCC: [Signature]  Date: 1/9/2013

Approved by Curricula Committee: [Signature]  Date: 2/8/2013

Approved by Faculty Senate: [Signature]  Date: 

(Revised October 2012)

(Handwritten notes: Date: 2/8/2013, 12:11:40 PM)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 387  Proposed:

3. Course Title: Present: Introduction to Parallel Programming and Algorithms  Proposed:

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

4. Catalog Description (360 character spaces or less.)
   Present: Parallel and pipelined algorithms, architectures, network topologies, message passing, process scheduling and synchronization. Parallel programming on clusters. Cost, speedup and efficiency analysis.
   Proposed:

5. If course requires field trip check box: □

6. Credit Hours:  Present: Lecture 3.0 Lab 0.0 Total 3.0  Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Comp Sci 284 and Comp Sci 253
   Proposed: A'C or higher in both Comp Sci 284 and Comp Sci 253

8. Required for Majors: □  Elective for Majors: ☑

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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: Dec 21, 2012
(Chair signature)

Recommended by DSCC  Date: 1/13/2013
(Chair signature)

Approved by Curricula Committee  Date: 2/18/2013
(Chair signature)

Approved by Faculty Senate:  Date:
(Chair signature)

(Revised October 2012)
Course Change Form (CC)

This form is for creating or modifying permanent courses.

Course Changes (Check all changes.)
1. New Course ☐
2. Course Deletion ☐
3. Credit Hours ☐
4. Prerequisites ☒
5. Course Title ☐
6. Catalog Description ☐
7. Course Number ☐
8. Co-listing ☐

Course Information (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 388 Proposed:

3. Course Title: Present: Introduction to High Performance Computer Architecture Proposed:

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

4. Catalog Description (360 character spaces or less.)

   Present: Overviews high performance architecture of computing systems and covers various architectural/hardware and software/algorithmic means that enhance performance. Uniprocessor and concurrent systems are investigated. Various computational models are studied and linked to commercial systems.

   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0 Proposed: Lecture Lab Total

7. Prerequisites:

   Present: Comp Eng 213 and Comp Sci 253 Proposed: A' or higher in both Comp Eng 213 and Comp Sci 253

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

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

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

   Recommended by Department ____________________________ Date: 12/2/2012

   Recommended by DSCC ____________________________ Date: 1/17/2013

   Approved by Curricula Committee: ____________________________ Date: 2/18/2013

   Approved by Faculty Senate: ____________________________ Date: ____________

(Revised October 2012)
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** (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: **Computer Science**

2. Discipline and Course Number: Present: **Comp Sci 397**  Proposed:

3. Course Title: Present: **Software Systems Development I**

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

4. Catalog Description (360 character spaces or less.)
   
   Present: **Class members will work in small teams to develop a complete software system beginning with end-user interviews and concluding with end-user training.**

   Proposed:

5. If course requires field trip check box: □

6. Credit Hours: Present: **Lecture 3.0 Lab 0.0 Total 3.0**

   Proposed: Lecture Lab Total

7. Prerequisites:

   Present: **Comp Sci 206 and 100 credit hours completed**

   Proposed: **A C or higher in Comp Sci 206 and 100 credit hours completed**

8. Required for Majors: □

   Elective for Majors: □

9. Justification: **To ensure sufficient mastery of the prerequisite course content.**

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) □  3) □  5) □

   2) □  4) □  6) □

   Recommended by Department

   [Signature]

   Date: **12/31/12**

   Recommended by DSCC

   [Signature]

   Date: **1/17/2013**

   Approved by Curricula Committee:

   [Signature]

   Date: **2/18/2013**

   Approved by Faculty Senate:

   [Signature]

   Date: **__**

   (Revised October 2012)
Effective Year: 2013    Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department:  Computer Science

2. Discipline and Course Number:  Present:  Comp Sci 398  Proposed:

3. Course Title:  Present:  Software Systems Development II
     Proposed:
     Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
     Present:  This course is an optional continuation of Cmp Sci 397. Those interested in project management should take this course since participants become officers or group leaders in the class "corporation." This course is especially important for those going straight into industry upon graduation. Students with coop experience may find this course redundant.
     Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:  Present:  Lecture 3.0  Lab 0.0  Total 3.0
     Proposed:  Lecture    Lab    Total

7. Prerequisites:
     Present:  Comp Sci 397
     Proposed:  A'c' or higher in Comp Sci 397

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

9. Justification:  To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1)  
   2)  
   3)  
   4)  
   5)  
   6)  

   Recommended by Department
   ________________________________  Date: 12/21/12
   (Chair signature)

   Recommended by DSCC
   ________________________________  Date: 1/17/2013
   (Chair signature)

   Approved by Curricula Committee:
   ________________________________  Date: 2/18/2013
   (Chair signature)

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

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 406    Proposed:

3. Course Title: Present: Software Engineering II
   Proposed:

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

4. Catalog Description (360 character spaces or less.)
   Present: A quantitative approach to measuring cost/productivity in software projects. The material covered will be software metrics used in the life cycle and the student will present topical material.
   Proposed:

5. If course requires field trip check box: □

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0
   Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Cmp Sci 206
   Proposed: A' or higher for Cmp Sci 206

8. Required for Majors: □    Elective for Majors: □

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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) □    3) □    5) □
    2) □    4) □    6) □

Recommended by Department: □    Date: DEC 23, 12

Recommended by DSSC: □    Date: 1/17/2013

Approved by Curricula Committee: □    Date: 2/18/2013

Approved by Faculty Senate: □    Date: 11/2/2012

(Revised October 2012)

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Effective Year: 2013  Effective 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  (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department:  Computer Science

2. Discipline and Course Number:  Present:  Comp Sci 409  Proposed:

3. Course Title:  Present:  Software Requirements Engineering  Proposed:
  Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
  Present:  Software Requirements Engineering (SRE) covers all the activities involved in discovering, analyzing, specifying and managing software requirements for a software system from multiple perspectives. Students will study how to elicit, analyze, specify, validate, and manage software requirements using advanced software requirements engineering methods.
  Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:  Present:  Lecture 3.0 Lab 0.0 Total 3.0  Proposed:  Lecture Lab Total

7. Prerequisites:
  Present:  Cmp Sci 206  Proposed:  A'or higher for Cmp Sci 206

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

9. Justification:  To ensure sufficient mastery of the prerequisite course content.

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)  3)  5)
    2)  4)  6)

Recommended by Department:  [Signature]  Date:  12/21/12

Recommended by DSCC:  [Signature]  Date:  11/14/2013

Approved by Curricula Committee:  [Signature]  Date:  2/8/2013

Approved by Faculty Senate:  [Signature]  Date:

(Revised October 2012)
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 X
Course Title □  Catalog Description □  Course Number □  Co-listing □

Course Information (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department:  Computer Science

2. Discipline and Course Number:  Present:  Comp Sci 425  Proposed:

3. Course Title:  Present:  Algorithms II
Proposed:
Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present:  Covers selected classical and recent developments in the design and analysis of algorithms, such as sophisticated data structures, amortized complexity, advanced graph theory, and network flow techniques.
   Proposed:

5. If course requires field trip check box: □

6. Credit Hours:  Present:  Lecture 3.0  Lab 0.0  Total 3.0
Proposed:  Lecture  Lab  Total

7. Prerequisites:
   Present:  Cmp Sci 325
   Proposed:  A-C or higher for Cmp Sci 325

8. Required for Majors: □  Elective for Majors: X

9. Justification:  To ensure sufficient mastery of the prerequisite course content.

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
Recommended by DSCC
Approved by Curricula Committee:
Approved by Faculty Senate:

Date: Dec 21, 12
Date: 1/17/2013
Date: 2/18/2013

(Date signed)

(Chair signature)

(Chair signature)

(Chair signature)

(Chair signature)

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 426 Proposed:

3. Course Title: Present: Theory of Computation Proposed:

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

4. Catalog Description (360 character spaces or less.)
   Proposed:

5. If course requires field trip check box: □

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0 Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Cmp Sci 220
   Proposed: A+ or higher for Cmp Sci 220

8. Required for Majors: □ Elective for Majors: □

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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)  3)  5)  
    2)  4)  6)  

   Recommended by Department ___________________________ Date: 12/21/12

   Recommended by DSCC ___________________________ Date: 1/17/2013

   Approved by Curricula Committee ___________________________ Date: 2/16/2013

   Approved by Faculty Senate ___________________________ Date: 

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 437
   Proposed:

3. Course Title: Present: Web Data Management And Xml
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: This course deals with the management of semi-structured data, query languages to manipulate web data, web views on XML and maintaining and securing data represented in XML. Course involves discussion on systems such as LORE, Web SQL, Web OQL, XML-QL, ARANEUS, WHOWEDA, XSHEMA, XML, RDF.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0
   Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Cmp Sci 338
   Proposed: A'C' or higher for Cmp Sci 338

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

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

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

Recommended by Department
(Chair signature)
Date: Dec 21, 2012

Recommended by DSCC
(Chair signature)
Date: 11/7/2013

Approved by Curricula Committee:
(Chair signature)
Date: 1/18/2013

Approved by Faculty Senate:
(Chair signature)
Date: 

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 438 Proposed:

3. Course Title: Present: Heterogeneous and Mobile Databases Proposed:

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

4. Catalog Description (360 character spaces or less.)

   Present: This course extensively discusses multidatabase systems (MDBS) and mobile data access systems (MDAS), moreover it will study traditional distributed database issues within the framework of MDBSs and MDASs. Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0 Proposed: Lecture Lab Total

7. Prerequisites:

   Present: Cmp Sci 338, better grade in Comp Proposed: A' or higher for Cmp Sci 338

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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) 3) 5) 2) 4) 6)

Recommended by Department: ___________________________ Date: Dec 21, 2012
(Chair signature)

Recommended by DSCC: ___________________________ Date: 1/17/2013
(Chair signature)

Approved by Curricula Committee: ___________________________ Date: 2/8/2013
(Chair signature)

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

(Revised October 2012)
Effective Year: 2013  Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 439  Proposed:

3. Course Title: Present: Object-Oriented Database Systems  Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: Increasing complexity of systems and the need to reuse software components have resulted in the
development of the object-oriented approach to systems design and implementation. This course is designed to meet
the need for students to be able to use and extend the new area of Computer Science.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0  Proposed: Lecture  Lab  Total

7. Prerequisites:
   Present: Comp Sci 308  Proposed: A or higher for Comp Sci 308

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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)  3)  5)
   2)  4)  6)

Recommended by Department:  Date: 12/21/12
(Chair Signature)

Recommended by DSCC:  Date: 1/17/2013
(Chair Signature)

Approved by Curricula Committee:  Date: 2/15/2013
(Chair Signature)

Approved by Faculty Senate:  Date: 
(Chair Signature)

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 444 Proposed:

3. Course Title: Present: Advanced Topics in Data Mining Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: Advanced topics of current interest in the field of data mining. This course involves reading seminal and state-of-the-art papers as well as conducting topical research projects including design, implementation, experimentation, analysis, and written and oral reporting components.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0
   Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Cmp Sci 301 Introduction to Data Mining Proposed: "C" or higher for Cmp Sci 301 Introduction to Data Mining

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

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

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

Recommended by Department: ___________________________ Date: 12/21/12
   (Chair signature)

Recommended by DSCC: ___________________________ Date: 1/17/2013
   (Chair signature)

Approved by Curricula Committee: ___________________________ Date: 1/18/2013
   (Chair signature)

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

(Revised October 2012)

This fax was received by GFI FAXmaker fax server. For more information, visit: http://www.fax.com
Daniel and Jennifer,

Yes, I approve of the change.

Dave

On Feb 22, 2013, at 3:45 PM, Tauritz, Daniel R. wrote:

Hi Dave (cc: Jennifer),

CS recently revised all their courses to require a “C” or better grade for all prereqs. Comp Sci 444 Advanced Topics in Data Mining is co-listed with SysEng 404 and CpE 404, but we by accident left off the co-lists on the CC form requiring a “C” or better grade in its prereqs and somehow the form made it through all committees including yesterday Faculty Senate without anyone noticing the omission. Jennifer Thorpe has graciously agreed to accept your approval of this change by E-mail in order to add the SysEng 404 co-list to the CC form, thus restoring said co-list. Does this have your approval?

Cheers,

Daniel
Black, Lahne

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**From:** Erickson, Kelvin Todd  
**Sent:** Saturday, February 23, 2013 2:56 PM  
**To:** Tauritz, Daniel R.  
**Cc:** Thorpe, Jennifer Christine  
**Subject:** RE: CS444 co-list with CpE 404

Yes, the co-list has my approval.
Kelvin

---

**From:** Tauritz, Daniel R.  
**Sent:** Friday, February 22, 2013 3:47 PM  
**To:** Erickson, Kelvin Todd  
**Cc:** Thorpe, Jennifer Christine  
**Subject:** CS444 co-list with CpE 404

Hi Kelvin (cc: Jennifer),

CS recently revised all their courses to require a “C” or better grade for all prereqs. Comp Sci 444 Advanced Topics in Data Mining is co-listed with SysEng 404 and CpE 404, but we by accident left off the co-lists on the CC form requiring a “C” or better grade in its prereqs and somehow the form made it through all committees including yesterday Faculty Senate without anyone noticing the omission. Jennifer Thorpe has graciously agreed to accept your approval of this change by E-mail in order to add the CpE 404 co-list to the CC form, thus restoring said co-list. Does this have your approval?

Cheers,
Daniel
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 447

3. Course Title: Present: Advanced Topics In Artificial Intelligence

4. Catalog Description (360 character spaces or less.)

   Present: Advanced topics of current interest in the field of artificial intelligence. This course involves reading seminal and state-of-the-art papers as well as conducting topical research projects including design, implementation, experimentation, analysis, and written and oral reporting components.

5. If course requires field trip check box: □

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0

   Proposed: Lecture Lab Total

7. Prerequisites:

   Present: Cmp Sci 347 or Comp Sci 348 or CpE 358

   Proposed: A' or higher for one of Cmp Sci 347, Comp Sci 348 or CpE 358

8. Required for Majors: □

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

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

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

   Recommended by Department: ___________________________ (Chair signature) Date: 12/21/12

   Recommended by DSCC: ___________________________ (Chair signature) Date: 1/17/2013

   Approved by Curricula Committee: ___________________________ (Chair signature) Date: 2/16/2013

   Approved by Faculty Senate: ___________________________ (Chair signature) Date: ____________

(Revised October 2012)
Effective Year: 2013  Effective 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** (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. **Department:** Computer Science

2. **Discipline and Course Number:** Present: Comp Sci 448  Proposed:

3. **Course Title:** Present: Advanced Evolutionary Computing  Proposed:

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

4. **Catalog Description** (360 character spaces or less.)
   Present: Advanced topics in evolutionary algorithms, a class of stochastic, population-based algorithms inspired by natural evolution theory, capable of solving complex problems for which other techniques fail. Students will conduct challenging research projects involving advanced concept implementation, empirical studies, statistical analysis and paper writing.  Proposed:

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

6. **Credit Hours:** Present: Lecture 3.0 Lab 0.0 Total 3.0  Proposed: Lecture   Lab   Total

7. **Prerequisites:**
   Present: Cmp Sci 348  Proposed: A' or higher for Comp Sci 348

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

9. **Justification:** To ensure sufficient mastery of the prerequisite course content.

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)  3)  5)  

   2)  4)  6)

---

**Recommended by Department:**

[Signature]

Date: Dec 31, 12

**Recommended by DSCC:**

[Signature]

Date: 1/17/2013

**Approved by Curricula Committee:**

[Signature]

Date: 2/26/2013

**Approved by Faculty Senate:**

[Signature]

Date: 

(Revised October 2012)
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 [x]
- Course Title [ ]
- Catalog Description [ ]
- Course Number [ ]
- Co-listing [ ]

**Course Information** (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. **Department:** Computer Science

2. **Discipline and Course Number:** Present: Comp Sci 456  
   Proposed: 

3. **Course Title:** Present: Theory Of Compiling
   Proposed: 
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. **Catalog Description** (360 character spaces or less.)
   Present: Properties of formal grammars and their languages, language-preserving transformations of grammars, syntax-directed parsing, classes of parsing methods, and properties of the grammars for which they are suited, control flow analysis of programs, and the theoretical framework of local and global program optimization methods.
   Proposed:

5. **If course requires field trip check box:** [ ]

6. **Credit Hours:** Present: Lecture 3.0 Lab 0.0 Total 3.0
   Proposed: Lecture Lab Total

7. **Prerequisites:**
   Present: Cmp Sci 356
   Proposed: A' or higher for Cmp Sci 356

8. **Required for Majors:** [ ]  
   Elective for Majors: [x]

9. **Justification:** To ensure sufficient mastery of the prerequisite course content.

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

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

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

**Recommended by Department**  
(Chair Signature:  
Date: Dec 21, 12)

**Recommended by DSBC**  
(Chair Signature:  
Date: 11/19/2013)

**Approved by Curricula Committee:**  
(Chair Signature:  
Date: 2/8/2013)

**Approved by Faculty Senate:**  
(Chair Signature:  
Date: )

(Revised October 2012)

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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 [X]
- Course Title [ ]
- Catalog Description [ ]
- Course Number [ ]
- Co-listing [ ]

Course Information (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 458 Proposed:

3. Course Title: Present: Computer Graphics And Realistic Modeling Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: Algorithms, data structures, software design, and strategies used to achieve realism in computer graphics of three-dimensional objects. Application of color, shading, texturing, antialiasing, solid modeling, hidden surface removal, and image processing techniques. Proposed:

5. If course requires field trip check box: [ ]

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0 Proposed: Lecture Lab Total

7. Prerequisites:
   Present: Cmp Sci 358 Proposed: A'C' or higher for Cmp Sci 358

8. Required for Majors: [ ] Elective for Majors: [X]

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1) 2) 3) 4) 5) 6)

   Recommended by Department [ ]
   (Chair signature)

   Recommended by DSCC [ ]
   (Chair signature)

   Approved by Curricula Committee: [ ]
   (Chair signature)

   Approved by Faculty Senate: [ ]
   (Chair signature)

   Date: 11/2/2012

   (Revised October 2012)

   This fax was received by GFI FAXmaker fax server. For more information, visit: http://www.gfi.com
Effective Year: 2013  Effective 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
- [x] Prerequisites
- [ ] Course Title
- [ ] Catalog Description
- [ ] Course Number
- [ ] Co-listing

**Course Information** (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 461  Proposed:

3. Course Title: Present: Privacy Preserving Data Integration and Analysis
   Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: This course covers basic tools, in statistics and cryptography, commonly used to design privacy-preserving and secure protocols in a distributed environment as well as recent advances in the field of privacy-preserving data analysis, data sanitization and information retrieval. Students are expected to complete a course project on a relevant topic of their choice.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:
   Present: Lecture 3.0 Lab 0.0 Total 3.0
   Proposed: Lecture  ________ Lab  ________ Total  ________

7. Prerequisites:
   Present: Cmp Sci 338 and Comp Sci 262
   Proposed: A' grade in both Cmp Sci 338 and Comp Sci 262

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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)  3)  5)  
   2)  4)  6)  

Recommended by Department  
(Chair signature)  
Date: Dec 21, 2012

Recommended by DSCC  
(Chair signature)  
Date: 1/14/2013

Approved by Curricula Committee:  
(Chair signature)  
Date: 2/8/2013

Approved by Faculty Senate:  
(Chair signature)  
Date:  

(Revised October 2012)
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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 465    Proposed:

3. Course Title: Present: Advanced Topics in Wireless Networks

   Proposed:

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

4. Catalog Description (360 character spaces or less.)

   Present: Introduces the fundamentals and recent advances in wireless networking. Coverage includes cellular
   networks, wireless and mobile ad hoc networks, wireless mesh networks, sensor networks and wireless LANs with a
   focus on network operation. Special topics selected for the literature on wireless network security will also be
   addressed.

   Proposed:

5. If course requires field trip check box: □

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0

   Proposed: Lecture Lab Total

7. Prerequisites:

   Present: Cmp Sci 365 or equivalent

   Proposed: A grade or higher for Cmp Sci 365 or equivalent

8. Required for Majors: □    Elective for Majors: □

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

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

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

   Recommended by Department ____________________________ Date: 12/21/12
   Recommended by DSCC ____________________________ Date: 1/19/2013
   Approved by Curricula Committee: ____________________________ Date: 1/28/2013
   Approved by Faculty Senate: ____________________________ Date: ____________________

   Recommended by Department ____________________________ Date: 12/21/12
   Recommended by DSCC ____________________________ Date: 1/19/2013
   Approved by Curricula Committee: ____________________________ Date: 1/28/2013
   Approved by Faculty Senate: ____________________________ Date: ____________________

   (Revised October 2012)
Effective Year: 2013  Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 463  Proposed:

3. Course Title: Present: Computer Security  Proposed:
Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
Present: The course presents various vulnerabilities and threats to information in cyberspace and the principles and techniques for preventing and detecting threats, and recovering from attacks. The course deals with various aspects and layers of security: data-level, network-level, system-level, and application-level security.
Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: Lecture 3.0  Lab 0.0  Total 3.0
Proposed: Lecture  Lab  Total

7. Prerequisites:
Present: Cmp Sci 265 and Comp Sci 325
Proposed: A or higher for both Cmp Sci 263 and Comp Sci 325

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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

11. List all co-listed courses, initiated by Dept. Chair, if signature does not appear below.
   1)  3)  5)
   2)  4)  6)

Recommended by Department ___________________________ Date: Dec 21, 2012
(Chair signature)

Recommended by DSCC ___________________________ Date: 11/27/2012
(Chair signature)

Approved by Curricula Committee: ___________________________ Date: 8/18/2013
(Chair signature)

Approved by Faculty Senate: ___________________________ Date: __________________
(Chair signature)

(Revised October 2012)
Effective Year: 2013  Effective 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** (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Computer Science

2. Discipline and Course Number: Present: Comp Sci 468  Proposed:

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

4. Catalog Description (360 character spaces or less.)
   Present: Topics covered include network security issues such as authentication, anonymity, traceback, denial of service, confidentiality, forensics, etc. in wired and wireless networks. Students will have a clear, in-depth understanding of state of the art network security attacks and defenses.
   Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours:
   Present: Lecture 3.0 Lab 0.0 Total 3.0
   Proposed: Lecture  Lab  Total

7. Prerequisites:
   Present: CPE 349 or Comp Sci 365  Proposed: A' or higher for either CPE 349 or Comp Sci 365
   Comp Eng

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

9. Justification: To ensure sufficient mastery of the prerequisite course content.

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: Dec 21, 12
   (Chair signature)

   Recommended by DSCC  Date: 1/17/2013
   (Chair signature)

   Approved by Curricula Committee:  Date: 2/18/2013
   (Chair signature)

   Approved by Faculty Senate:  Date: 
   (Chair signature)

(Revised October 2012)
Effective Year: 2013  Effective 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 (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: **Computer Science**

2. Discipline and Course Number: Present: **Comp Sci 484**  Proposed:

3. Course Title: Present: **Distributed Systems Theory And Analysis**
Proposed:
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   Present: **Analysis of the problems of state maintenance and correctness in concurrent computing systems using formal methods such as Hoare Logic, Temporal Logic, and Symbolic Model Checking**
   Proposed:

5. If course requires field trip check box: □

6. Credit Hours: Present: Lecture 3.0 Lab 0.0 Total 3.0
Proposed: Lecture Lab Total

7. Prerequisites:
   Present: **Comp Sci 384**
   Proposed: **A' or higher for Comp Sci 384**

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

9. Justification: **To ensure sufficient mastery of the prerequisite course content.**

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

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1)  
   2)  
   3)  
   4)  
   5)  
   6)  

Recommended by Department ________________________________ (Chair signature)  Date: Dec 21, 2012

Recommended by DSCC ________________________________ (Chair signature)  Date: 1/17/2013

Approved by Curricula Committee: ________________________________ (Chair signature)  Date: 2/8/2013

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

(Revised October 2012)
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** (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: **Computer Science**

2. Discipline and Course Number: Present: **Comp Sci 487** Proposed:

3. Course Title: Present: **New Trends In Massively Parallel Computing** Proposed:
   - Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   - Present: **Introduction of parallel and distributed computing fundamentals and advanced research topics. Students present research papers selected from the current literature and P&D computing paradigms. A term paper and oral presentation are required.**
   - Proposed:

5. If course requires field trip check box: ☐

6. Credit Hours: Present: **Lecture 3.0 Lab 0.0 Total 3.0** Proposed: **Lecture Lab Total**

7. Prerequisites:
   - Present: **Comp Sci 387 or equivalent background**
   - Proposed: **A’C or higher for Comp Sci 387 or equivalent background**

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

9. Justification: **To ensure sufficient mastery of the prerequisite course content.**

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

11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1)  
   2)  
   3)  
   4)  
   5)  
   6)

   **Recommended by Department**
   **(Chair signature)**
   **Date:** **Dec 21, 12**

   **Recommended by DSCC**
   **(Chair signature)**
   **Date:** **1/14/2013**

   **Approved by Curricula Committee:**
   **(Chair signature)**
   **Date:** **2/8/2013**

   **Approved by Faculty Senate:**
   **(Chair signature)**
   **Date:** **[Blank]**

(Revised October 2012)
Course Change Form (CC)

Course Changes (Check all changes.)
- New Course ⊗
- Course Deletion □
- Credit Hours □
- Prerequisites □
- Course Title □
- Catalog Description □
- Course Number □
- Co-listing □

Course Information (Sections 1-9 must be completed. Leave "Proposed" items blank if no change is being made.)

1. Department: **Computer Science**

2. Discipline and Course Number: Present:            Proposed: **Comp Sci 431**

3. Course Title: Present:
   - Proposed: **Pervasive Computing**
   
   Abbreviated Course Title (24 Spaces or Less. Only needed for New Courses or Title Changes.):

4. Catalog Description (360 character spaces or less.)
   - Present:
     - Proposed: **Pervasive computing aims to seamlessly integrate computing with our everyday activities, so that people do not need to be aware of computing artifacts. This course will introduce various techniques needed to realize pervasive computing, such as position tracking and ad-hoc networking.**

5. If course requires field trip check box: □

6. Credit Hours: Present: Lecture Lab Total
   - Proposed: Lecture 3.0 Lab 0.0 Total 3.0

7. Prerequisites:
   - Present:
     - Proposed: A grade of C or higher in either **Comp Sci 365** or **Comp Eng 319**

8. Required for Majors: □  Elective for Majors: ⊗

9. Justification: This course is aligned with the departmental strategic plan. It received positive comments from students.

10. Semesters previously offered as an experimental course (101, 201, 301, 401): **FS2011, FS2012**

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

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

Recommended by Department: [Signature]  Date: **DU 28, 12**

Recommended by DSCC: [Signature]  Date: **1/17/2013**

Approved by Curricula Committee: [Signature]  Date: **2/6/2013**

Approved by Faculty Senate: [Signature]  Date: ****

(Revised October 2012)
Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved Spring 2009 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: Mathematics & Statistics

Discipline and Course Number: Math 401

Course Title: Mathematical Dynamical Systems

Abbreviated Title (24 spaces or less): Math Dynamical Systems

Instructor(s): Robert Roe

Credit Hours: Lecture 3 Lab 0 Total 3

Prerequisites: Math 311 or equivalent

Semester(s) previously taught: Never

Brief Course Description (360 character spaces or less): An introduction to mathematical ideas used in the study of dynamical systems. Topics include, functional iteration, contraction mappings, symbolic dynamics, subshifts of finite type, topological conjugacy, omega limit sets, transitivity and topological entropy.

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

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

Recommended by Department: ___________________________ Date: 12/10/2012

(Chair signature)

Recommended by DSCC: ___________________________ Date: 1/7/2013

(Chair signature)

Approved by Curricula Committee: ___________________________ Date: 2/8/2013

(Chair signature)

11/7/2012
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: Geological Science and Engineering

Discipline and Course Number: GE 301

Course Title: Soil Mechanics for GeoProfessionals

Abbreviated Title (24 spaces or less): Geo Soil Mech

Instructor(s): Ronaldo Luna

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

Prerequisite(s): A course in Statics and Mechanics of Materials or consent of instructor

Semester(s) previously taught: SS 2012 as a GE300 Special Topics class

Brief Course Description: (40 words or less)
The basic principles of soil mechanics necessary for professionals to practice in the field of geosynthesis. Topics related to the practical aspects of engineering include: soil classification, index properties, water flow through soils, compaction, compressibility, and shear strength. These basic principles will be applied to real-world geosynthesis problems.

This course is for distance ed./Fort Leonard Wood graduate students only.

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: 6/11/13

Discipline Specific Curricula Committee: ___________________________ Date: 5/17/13

Curricula Committee: ___________________________ Date: 2/8/13

12/04/12

(Revised 1/31/2008)
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: Geological Sciences and Engineering

Discipline and Course Number: GE 301

Course Title: Fundamentals of Groundwater Hydrology

Abbreviated Title (24 spaces or less): Groundwater Hydrology

Instructor(s): Cawfield

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

Prerequisites: Permission of instructor.

Semester(s) previously taught: Previously taught in FS 2012

Brief Course Description: (40 words or less)

The course will focus on fundamental analysis and overall survey of groundwater hydrology with emphasis on practical geo-environmental and subsurface hydrology issues of interest to working professionals. Topics will include general hydrology, surface and subsurface hydrologic interconnection, basic groundwater flow and well test analysis, and a brief introduction to contaminant transport. This class is intended to be taught as a distance class to working professionals from a wide variety of academic backgrounds; therefore, the mathematical complexity will be at a basic level and the focus is on a general understanding of groundwater hydrology.

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

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

Department Chair: _______________________________ (Chair Signature) Date: __/__/2013

Discipline Specific Curricula Committee: _______________________________ (Chair signature) Date: __/__/2013

Curricula Committee: _______________________________ (Chair Signature) Date: __/__/2013

(Revised 1/31/2008)
Effective Year: 2013  Effective Term:  Summer ☐  Fall ☒  Spring ☐

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved Spring 2009 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.

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

Department: Computer Science

Discipline and Course Number: Comp Sci 401

Course Title: Network Information Analysis

Abbreviated Title (24 spaces or less): Network Info Analysis

Instructor(s): Maggie Cheng

Credit Hours: Lecture 3.0  Lab 0.0  Total 3.0

Prerequisites: A C or higher for both Comp Sci 325 and Comp Sci 365

Semester(s) previously taught: SP 2013

Brief Course Description (360 character spaces or less): This course covers modeling techniques and analytical methods to study the interaction of information and networks. The two foci are (1) models and properties of network structures; (2) diffusion of information over networks. The expected outcomes are systematic inference of information encoded in network structures and effective methods to disseminate it.

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

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

Recommended by Department: [Signature]

Date: Dec 21, 12

Recommended by DSCC: [Signature]

Date: 1/17/2013

Approved by Curricula Committee: [Signature]

Date: 2/6/2013

(Revised October 2012)
Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved Spring 2009 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: Computer Science

Discipline and Course Number: Comp Sci 401

Course Title: Search-Based Software Engineering

Abbreviated Title (24 spaces or less): Search-Based Software Eng

Instructor(s): Marouane Kessentini

Credit Hours: Lecture 3.0  Lab 0.0  Total 3.0

Prerequisites: A C or higher for either Comp Sci 347 or Comp Sci 348; a C or higher for Comp Sci 206

Semester(s) previously taught: FS 2012

Brief Course Description (360 character spaces or less): This course will introduce students to reformulating software engineering problems from the life-cycle, requirements engineering to testing and evolution, as search problems by adapting different meta-heuristic search algorithms. Topics covered during this course include evolutionary testing, cost/effort prediction, and multi-objective software management.

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

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

Recommended by Department: 

(Chair signature)  Date: 11/21/12

Recommended by DSCC: 

(Chair signature)  Date: 11/17/2013

Approved by Curricula Committee: 

(Chair signature)  Date: 2/18/2013

(Revised October 2012)
Effective Year: 2013  Effective Term:  Summer □  Fall □  Spring □

Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved Spring 2009 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 & Political Science

Discipline and Course Number:  Hist 201

Course Title:  History of Christianity

Abbreviated Title (24 spaces or less):  History of Christianity

Instructor(s):  Michael Bruening

Credit Hours:  Lecture 3  Lab 0  Total 3

Prerequisites:  none

Semester(s) previously taught:  n/a

Brief Course Description (360 character spaces or less):  This course will examine the history of dominant faith of the West, from its origins in first century Palestine to the present day. It will explore the debates and events that have shaped Christianity, as well as the faith’s impact on Western society and culture.

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

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

Recommended by Department:  

(Chair signature)

Date:  1-7-13

Recommended by DSCC:  

(Chair signature)

Date:  1-14-13

Approved by Curricula Committee:  

(Chair signature)

Date:  1-28-13

(Revised October 2012)
Experimental Course Form (EC)

An EC form must be submitted before an experimental course is to be offered. EC forms approved Spring 2009 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: FRENCH 301

Course Title: Representations of Violence in 20th-Century French Culture

Abbreviated Title (24 spaces or less): Violence in French Culture

Instructor(s): Audra Merfeld-Langston

Credit Hours: Lecture 3 Lab 0 Total 3

Prerequisites: English 20

Semester(s) previously taught:

Brief Course Description (360 character spaces or less): This study abroad course explores representations of war and violence in 20th-century French literature, film, art, and music. Lectures, films, readings, and other course documents are supplemented with field trips to war sites in Paris and Normandy. Pre-departure activities required. Students are responsible for all associated costs.

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

1) 3) 5)

2) 4) 6)

Recommended by Department: [Signature] Date: 12/11/2012

Recommended by DSCC: [Signature] Date: 01/14/2013

Approved by Curricula Committee: [Signature] Date: 2/8/2013