Administrative Unit: Computer and Mathematical Sciences Department

Course Prefix and Number: CISS 320

Course Title: Systems Analysis and Design II

DIGITAL DESCRIPTIONS

<table>
<thead>
<tr>
<th>STUDENT DESCRIPTION:</th>
<th>PAY-HOUR DESCRIPTION:</th>
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<tbody>
<tr>
<td># Cr Hrs - # Lec Hrs - # Lab Hrs</td>
<td>Total # = Lec Hrs + Lab Hrs</td>
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<td>3 - 3 - 0</td>
<td>3 = 3 + 0 X 2/3</td>
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Catalog Description: A continuation of CISS 280. Explores the design and implementation of information systems, selection of alternatives, object-oriented design techniques, ISO 9001 quality assurance mechanisms. Prerequisite: CISS 280 with at least a grade of C. Offered Spring.

Prerequisites/Corequisites: CISS 280 with at least a grade of C.


Systems Analysis and Design Methods, Whitton, Bentley, and Barlow, Irwin.

Course Objectives: The principle objective of this course is to provide a range of concepts, tools, and techniques that collectively provide the student with the capabilities for systems analysis and design. The student should be able to organize, develop, construct and document effective computer-based systems.

Topical Outline: Major areas of coverage for this course (in combination with the first semester) include: Techniques and Methods for Systems Development; Data Modelling and Analysis; Process Modelling, Analysis and Design; Network Modeling; File and Database Design; User Interface Design; Program Design; Systems Implementation and Support. The students will review and apply concepts from the first semester, including: The function of a System's Analyst; The System's Development Life Cycle; Systems Analysis, Planning and Design; Project Management; Fact-Finding Techniques; Feasibility Analysis; Interpersonal Skills; ISO9001.
Recommended maximum class size for this course:  

Prepared by:  
Lawrence W. West  
Name  
Signature  

Date:  
December 4, 2002  

NOTE: The intention of this master course syllabus is to provide a general outline of the contents of this course, as specified by the faculty of Columbia College, regardless of who teaches the course, when it is taught, or where it is taught. This generic outline is not intended to restrict the way any individual faculty member teaches the course. The master syllabus, therefore, should be general enough to allow for a diversity of individual approaches to teaching the course, while at the same time it provides guidance on what the course should cover.