Prefix & Number: ISM 2290/2296/2290/8296
Initial Term: Fall, 2009

Select One:
New ___ x ___ Delete ______ Course Modification ________

Type of modification:

_____ Number

_____ Title

_____ Prerequisites

_____ Grade Type

_____ Credit hours

_____ Description

Title: Advanced Programming Application Development

College/School: Business
Dept: Management

Abbreviated Title: Adv. Programming Applications (32 spaces total)

CREDIT OFFERED

Levels: (select all that apply)

___ None (Blank)
___ Undergraduate (U)
___ Graduate (G)
___ Professional (P)

Maximum: ___
Minimum: ______

Connector: (select one)

___ Fixed (F)
___ Variable (V)
___ Alternate (A)
___ To be Arranged (T)

Maximum Repeat: ___
(Total number of credit hours; not total number of times)

Session Duplicate:

yes ___ no ___

CONTROLS

Grading Rule: (select one except for 6000-level course. If 6000-level, leave blank)

___ Undergraduate (U)
___ Graduate (G)

Grading Type: (select one)

x Normal grading (Blank)
___ Pass/Fail only (SU)
___ Thesis/Dissertation (TD)

Term Offered: (select one)

x Not Specified (Blank)
___ Fall Only (F)
___ Spring Only (S)
___ Summer Only (M)
___ Fall, Spring (FS)
___ Intersession (I)
Prerequisites
Junior standing or above; ISMN 3070 with a grade of "C" or better, equivalent course, or
or department approval.

Corequisites

Description for Bulletin
Introduces students to programming language skills beyond
those gained in ISMN 3070 or equivalent course. Students will become familiar with programming languages
and skills used in today's business environment and enhances knowledge of designing and implementing
computer-based business solutions.

Credit will not be given for both ISMN 5290/5293 and ISMN 6290/6296

<table>
<thead>
<tr>
<th>Activities</th>
<th>Contact Group</th>
<th>Hours Indiv</th>
<th>Credit</th>
<th>Max Enroll</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st: LEC</td>
<td>3</td>
<td></td>
<td>3</td>
<td>30</td>
</tr>
<tr>
<td>2nd:</td>
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<td></td>
<td></td>
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<tr>
<td>3rd:</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Justification (Indicate reason for change)
Information Systems are an integral part of today's
organizations. Systems rely on programming, and students will work with programmers or perhaps engage
in programming in their careers. This class will expose students to new programming skills not currently
available in the curriculum and fills a much needed void of business-based programming courses at the
graduate level.

Additional resources or resource shifting required. If none, please explain.
No additional resources needed. Doctoral students may be used to teach undergraduate courses
in order to allow professors to teach this course.

Attach a copy of new syllabus to add course or to modify course except for changes in
prerequisites that involve letter grade or GPA.
Also, attach a copy of current syllabus for all changes except changes in prerequisites that
involve letter grade or GPA.
No attachment required to delete course.

Contact Person  Dianne Hall
Email  dhall@auburn.edu  Phone #  4-6443

Revised 5/24/02
Approvals

Undergraduate Requests

Department

Head

Date

College/School Curriculum Committee

Chair

Date

College or School

Dean

Date

University Curriculum Committee

Chair

Date

Graduate Requests

Department

Head

Date

College/School Curriculum Committee

Chair

Date

College or School

Dean

Date

Graduate Council

Chair

Date

University Curriculum Committee

Chair

Date
Instructor: Dr. Dianne Hall
410 Lowder Business Building
dhall@auburn.edu
844-6443
http://business.auburn.edu/~halldia

Class Hours:
Class Location:
Office Hours:
Students are encouraged to regularly check their university e-mail address for announcements.

Course Prerequisites
Junior standing or above; ISMN 3070 with a grade of "C" or better, equivalent course, or departmental approval.

Required Texts and Readings:

Description and Objectives of the Course
This course will introduce students to advanced programming concepts through the use of various programming languages. Students will engage in a number of exercises and projects that will enhance the ability to apply computer-based solutions to business problems. This course provides advanced material to students following the completion of an introductory programming course. The material is more complex and applied and allows previously learned concepts to be expanded and applied. This course expands the opportunities available to students in business-oriented application design.

Covered Material (estimated schedule)

<table>
<thead>
<tr>
<th>DATE</th>
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<tbody>
<tr>
<td>08-18</td>
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</tr>
<tr>
<td>09-01</td>
<td>Controls and Events</td>
</tr>
<tr>
<td>09-03</td>
<td>Complex Numeric and String Variables</td>
</tr>
<tr>
<td>09-08</td>
<td>Input Processes and sources</td>
</tr>
<tr>
<td>09-10</td>
<td>Output Processes and sources</td>
</tr>
<tr>
<td>09-15</td>
<td>EXAM 1 Chapters 1-3</td>
</tr>
<tr>
<td>Date</td>
<td>Topic</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------</td>
</tr>
<tr>
<td>09-17</td>
<td>Advanced Relational and Logical Operators</td>
</tr>
<tr>
<td>09-22</td>
<td>Advanced Decision Structures</td>
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<td>09-24</td>
<td>Sub procedures</td>
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<td>09-29</td>
<td>Functions and Design</td>
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<td>Case Study/Project in functions</td>
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<td>10-06</td>
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<td>Mid Semester – last day to drop</td>
</tr>
<tr>
<td>10-08</td>
<td>For loops, do while loops</td>
</tr>
<tr>
<td>10-13</td>
<td>EXAM 2 Chapters 4-6</td>
</tr>
<tr>
<td>10-15</td>
<td>Arrays</td>
</tr>
<tr>
<td>10-20</td>
<td>Searching and Sorting, dimensional arrays</td>
</tr>
<tr>
<td>10-22</td>
<td>Sequential Files</td>
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<td>10-27</td>
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<td>Advanced Form controls</td>
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<td>11-05</td>
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<td>Final Projects Due</td>
</tr>
<tr>
<td>Date not published</td>
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</tr>
</tbody>
</table>

**Grades**

This class is graded on the traditional grading system (90-100 A, 80-89 B, etc.). Grades will be comprised of exams, homework exercises, projects, and in the case of graduate students, mentoring. (See “Justification for Graduate Credit” for further detail on expectations from graduate students).

The breakdown is as follows:

**Undergraduate**
- Exams 65%
- Homework 15%
- Projects 20%

Total 100%

**Exams:** Exams will focus on examining the student’s grasp of basic material, including definitions, processes, and the ability to translate business cases into pseudocode. General concepts will be tested through a series of objective questions; complex concepts and pseudo-programming ability will be tested through short answer questions.

**Projects:** Students will be required to complete a series of projects over the material. Students will focus on workability of the program along with coding competence.
**Homework:** Homework will allow students and to focus on mastery of skills.

**Failure to Complete an Assignment**
Any assignment not received by the due date without prior notification (unless physically impossible) and a valid university excuse (see the Tiger Cub for details) will be given a grade of F.

**Approximate Assignment Due Dates**
TBA

**Communication:** I will use your Auburn University e-mail address (userid@auburn.edu) for course communication. It is your responsibility to contact the Information Technology Help Desk to have this address forward mail to the e-mail address that you regularly check.

**Academic Honesty:** ALL PORTIONS OF THE AUBURN UNIVERSITY HONESTY CODE (TITLE XI) FOUND IN THE TIGER CUB WILL APPLY TO THIS CLASS. 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.

**Special Accommodations for Students with Disabilities:** Auburn University is committed to providing accommodations and services to students with documented disabilities. Students who have questions or need special accommodations to participate in on-campus or distance education courses should contact The Program for Students with Disabilities, 1244 Haley Center, Auburn University, AL 36849; 334-844-2096 (Voice T/O); 334-844-2099 (Fax); email haynemd@auburn.edu; URL: http://www.auburn.edu/disability.

**Distance Learning Students**
Off-campus students will be expected to coordinate their exams with the proctor designated by the Student Services office of the Graduate Outreach office. For information on selecting a proctor, please see the information at http://www.eng.auburn.edu/gop/testproctors.htm.
Instructor: Dr. Dianne Hall  
410 Lowder Business Building  
dhall@auburn.edu  
844-6443  
http://business.auburn.edu/~halldia

Class Hours:  
Class Location:  
Office Hours:  
Students are encouraged to regularly check their university e-mail address for announcements.

Course Prerequisites  
Junior standing or above; ISMN 3070 with a grade of "C" or better, equivalent course, or departmental approval.

NOTE: Students may not take ISMN 6290 or 6296 if they have previously taken ISMN 5290 or 5293.

Required Texts and Readings:  
VB Programmers Forum http://www.maxvb.com/

Description and Objectives of the Course  
This course will introduce students to advanced programming concepts through the use of various programming languages. Students will engage in a number of exercises and projects that will enhance the ability to apply computer-based solutions to business problems. The synthesis of theory and practicality are paramount to understanding the subject and developing the ability to guide the current or future workplace toward efficient computer-based business solutions. Working with comprehensive projects will allow students to develop deep and practical understanding of the material. In addition, this course will fill a badly needed gap in graduate-level computer applications development for business.
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**Grades**

This class is graded on the traditional grading system (90-100 A, 80-89 B, etc.). Grades will be comprised of exams, homework exercises, and projects.

The breakdown is as follows:
- Exams 60%
- Homework 10%
- Projects 30%
Exams: Exams will focus on examining the student's grasp of the material, including definitions, processes, and the ability to translate business cases into pseudocode and code. Students are expected to synthesize the material at a deep level and will be required to analyze business problems and propose coded solutions. In addition, the student's ability to synthesize the material to demonstrate understanding will be tested through essay-styled questions.

Projects: Students will be required to complete a series of projects of increasing complexity. In addition to workability, the student is expected to present an appropriate solution to the given project, and that solution must contain complex code, advanced refinement, and the use of appropriate input and output sources such as data stores and interactive applications.

Homework: Homework will focus on mastery of skills that will be applied to projects.

Failure to Complete an Assignment
Any assignment not received by the due date without prior notification (unless physically impossible) and a valid university excuse (see the Tiger Cub for details) will be given a grade of F.

Approximate Assignment Due Dates
TBA

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Kevin - I need your help if possible, please. My department has decided not to go ahead with the advanced programming class at the undergraduate level but to go ahead at the graduate and outreach level (ISMN 6290/6296). What do I need to do to pull the undergraduate course request? Thanks.

Dr. Dianne Hall  
Management Information Systems  
Department of Management  
College of Business  
401 Lowder Business Building  
Auburn University  
Auburn, AL 36849-5241  
Phone: 334-844-6443  
Fax: 334-844-5159  
dhall@auburn.edu

>>> Kevin Snyder 2/27/2009 9:15 AM >>>

Dr. Hall:
Thank you for your prompt submission of the requested revisions. I have copied Fawn Willis on this response so that she can replace the existing version.

Please contact me if I can be of further assistance.

>>> Dianne Hall 2/26/2009 10:45 AM >>>

I’ve attached the revised syllabi. Please let me know if I need to make any additional changes. I will be out of town tomorrow and Monday.

Dr. Dianne Hall  
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Department of Management  
College of Business  
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Auburn University  
Auburn, AL 36849-5241  
Phone: 334-844-6443  
Fax: 334-844-5159  
dhall@auburn.edu

Kevin T. Snyder  
Coordinator II, Curriculum Management  
Office of Undergraduate Studies  
Auburn University  
129 Quad Center  
Phone: 334-844-4974
From: Dianne Hall  
To: Snyder, Kevin  
CC: Ford, Nelson  
Date: 6/19/2009 9:45 AM  
Subject: Questions  

Kevin, the ISMN faculty would like to make an existing class required. Can you please let us know what the process is?  

Also, please put ISMN 5290 back on the agenda. Now that we have straightened out the issues, we are ready to move forward with the request. If there is anything additional I need to do, please let me know.  

Thanks.  

Dr. Dianne Hall  
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ISMN 5290/5293/6290/6293 Bulletin Description:

Pr., Jr. standing; ISMN 3070 with C or better, or equivalent; or dept. approval. Programming languages and skills, with emphasis on designing and implementing computer-based business solutions.

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