

EAST CAROLINA UNIVERSITY
College of Business
Detailed Course Information

I. Course
MIS 4163 Information Systems Analysis and Design
II. Instructor & Textbook Information
<p>All instructors in the College of Business are either academically or professionally qualified to teach their courses. All graduate classes are taught by faculty with terminal degrees in the relevant field of study. Faculty who teach online courses also teach face-to-face campus courses.</p> <p>To review current textbook information visit the bookstore's website: http://epos2.sequoiars.com/ePOS?form=cat.html&cat=1&store=458 and follow the link at the bottom of the page.</p>
III. Expanded Course Description
<p>The goal of the course is to introduce the student to the role of the system analyst in organizations. The student will be exposed to structured/process oriented and object oriented approaches. The student will utilize one of these approaches in a class project.</p> <p>Pre-requisites for this class are: MIS 3063</p>
IV. Course Objectives
<p>Students who successfully complete the course will be able to perform:</p> <ul style="list-style-type: none">• Information system/requirements analysis –<ul style="list-style-type: none">○ Know the terms and concepts of systems/requirements analysis○ How to analyze, develop and document existing and proposed information flows○ Data collection strategies and methods• Application system design –<ul style="list-style-type: none">○ Know the concepts that guide the system design○ Design an information system that meet user needs:<ul style="list-style-type: none">▪ output reports and screens▪ input documents▪ files▪ data storage and access strategies▪ software/programming specifications
V. Course Topics
<ul style="list-style-type: none">• Project initiation• Project management• Requirements determination• Use case analysis• Process modeling

- Data modeling
- System design
- Architecture design
- User interface design
- Program design
- Data storage design
- System implementation
- Change management
- Object oriented approach

VI. Required Coursework

Exact requirements may vary, but typically, to successfully complete this course, the student will be required to complete a group project which utilizes the concepts presented in the course.

VII. Course Communication & Interaction

VIII. Computer / Technical Requirements Additional notes / comments

The university recommends specific technology when taking an online class. These recommendations can be found at: <http://www.ecu.edu/ace> . All online courses require ready access to the Internet and a suitable personal computer.

In addition to the university requirements this class requires:

- a PC that supports Office / Windows 2000 or better (XP or 2003 is recommended)
- Microsoft Visio (2003 or 2007)

IX. Additional Information

Disabilities: ECU seeks to comply fully with the Americans with Disabilities Act (ADA). The Department for Disability Support Services adapts the generalized services to the specialized needs of individuals with disabilities. Students requesting accommodations based on a disability must be registered with the Department for Disability Support Services located in Slay 138 (252) 737-1016 (Voice/TTY). Additional program information is available at <http://www.ecu.edu/cs-studentlife/dss/>

Calendar: This class typically follows the standard ECU [academic calendar](#) for the semester in which it is taken.

X. Additional Notes/Comments

ECU maintains accreditation with [The Association to Advance Collegiate Schools of Business \(AACSB\)](#). To comply with the constant quality improvement objectives of the AACSB, adjustments are made to all course requirements. Contact the instructor for this class the semester you plan to take it to obtain detailed information.