Proposal Form For Addition And Revision Of Courses

1. Proposing College / School: College of Business
   Department: AVSC

2. Course Prefix and Number: ISMN 3070
   3. Effective Term: Fall, 2013

4. Course Title: Business System Logic and Modeling
   Abbreviated Title (30 characters or less): Bus. Sys. Logic and Modeling

5. Requested Action:
   - [ ] Renumber a Course
   - [ ] Add a Course
   - [ ] Revise a Course
   - Current Course Number:
   - Proposed Course Number:
   - Type of Revision: Content

6. Course Credit:
<table>
<thead>
<tr>
<th>Maximum Hours</th>
<th>Contact/Group Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repeatability: 3</td>
<td>Scheduled Type</td>
</tr>
<tr>
<td></td>
<td>(e.g.: Lab, Lecture, Practicum, Directed Study)</td>
</tr>
<tr>
<td></td>
<td>Weekly or Credit Per Term?</td>
</tr>
<tr>
<td></td>
<td>Anticipated Enrollment</td>
</tr>
<tr>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours: 3</td>
</tr>
</tbody>
</table>

7. Grading Type:
   - [ ] Regular (ABCDF)
   - [ ] Satisfactory/Unsatisfactory (S/U)
   - [ ] Audit

8. Prerequisites/Corequisites:
   Use "P:" to indicate a prerequisite, "C:" to indicate a corequisite, and "P/C:" to indicate a prerequisite with concurrency.
   None

9. Restrictions: List specific restriction in space above.
   - [ ] College
   - [ ] Major
   - [ ] Standing
   - [ ] Degree

10. Course Description: (20 Words or Less; exactly as it should appear in the Bulletin)
    Concepts, techniques, and tools for discovering, specifying, and modeling business logic are introduced, explored, and applied.

11. May Count Either: [ ] or [ ] (Indicate if this particular course cannot be counted for credit in addition to another)

12. Affected Program(s):
    (Respond "N/A" if not included in any program; attach memorandum if more space is required)
    - ISMN
    - BS in Business Administration
    - Required

13. Overlapping or Duplication of Other Units' Offerings:
    (If course is included in any other degree program, is used as an elective frequently by other unit(s), or is in an area similar to that covered by another college/school, attach correspondence with relevant unit)
    - [ ] Applicable
    - [ ] Not Applicable
14. Justification: To provide students with more depth of knowledge in business modeling capabilities to better prepare them for IS careers in business and information systems.

(Include a concise, yet adequate rationale for the addition/revision of the course, citing accreditation, assessments (faculty, graduate, and/or external) where applicable)

15. Resources: Not applicable.

(Indicate whether existing resources such as library materials, classroom/lab space, and faculty appointments are adequate to support the proposed addition/revision; if additional resources are required, indicate how such needs will be met, referencing the appropriate level of authorization -- i.e.: Dean -- where necessary; if no additional resources or shifting of resources will be necessary, respond "Not Applicable")

16. Student Learning Outcomes: This course is designed to teach the student fundamentals of business process and application logic and modeling. Modeling of processes and applications will be stressed. Conceptual material is supported through application of concepts to a comprehensive project that will require interaction with tools used to create logical models. Upon completion of the course, the student will have gained hands on experience with at least one modeling tool, will be able to model business logic, and will have a conceptual foundation of business modeling on which to build.

(State in measurable terms (reflective of course level) what students should be able to do when they have completed this course)

17. Course Content Outline:

| Covered Material (estimated schedule) |
| Week 1 Overview of computers and application development |
| Week 2 Elements of High Quality Programs |
| Week 3 Understanding Structure |
| Week 4 Making Decisions; Deliverable 1 (Project Proposal) |
| Week 5 Defining Business Rules [EXAM #1] |
| Week 6 Controlling Rule Quality |
| Week 7 Implementing Business Rules; Deliverable 2 (Basic Model) |
| Week 8 Managing Business Rules & Models |
| Week 9 Modeling the Technology Environment |
| Week 10 Event-Driven Analysis [EXAM #2] |
| Week 11 Event-Driven Analysis; Deliverable 3 (Enhanced Model) |
| Week 12 System Modeling with UML |
| Week 13 Data Modeling |
| Week 14 Advanced Data Modeling |
| Week 15 Project Due; (Full model sets appropriate to project, documentation notebook) [EXAM #3] |

(Provide a comprehensive, week-by-week breakdown of course content, including assignment due dates)

18. Assignments / Projects:

This course is designed to teach the student fundamentals of business process and application logical design. Modeling of processes and applications will be stressed. Conceptual material is supported through application of concepts to a comprehensive project that will require interaction with tools used to create logical models.

(List all quizzes, projects, reports, activities and other components of the course grade -- including a brief description of each assignment that clarifies its contribution to the course's learning objectives)

19. Rubric and Grading Scale:

This class is graded on the normal scale (90+ = A, etc.). Grades will be comprised of exams and a project.

The breakdown is as follows:

| Exams | 60% |
| Project Deliverables | 10% |
| Project (completed) | 30% |

(individual project: set of selected logical business system process and application models)

Total 100%
20. Justification for Graduate Credit:  

NA

(Include a brief statement explaining how the course meets graduate educational standards (i.e.: rigorous standards for evaluation, development of critical thinking and analytical skills, etc.))

(Included below are standard statements regarding course policies. If necessary, a statement may be altered to reflect the academic policies of individual faculty members and/or the academic unit or department, provided that there is no conflict with the Student Policy eHandbook, Faculty Handbook, or any existing university policy.)

POLICY STATEMENTS

Attendance: Although attendance is not required, students are expected to attend all classes, and will be held responsible for any content covered in the event of an absence.

Excused Absences: Students are granted excused absences from class for the following reasons: illness of the student or serious illness of a member of the student’s immediate family, the death of a member of the student’s immediate family, trips for student organizations sponsored by an academic unit, trips for university classes, trips for participation in intercollegiate athletic events, subpoena for a court appearance, and religious holidays. Students who wish to have an excused absence from class for any other reason must contact the instructor in advance of the absence to request permission. The instructor will weigh the merits of the request, and render a decision. When feasible, the student must notify the instructor prior to the occurrence of any excused absences, but in no case shall such notification occur more than one week after the absence. Appropriate documentation for all excused absences is required. Please consult the Student Policy eHandbook for more information on excused absences.

Make-Up Policy: Arrangement to make up a missed major examination (e.g.:hour exams, mid-term exams) due to properly authorized excused absences must be initiated by the student within one week of the end of the period of the excused absence(s). Except in unusual circumstances, such as the continued absence of the student or the advent of university holidays, a make-up exam will take place within two weeks of the date that the student initiates arrangements for it. Except in extraordinary circumstances, no make-up exams will be arranged during the last three days before the final exam period begins.

Academic Honesty Policy: All portions of the Auburn University student academic honesty code (Title XII) found in the Student Policy eHandbook will apply to university courses. All academic honesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee.

Disability Accommodations: Students who need accommodations are asked to electronically submit their approved accommodations through AU Access and to arrange a meeting during office hours the first week of classes, or as soon as possible if accommodations are needed immediately. If you have a conflict with my office hours, an alternate time can be arranged. To set up this meeting, please contact me by e-mail. If you have not established accommodations through the Office of Accessibility, but need accommodations, make an appointment with the Office of Accessibility, 1229 Haley Center, 844-2096 (TTY).
Approvals

Department Chair / Head

College / School Curriculum Committee

College / School Dean

Dean of the Graduate School (for Graduate Courses)

Assoc. Provost for Undergraduate Studies (for Undergraduate Courses)

Date

2/22/13

Date

2/22/13

Date

Date

Date

Contact Person:

E-Mail Address:

Telephone:

Fax:
Comparison of ISMN 3070 (as modified) and COMP 2710:

<table>
<thead>
<tr>
<th>Course:</th>
<th>ISMN 3070</th>
<th>COMP 2710</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hrs credit:</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Title:</td>
<td>Business System Logic and Modeling</td>
<td>Software Construction</td>
</tr>
<tr>
<td>Description:</td>
<td>Concepts, techniques, and tools for discovering, specifying, and modeling business logic are introduced, explored, and applied.</td>
<td>Intensive experience in software construction, to include topics such as testing, debugging, and associated tools; configuration management; low-level file and device I/O; systems and event-driven programming.</td>
</tr>
<tr>
<td>Focus:</td>
<td>Modeling Business Processes/Systems/Logic</td>
<td>Programming/Software Construction</td>
</tr>
</tbody>
</table>
| Content: | *Week 1 Overview of computers and application development  
*Week 2 Elements of High Quality Programs  
*Week 3 Understanding Structure  
*Week 4 Making Decisions; Deliverable 1 (Project Proposal)  
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*Week 11 Event-Driven Analysis; Deliverable 3 (Enhanced Model)  
*Week 12 System Modeling with UML  
*Week 13 Data Modeling  
*Week 14 Advanced Data Modeling  
*Week 15 Project Due; (Full model sets appropriate to project, documentation notebook) | *Administrative Stuff (Lecture 1)  
*C++ Intro: History, Basics, through Flow of Control (Lectures 1-2)  
*I/O: Basic, File (Lecture 3)  
*Functions: Basics, Overloading, Templates (Lectures 4-6)  
*Arrays (Lecture 7)  
*Structures & Classes: Basics, Constructors (Lectures 8 – 10)  
*Software Process (Basics of Analysis, Design, and Testing) (11-13)  
*Midterm Exam (Lecture 14)  
*Vectors and Iterators (Lecture 15)  
*Operator Overloading (Lectures 16-17)  
*Strings and Streams (Lectures 18-20)  
*Pointers & Dynamic Arrays (Lectures 21-24)  
*Inheritance and Polymorphism (Lectures 25-28)  
*Additional Topics covered as they occur: Separate Compilation, Makefiles, Templates  
*“Flex” Lectures (Lectures 29-31) |