

Cameron School of Business

University of North Carolina Wilmington
PROPOSAL FOR UNDERGRADUATE CURRICULUM CHANGE

Department or Academic Unit: Information Systems and Operations Management

Type of Proposal: Check all that apply and answer the questions below.

New Course (attach syllabus) Deletion of Course Degree Requirement Trial Course

Course Change (Check all that apply):

Prefix/Number Title Description Credit Hours Contact Hours

Pre/Corequisite Restrictive Statement Crosslist Uncrosslist

Other:

To become effective: Semester: Fall Year: 2009 To be offered: Fall Spring Summer

on Request Alternate Years

Current course prefix, number and title:

New course prefix, number and title: CIT 352 - Systems Administration

Abbreviated course title (30 spaces maximum): Systems Admin

Type of course: Lecture Seminar Lab Practicum Internship Other

Credit hours: 3 Credit hour change: From: To: Contact hours: 3 Contact hour change: From: To:

Restrictions (If repeatable the number of hours this course may be taken for credit, open only to students within the major, etc.):

Crosslisted with (course prefix and number): Uncrosslist with (course prefix and number):

(To crosslist/uncrosslist courses, a curriculum change form submitted by both departments is required.)

- Yes No Is this course a renumbering (it replaces an existing course)? If yes, which course?
- Yes No And should the existing course be deleted? (If yes, a separate curriculum change form requesting this deletion is required.)
- Yes No Is this course currently approved for basic studies?
- Yes No Will it be submitted for basic studies approval?
- Yes No Is this course currently approved for oral competency?
- Yes No Will it be submitted for oral competency approval?
- Yes No Is this course currently approved for computer competency?
- Yes No Will it be submitted for computer competency approval?
- Yes No Is it required for a major/minor/option in your department? (If yes, please provide in the degree requirement section below the necessary change for degree requirements description in catalogue.)
- Yes No Is it an elective for a major/minor/option in your department? (If yes, please provide in the degree requirement section below the necessary change for degree requirements description in catalogue.)

Degree requirement as it would appear in the catalogue (Include change to: total hours, new required courses, insertion and deletion of required courses, text, etc.) If additional space is required, prepare on a separate page using the format of the current catalogue and attach to this form.

This course is part of a new degree program in Information Technology. Attached is the Request to Establish a new degree program document that contains all of the degree requirements.

- Yes No Is it a collateral requirement or elective for a major/minor/option for another department? (If yes, attach documentation listing the departments/programs affected and verifying that the departments were consulted.)
- Yes No Are present staff and resources adequate to support this proposal? (If no, explain in the justification section how they will be provided.)

University of North Carolina Wilmington
PROPOSAL FOR UNDERGRADUATE CURRICULUM CHANGE

Course description change as it would appear in the catalogue (Course description change: 50 words or less; include prefix, number, title, credit hours, crosslisting, pre/corequisites, etc.)

CIT 352. Systems Administration (3) Prerequisites: MIS 323 or CSC 344. Implementation of systems administration concepts using either a UNIX or PC platform. Installation, configuration, maintenance, and operation of administrative domains, client and server services, service packs and patches, security management, disaster recovery, file system planning and structure, and automation management.

Justification for request or degree change:

This course is part of a new degree program in Information Technology. Attached is the Request to Establish a new degree program document.

Yes No Does this proposal require University Curriculum Committee (UCC) or Faculty Senate approval (refer to <http://www.uncw.edu/facsen/ucc/>)? (If yes, after college/school curriculum committee approval, forward proposal to the UCC and complete and submit the appropriate UCC form(s). If approved, this proposal must be signed by the UCC Chair and Faculty Senate President and forwarded to the Provost.)

Recommended and approved by:

Cem Canal 9-22-08
Department Chairperson Date

Dean of the College or School Date

*Chair, University Curriculum Committee Date

Chair, College or School Curriculum Committee Date

*President, Faculty Senate Date

Teacher Education Council (WSE use only) Date

Provost Date

*Obtain signatures of the UCC Chair and the Faculty Senate President only if required for this proposal.

Forms not filled out completely or lacking documentation will be returned.

Systems Administration

CIT 352

Course Information

Class Time and Location:
Instructor:
Office:
Office Hours:
Phone:
Email:

Course Description

Implementation of systems administration concepts using either a UNIX or PC platform. Installation, configuration, maintenance, and operation of administrative domains, client and server services, service packs and patches, security management, disaster recovery, file system planning and structure, and automation management.

Prerequisites

MIS 323 or CSC 344.

Textbook and Materials Required

Mastering Windows Server 2003, Mark Minasi, Sybex Publishing, April 2003, ISBN 0782141307

Handouts

Additional handouts will be used in this class throughout the semester. Check the course website for these documents.

Withdrawal Policy

Check the registrar's website to determine the Add / Drop date for this semester. Students who simply stop attending classes without officially withdrawing usually are assigned failing grades. Students wishing to withdraw after the scheduled change period (add/drop) must obtain and complete a withdrawal form from the Registrar's Office.

Project Requirements

All students in this course will be required to complete a project. Additional details will be given out in class.

Disabilities

If you have a disability and need reasonable accommodation in this course, you should inform me of this fact in writing within the first week of class or as soon as possible. If you have not already done so, you must register with the Office of Disability Services in Westside Hall (extension 3746) and obtain a copy of your Accommodation Letter. You should then meet with me to make mutually agreeable arrangements based on the recommendations of the Accommodation Letter.

Grading and

Grading Policy The distribution of the grades will be as follows.

Exams	30%
Topic paper	25%
Presentation	35%
Class participation and discussions	10%

The grading will be based on the following grading scheme (note +'s and -'s are NOT given in this course).

<i>Range</i>	<i>Grade</i>
90 - 100	A
80 - 89	B
70 - 79	C
< 70	F

The instructor retains the right to subjectively adjust an individual student's grade in appropriate cases, based upon observed performance.

All turned-in assignments will be neatly typed (word-processed) and printed with letter-quality type. Specific examples will be provided in class. Students failing to present the information completely, neatly and in the prescribed format will receive minimal credit for their work. Students should double check for spelling and grammar before submitting assignments.

Learning Outcomes

Virtually all organizations have IT needs. It is the role of the IT professional to design, select, apply, deploy and manage computing systems to support the organization. This knowledge area consists of those skills and concepts that are essential to the administration of operating systems, networks, software, file systems, file servers, web systems, database systems, and system documentation, policies, and procedures. This also includes education and support of the users of these systems.

SA 1. Operating Systems

Topics:

Installation

Configuration

Maintenance (service packs, patches, etc.)

Server services (print, file, DHCP, DNS, FTP, HTTP, mail, SNMP, telnet)

Client services

Support

Core learning outcomes:

1. Install at least one current operating system.
 2. Discuss the importance of system configuration for an organization.
 3. Describe the importance of system maintenance for an organization.
 4. Identify situations in which a system needs to be reconfigured.
 5. Describe when a system requires maintenance.
 6. Distinguish between server and client services.
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7. Identify situations in which a support organization needs to be consulted in resolving operating system issues.

Advanced learning outcomes:

1. Evaluate various operating systems and recommend a particular operating system to satisfy given needs.
2. Modify the configuration of an operating system.
3. Analyze the pros and cons of installing service packs and updates.
4. Recommend when service packs and operating system updates should be installed.
5. Install service packs and operating system updates.
6. Install various server and client services.

SA 2. Applications

Topics:

Installation

Configuration 107

Maintenance (service packs, patches, etc.)

Server services (database, web, network services, etc.)

Client services

Support

Core learning outcomes:

1. Install at least one current application.
2. Discuss the benefits of custom configuration of applications.
3. Describe the importance of application maintenance for an organization.
4. Identify when an application meets the needs of an organization.
5. Describe when an application no longer meets the needs of an organization.
6. Distinguish between server and client services.
7. Identify situations in which a support organization needs to be consulted in resolving application issues.

Advanced learning outcomes:

1. Summarize several methods to push a custom configuration of applications to users.
2. Assess an application's ability to continue to meet a given organizational need.

SA 3. Administrative Activities

Topics:

Content management

Content deployment (file system planning and structure)

Server administration and management

User and group management

Backup management

Security management

Disaster recovery

Resource management

Automation management (automatic job scheduling)

Site management notebooks and documents

System support
User support and education

Core learning outcomes:

1. Describe the need for managing IT resources.
2. Identify situations in which administrative activities are required.
3. Identify situations which interfere with administrative activities.
4. Explain the need for policies governing IT systems.
5. Explain why users need to be trained on IT systems and policies.

Advanced learning outcomes:

1. Explain the benefits of content management within an organization.
2. Explain the need for content deployment.
3. Identify and explain the responsibilities associated with server administration and management.
4. Explain the benefits of managing users and groups.
5. Create policies governing IT systems.

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6. Compare and contrast the benefits of automation management.
7. Design and deliver training sessions on IT systems and policies.
8. Compose a timeline for an IT project, given a budget and list of resources.
9. Compare and contrast proactive administrative activities and reactive administrative activities.
10. Prioritize a list of administrative activities for IT, to support an organization's mission statement.

SA 4. Administrative Domains

Topics:

Web domain
Network domain
Database domain
OS domain
Support domain

Core learning outcomes:

1. Describe the responsibilities common to the various administrative domains.
2. Describe the responsibilities unique to each of the various administrative domains.
3. Identify responsibilities in each domain that support activities in other domains.

Advanced learning outcomes:

1. Justify how you would allocate resources for the various administrative domains.

**Academic
Dishonesty
Offenses**

"Violation of any of the following standards subjects any student to disciplinary action:

A. PLAGIARISM

Plagiarism means the appropriation, buying, receiving as a gift, or obtaining by any means another person's work and the unacknowledged submission or

incorporation of it in one's own work. It is doubly unethical, since it deprives the true author of his/her rightful credit and then gives that credit to someone to whom it is not due. The following three examples of plagiarism are described by Harold C. Martin and Richard M. Ohmann in their book *The Logic and Rhetoric of Exposition* (1963):

1. **Word-for-Word copying.** Whenever someone else is directly quoted, honesty and courtesy require acknowledgment of the source. The quoted material should be placed in quotation marks and its exact location should be indicated, either in the text of the student's paper or in a footnote.

2. **The mosaic.** To intersperse a few words of one's own here and there while basically copying the work of another is obviously unethical, unless one clearly acknowledges that this is being done. Should there be a valid reason for doing so then quotation marks or a general footnote should be used to show what belongs to the source and what one's own contribution is.

3. **The paraphrase.** Once more the crucial point is acknowledgment. Sometimes one can paraphrase in order to simplify, abbreviate, or improve upon an original, but the reader deserves to know what is being presented to him and whose work it represents. Therefore, acknowledgment of the source is required within the text of the student's paper or by footnote.

B. BRIBERY

The offering, giving, receiving or soliciting of any consideration in order to obtain a grade or other treatment not otherwise earned by the student through his/her own academic performance.

C. CHEATING

1. Any conduct during a program, course, quiz or examination which involves the unauthorized use of written or oral information, or information obtained by any other means of communication.

2. The unauthorized buying, selling, trading or theft of any examination, quiz, term paper or project.

3. The unauthorized use of any electronic or mechanical device during any program, course, quiz, or examination or in connection with laboratory reports or other materials related to academic performance.

4. The unauthorized use of laboratory reports, term reports, theses, or written materials in whole or in part.

5. The unauthorized assistance or collaboration on any test, assignment, or project.

6. The unauthorized use by a student of another student's work or the falsification of any other student's work.

7. Participating in, or permitting any of the above activities as defined in C 1-6."
(UNCW Academic Honor Code)
