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
   - [x] Revise a Course
     - Current Course Number:
     - Proposed Course Number:
     - Type of Revision: Content

6. Course Credit:
<table>
<thead>
<tr>
<th>Contact/Group Hours</th>
<th>Scheduled Type</th>
<th>Weekly or Per Term?</th>
<th>Credit Hours</th>
<th>Anticipated Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Hours</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Repeatability):</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Lecture</td>
<td>3</td>
<td>3</td>
<td>35</td>
</tr>
</tbody>
</table>

   Total Credit Hours: 3

7. Grading Type:
   - [x] 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.

9. Restrictions: List specific restriction in space above.
   - [x] 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:
    - [ ] Program Type
    - [ ] Program Title
    - (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)
    | Program Type (e.g.: minor, major, etc.) | Program Title (e.g.: MS in Chemistry, Performance Option, Minor in Art) | Requirement or Elective? (required or optional?) |
    |----------------------------------------|-------------------------------------------------|-----------------------------------------------|
    | 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
   - [x] 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/laboratory 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 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. Upon completion of the course, the student will have gained hands on experience with at least one modeling tool and will have a conceptual foundation 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:

<table>
<thead>
<tr>
<th>Covered Material (estimated schedule)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1 Overview of computers and application development</td>
</tr>
<tr>
<td>Week 2 Elements of High Quality Programs</td>
</tr>
<tr>
<td>Week 3 Understanding Structure</td>
</tr>
<tr>
<td>Week 4 Making Decisions; Deliverable 1 (Project Proposal)</td>
</tr>
<tr>
<td>Week 5 Looping</td>
</tr>
<tr>
<td>Week 6 Arrays</td>
</tr>
<tr>
<td>Week 7 Arrays; Deliverable 2 (Basic Model)</td>
</tr>
<tr>
<td>Week 8 File Handling and Application</td>
</tr>
<tr>
<td>Week 9 Advanced Data Handling Concepts</td>
</tr>
<tr>
<td>Week 10 Object-Oriented Programming</td>
</tr>
<tr>
<td>Week 11 Event-Driven Analysis; Deliverable 3 (Enhanced Model)</td>
</tr>
<tr>
<td>Week 12 Event-Driven Analysis</td>
</tr>
<tr>
<td>Week 13 System Modeling with UML</td>
</tr>
<tr>
<td>Week 14 Using Data</td>
</tr>
<tr>
<td>Week 15 Project Due; (Full model sets appropriate to project, documentation notebook)</td>
</tr>
</tbody>
</table>

(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%
Deliverables 10%
Project 30%
Total 100%
20. Justification for Graduate Credit: NA

(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, 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, 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, 1228 Haley Center, 644-2096 (VITT).
ISMN 3070
Business Computer Applications
Fall Semester – 2012
August 16th – December 6th

Instructor Information

Instructor    Jeremy D. Ezell
Office        220 Lowder Business Building
Office Hours  Tuesday, 10:00 a.m. – 12:00 a.m.
Phone         (334) 844-6537
E-mail        jde0009@auburn.edu

Please do not hesitate to contact me for any questions, comments, or help you may need with any aspect of this course. I am always happy to discourse with my students, especially about Programming!

General Course Information

Classroom
21 Lowder Business Building (First Floor on the West Side)

Class Times
Tuesday and Thursday: 2:00 – 3:15 p.m.
LAB time: Monday, 5:00 – 7:30 p.m. in 21 Lowder Business Building (same as our class)

Prerequisites
None

Textbook
Amazon.com link: An Introduction to Programming Using Visual Basic
Auburn University Bookstore Comparison Page: ISMN 3070 Ezell Textbook Compare

Course Objectives
This course provides an introduction to the basic concepts and skills associated with software systems development. The course focuses on introducing the students to Programming Logic in general, using the Microsoft Visual Basic .NET development language, and modern design and development of applications using an Integrated Development Environment (IDE).

Web Site
Supplemental information for the course is available in Canvas under the prescribed location for this course. The Web Site contains class notes, PowerPoint slides, class announcements, the course syllabus, exam dates, and other information for the course. It is your responsibility to check Canvas, as well as your campus email, for updates of the course materials, syllabus, and schedule, as there will be changes as we go through the semester. I will usually notify the class via email of changes as they are made on Canvas.
E-Mail
All students should have access to an Auburn University e-mail account. Email is a university approved form of communication. It is the student’s responsibility to make sure that they receive and comply with all e-mail communications, and check it regularly for class updates and communication.

Class Procedures

- The computers in Lab 21 are not fast, therefore, it is to your benefit to show up on time, or a few minutes early, so that you can have the visual studio environment loaded and ready to follow along with the lecture. If you show up late, you will be behind the entire class period.
- If you anticipate needing to leave before the class is over, please let me know before class starts, if possible.
- Bring your book with you to class every day.
- Please refrain from Texting, Facebooking, Twittering, Instagraming, Google+’ing, WOW’ing, Maple Story’ing, Angry Birds’ing, and any other ‘ing while in class. This is disruptive to the learning environment, and especially to those students that sit behind you!
- Make sure your cell phones are set to “vibrate” or “silence.”

Grading and Evaluation Criteria

Your final grade for the course will be determined using the weighting scheme shown below.

<table>
<thead>
<tr>
<th>Assignment Group</th>
<th>Percentage of Final Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading Quizzes</td>
<td>5%</td>
</tr>
<tr>
<td>Projects</td>
<td>25%</td>
</tr>
<tr>
<td>Regular Exams</td>
<td>60%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>10%</td>
</tr>
</tbody>
</table>

Determination of Final Grade

A = 89.5% or better, B = 79.5 – 89.4%, C = 69.5 – 79.4%, D = 59.5 – 69.4%, F = 59.5% or less

Grades:

Grades are not negotiable. Do not contact the instructor after the semester has ended to see if your grade can be changed for any reason other than an error on the part of the instructor. If I have made a mistake, I will be happy to correct it. I will not change a grade for any other reason.

Reading Quizzes

I am here to help you with any and all aspects of the course material. I will facilitate your learning process by using my previous experience in software development. ONLY YOU can put in the effort and time necessary for to effectively learn the material and gain the experience and skills necessary for you to be a skilled and experienced business applications programmer. Regular reading of the assigned sections of your textbook is critical to helping you gain these needed skills. With this said, I will regularly assign quizzes that will assess your knowledge of the assigned reading material. Assume that a quiz will occur on the day that an assigned section is due to be read by, but this may not always be the case!
Projects
There will be several projects throughout the term that will give you the opportunity to use the skills you have developed through the course to build an application that satisfies certain business needs and/or client specifications. Your grade for projects will be based on both professional practices and the degree to which your submission satisfies the specifications of the project. You will be provided with the rubric with which your project will be graded at the time the assignment is made.

Semester Project
One project will be a semester-long project that will involve students grouping into teams, and tackling a real-world issue of their choosing. This issue will be improved, automated, or refined by the team through the development of an application using Visual Basic .net. The rubric for the project will be thorough, with multiple deliverables due during the “Project Days” listed in the schedule. Finally, these teams will make presentations to the class, describing the problem, their logic in tackling the problem, and demonstrating the program developed live to the other class members, all in a professional manner. More details will be given regarding this project early in the semester.

Exams
Because the skills we learn early on are necessary to perform later, more complex tasks, all of the exams will be cumulative in nature. The major concepts that will be tested on each exam will come from the topics covered since the previous exam, but the nature of most of the new things we will cover will require mastery of the earlier material in the class. The exams will be take-home, as they will require you to demonstrate your programming skills further than a regular project.

Attendance Policy
Because of the interactive and hands-on nature of the material covered in this course. Your attendance is crucial to you gaining a long-term, running understanding of the concepts and practical skills needed to master modern applications development. With this said, attendance is not mandatory in this course, though it is highly recommended. BUT: Occasionally, reading quizzes will be given in-class. Your attendance is necessary for you to complete these.

Make-Up Policy

- Regular Projects:
Projects should be submitted via Canvas or Email (Instructor preference – to be announced in class) by 2:00 p.m. on the day that they are due. Late projects will be counted off 10% of the grade above and beyond any points lost for errors the project, for every day that they are late (2:00 p.m. the next day, and next, etc. . .).

- Exams:
Exams will be due by 12:00 noon on their required due dates. Usually, Exams will be assigned on a Thursday, and due by the next Monday, at 12:00 noon.
  o Unexcused late exams WILL NOT be accepted or graded. You will receive a 0.
  o Excused late exams will be accepted for up to 4 days after the exam due date. For example, if an exam is assigned on a Thursday, it is due by the next Monday at 12:00 noon, and if the student has a valid excuse, it will be due by the successive Friday at 12:00 noon, of that same week.
Excused absences include (Also refer to the Tiger Cub for “Approved Absences”:

- **Sickness**, for which an excuse is obtained and signed by a physician or nurse (not a receptionist). The illness must be either for the day the exam is due, or for the entire Thursday to Monday span.

- **Required Participation in an official University event**, for which an excuse is obtained and signed by the appropriate University official (Sports, etc. . .)

- **Extenuating Circumstances**: These will be handled on a case-by-case basis. You MUST contact me at least 1 week before the exam is due to have an extenuating circumstance considered.

- **Legitimate Emergencies for which advanced approval was not possible**: You must contact me as soon as possible on or after the due date and provide documentation of some sort that (1) the emergency was legitimate, and (2) advanced notification was not possible.

- **Reading Quizzes**: Quizzes based on the reading follow the same Excused and Unexcused absence policy as listed in the “Exams:” section above, with the absence occurring only for the day the quiz was given in-class. **Unexcused absences for a day when a quiz was given will result in a 0 for that quiz.**

**Academic Honesty**

All violations or alleged violations of the Student Academic Honesty Code (see SGA Code of Laws in the Tiger Cub) will be reported to the Office for the Vice President for Academic Affairs. Falsifying medical excuses is considered an Academic Honesty Violation. Students are expected to uphold the Auburn University Oath of Honor for all course work. This oath follows:

"In accordance with those virtues of Honesty and Truthfulness set forth in the Auburn Creed, I, as a student and fellow member of the Auburn family, do hereby pledge that all work is my own, achieved through personal merit and without any unauthorized aid. In the promotion of integrity, and for the betterment of Auburn, I give honor to this, my oath and obligation."

**Special Accommodations for Students with Disabilities**

Students who need special accommodations should make an appointment to discuss the Accommodations Memo with me during my office hours as early as possible during the beginning of the semester!! If my scheduled office hours conflict with other classes, please contact me and we will set up an appointment time for you to drop by my office. If you do not have an Accommodations Memo, but need special accommodations, contact The Program for Students with Disabilities, 1244 Haley Center, (334) 844-5943 (Voice T/O).

**Disclaimer**

The instructor reserves the right to change this syllabus and schedule at any time during the semester. Keep in mind that the schedule is tentative and IS LIKELY to change throughout the semester. Any changes will be announced in class and/or through your Auburn email account. Again, students are responsible for finding out about missed announcements or material covered in class.
Students who remain in this class agree that they have read and fully (and clearly) comprehend everything that is on this document in the same manner that is meant by the instructor.

**Tentative Schedule**

<table>
<thead>
<tr>
<th>Tuesday</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 21 Getting Started</td>
<td>16 Intro and Syllabus</td>
</tr>
<tr>
<td>Aug 28 Ch. 2: 2.1 - 2.2</td>
<td>23 Ch. 1</td>
</tr>
<tr>
<td>Sept 4 Ch. 3: 3.3</td>
<td>13 Ch. 3: 3.1-3.2</td>
</tr>
<tr>
<td>Sept 11 Ch. 4: 4.1 - 4.2</td>
<td>20 Ch. 4: 4.3 - 4.4</td>
</tr>
<tr>
<td>Sept 25</td>
<td>27 Ch. 5: 5.1</td>
</tr>
<tr>
<td>Oct 2 Ch. 5: 5.2-5.3</td>
<td>4 Ch. 6: 6.1</td>
</tr>
<tr>
<td>Oct 9 Ch. 6: 6.2 - 6.3</td>
<td>11 Ch. 6: 6.1</td>
</tr>
<tr>
<td>Oct 16 Ch. 7: 7.1 (Exclude 7.2)</td>
<td>Exam 2</td>
</tr>
<tr>
<td>Oct 23 Ch. 9: 9.1 - 9.2</td>
<td>18 Ch 7: 7.3 - 7.4</td>
</tr>
<tr>
<td>Oct 30** Ch. 9: 9.3 - 9.4</td>
<td>25</td>
</tr>
<tr>
<td>Nov 6 Ch. 11: 11.1</td>
<td>1 Ch. 10: 10.1</td>
</tr>
<tr>
<td>Nov 13</td>
<td>8 Ch. 11: 11.2 - 11.3</td>
</tr>
<tr>
<td>Nov 20 Thanksgiving Break</td>
<td>15 Exam 3</td>
</tr>
<tr>
<td>Nov 27 Project Days</td>
<td>22 Thanksgiving Break</td>
</tr>
<tr>
<td>Dec 4</td>
<td>29* Project Days</td>
</tr>
</tbody>
</table>

* Last day of regular class  
** Project Ideas Due  

*Final Exam: 4:00 - 6:00 p.m. Lowder 21*