

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 110 - Introduction to Information Technology

Abbreviated course title (30 spaces maximum): Intro Information Technology

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 110. Introduction to Information Technology (3) Information representation, the Internet and HTML, algorithmic thinking and programming, language translation, modeling and abstraction, algorithmic complexity and non-computability, machine architecture and parallel computation, networks and communication database principles, multimedia, social impacts of computing.

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/faesen/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:

Cern Carol                      9-22-09  
Department Chairperson                      Date

\_\_\_\_\_  
Chair, College or School Curriculum Committee      Date

\_\_\_\_\_  
Teacher Education Council (WSE use only)                      Date

\_\_\_\_\_  
Dean of the College or School                      Date

\_\_\_\_\_  
\*Chair, University Curriculum Committee                      Date

\_\_\_\_\_  
\*President, Faculty Senate                      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.**

# Introduction to Information Technology

## CIT 110

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### Course Information

**Class Time and Location:**  
**Instructor:** Laurie Patterson  
**Office:** CI 2040  
**Office Hours:**  
**Phone:** 962-3906  
**Email:** pattersonL@uncw.edu

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### Course Description

Information representation, the Internet and HTML, algorithmic thinking and programming, language translation, modeling and abstraction, algorithmic complexity and non-computability, machine architecture and parallel computation, networks and communication database principles, multimedia, social impacts of computing.

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### Prerequisites

None.

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### Textbook and Materials Required

Fluency with Information Technology (3rd ed.) by Snyder, Addison-Wesley, 2006.

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### 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.

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### Requirements

Evaluation will be based upon:

1. class participation...to be assigned by the instructor at the end of the semester
2. homework assigned at the end of each chapter...questions (15%)
3. labs and projects (35%)
4. two tests, and a comprehensive Final Exam (50%)

Any submissions of assignments after 48 hours after the end of class in which the assignment is given will be considered late. For assignments other than chapter questions, you may submit three late assignments with no penalty. This policy is meant to cover absence, illness, emergencies, car problems, accidents, medical issues, etc. without requiring explanations. Fourth and subsequent late labs will receive half credit. Chapter questions are due on the date noted on the syllabi.

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**Grading and  
Grading Policy**

The assignments will count for one-third of the final grade and the exams will count for the other two-thirds. The instructor will use attendance to determine if you move UP to the next grade level or DOWN a grade level.

This will be determined by :

$$\begin{aligned} & \left( \frac{\text{((adding all the assignment grades)/total possible assignment points)} \times .33}{\text{}} \right) \\ & + \left( \frac{\text{((adding all the exam grades)/total possible exam points)} \times .66}{\text{}} \right). \end{aligned}$$

A plus/minus system will be used to assign final grades using the following scale:

	87-89 B+	77-79 C+	67-69 D+	
93-100 A	83-86 B	73-76 C	63-66 D	0-59 F
90-92 A-	80-82 B-	70-72 C-	60-62 D-	

Incomplete grades are given rarely and only in very specific situations:

- First, the student must be passing.
- Next, the student must be able to complete the work of the course entirely on his or her own.
- Finally, the student must be prevented from completing the course by verified, unforeseen circumstances beyond the control of the student. These conditions must be documented and verified by both instructors before an incomplete grade may be given.

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**Disabilities**

If you have a disability and need reasonable accommodation in this course, you should inform the instructor 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 the Office of Disability Services in Westside Hall (ext. 3746) and obtain a copy of your Accommodation Letter. You should then arrange a meeting to make mutually agreeable arrangements based on the recommendations of the Accommodation Letter.

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**Learning  
Outcomes**

As a result of completing this course, students will be able to:

- Demonstrate knowledge of the fundamental issues that the course addresses.
  - Demonstrate mastery of various skills that the course addresses.
  - Accomplish projects that may be assigned to synthesize these two items.
  - Understand any article about IT in a non-technical article (e.g., NY Times).
  - Be confident about using IT in your life and in your career.
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**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.
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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)

Tentative Schedule	Day	Lecture	Readings
	1	<u>Welcome</u> Introduction	
2	Chapter 1 <i>Defining Information Technology</i>	<ul style="list-style-type: none"> <li>• LAB A: QUESTIONNAIRE (given in class and submitted during class via Blackboard)</li> </ul>	
3	Chapter 1 <i>Defining Information Technology</i>	<ul style="list-style-type: none"> <li>• Chapter 1 Questions DUE in Blackboard (under "Assessments")</li> </ul>	
4	Chapter 2 <i>Exploring the Human-Computer Interface</i>	<ul style="list-style-type: none"> <li>• LAB B: Windows Skills</li> </ul>	
5	Chapter 3 <i>The Basics of Networking</i>	<ul style="list-style-type: none"> <li>• Chapter 2 Questions DUE in Blackboard (under "Assessments")</li> <li>• LAB C: INTERNET BASICS DUE: 01/23</li> <li>• PROJECT 1: HTML assignment given</li> </ul>	
6	Chapter 4 ( <u>Student Web Pages</u> ) <i>A Hypertext Markup Language Primer</i> ( <u>HTML Resources</u> )	<ul style="list-style-type: none"> <li>• Chapter 3 Questions DUE in Blackboard (under "Assessments")</li> <li>• <u>LAB D</u>: 1st HTML Due in class</li> <li>• <u>LAB E</u>: 2nd HTML Due by midnight</li> </ul>	
7		<ul style="list-style-type: none"> <li>• Chapter 4 Questions DUE in Blackboard (under "Assessments")</li> <li>• <u>LAB F</u>: 3rd HTML Due in clas</li> <li>• LAB time for working on the HTML <u>project...</u></li> </ul>	
8	Chapter 5 <i>Locating Information on the WWW</i>	<ul style="list-style-type: none"> <li>• Chapter 5 Questions DUE in Blackboard (under "Assessments")</li> <li>• PROJECT 1: DUE MONDAY!!!</li> </ul>	
9	Chapter 6 <i>Case Study in Online Research</i>	<ul style="list-style-type: none"> <li>• <u>PROJECT 2</u>: WORD RESEARCH assignment given <ul style="list-style-type: none"> <li>○ <u>Word Processing Basics Using MS Word</u></li> <li>○ MS Word Layout and Graphics</li> </ul> </li> </ul>	

		<u>Feature</u>
10	<b>Chapter 7</b> <i>An Introduction to Debugging</i>	<ul style="list-style-type: none"> <li>• Chapter 6 Questions DUE in Blackboard (under "Assessments")</li> <li>• <u>LAB H: Debugging</u> <u>ttt_testing.htm</u> file o.gif x.gif blank.gif</li> </ul>
11	Lab Day for "catch up"	<ul style="list-style-type: none"> <li>• Chapter 7 Questions DUE in Blackboard (under "Assessments")</li> <li>• Study Guide picked up in class</li> </ul>
12	<u>TEST REVIEW</u> <u>PPTs</u>	
13	TEST ** TEST ** TEST: Chapters 1 - 7	
14	<u>EXAM REHASH</u>	
15	<b>Chapter 8</b> <i>Representing Information Digitally</i>	<ul style="list-style-type: none"> <li>• PROJECT 2: WORD RESEARCH DUE</li> <li>• LAB I: Hexadecimal Math <b><u>IN CLASS ONLY</u></b></li> </ul>
16	<b>Chapter 9</b> <i>Principles of Computer Operation</i>	<ul style="list-style-type: none"> <li>• Binary Computer!</li> </ul>
17	<b>Chapter 9</b> <i>Principles of Computer Operation</i>	<ul style="list-style-type: none"> <li>• Chapter 8 Questions DUE in Blackboard (under "Assessments")</li> </ul>
18	<b>Chapter 10</b> <i>Algorithmic Thinking</i>	<ul style="list-style-type: none"> <li>• Chapter 9 Questions DUE in Blackboard (under "Assessments")</li> <li>• <u>LAB J: Algorithms</u></li> </ul>
19	<b>Chapter 18</b> <i>Fundamental Concepts Expressed in JavaScript</i>	<ul style="list-style-type: none"> <li>• Chapter 10 Questions DUE Saturday in Blackboard (under "Assessments")</li> <li>• LAB K: JavaScript #1 Due by midnight</li> </ul>
20	<b>Chapter 18</b> <i>Fundamental Concepts Expressed in JavaScript</i>	<ul style="list-style-type: none"> <li>• <u>LAB L: JavaScript #2</u> Due by midnight</li> </ul>
21	<b>Chapter 19</b> <i>A JavaScript Program</i>	<ul style="list-style-type: none"> <li>• Chapter 18 Questions DUE in Blackboard (under "Assessments")</li> <li>• <u>LAB M: JavaScript #3</u> modulo</li> </ul>
22	<b>Chapter 20</b> <i>Programming Functions</i>	<ul style="list-style-type: none"> <li>• Chapter 19 Questions DUE in Blackboard (under "Assessments")</li> <li>• <u>Lab G: Iteration</u> Due by midnight</li> <li>• PROJECT 3: JavaScript Misc.</li> </ul>

		Programs assignment given
23	<b>Chapter 21</b> <b>Iteration Principles</b>	<ul style="list-style-type: none"> <li>JavaScript <u>PowerPoints</u> for review</li> </ul>
24	<b>Chapter 21</b> <b>Iteration Principles</b>	<ul style="list-style-type: none"> <li><u>LAB N</u>: JavaScript #4 HiLo Due by midnight</li> </ul>
25	<b>Chapter 22</b> <b>Case Study in Algorithmic Problem Solving</b>	<ul style="list-style-type: none"> <li>Chapter 21 Questions DUE in Blackboard (under "Assessments")</li> <li>PROJECT 3: JavaScript Misc. Projects DUE</li> </ul>
26	<b>Lab Time</b>	
27	<b><u>TEST REVIEW</u></b>  <b><u>JavaScript practice test</u></b>	
28	<b>TEST ** TEST ** TEST:</b> <b>Chapters 8-10, 18 - 22</b>	
29	<b><u>Chapter 11</u></b> <b><u>Representing Multimedia Digitally</u></b>	
30	<b>Chapter 12</b> <b>Social Implications of IT</b>	<ul style="list-style-type: none"> <li>Chapter 11 Questions DUE in Blackboard (under "Assessments")</li> </ul>
31	<b>Chapter 12</b> <b>Social Implications of IT</b>	
32	<b>Chapter 13</b> <b>The Basics of Spreadsheets</b>	<ul style="list-style-type: none"> <li>Chapter 12 Questions DUE in Blackboard (under "Assessments")</li> </ul>
33	<b>Chapter 13</b> <b>The Basics of Spreadsheets</b>	<ul style="list-style-type: none"> <li><u>LAB O</u>: Cryptography EXTRA CREDIT ...printout and submit via paper</li> </ul>
34	<b>Chapter 14</b> <b>Introduction to Database Concepts</b>	<ul style="list-style-type: none"> <li><u>LAB P</u>: Spreadsheets <u>Lab P file</u></li> <li><b>PROJECT 4: SPREADSHEETS</b> assignment given <ul style="list-style-type: none"> <li><u>Spreadsheet Concepts Using Microsoft Excel</u></li> <li><u>Spreadsheet Concepts: Creating Charts in MS Excel</u></li> <li><u>Debugging Concepts Using MS Excel</u></li> </ul> </li> <li>Chapter 13 Questions DUE in Blackboard (under "Assessments")</li> </ul>
35	<b>Chapter 15</b> <b>Database Queries</b>	<ul style="list-style-type: none"> <li>Chapter 14 Questions DUE</li> </ul>

			in Blackboard (under "Assessments")
36	<b>Chapter 16</b> <i>Case Study in Database Design</i>		<ul style="list-style-type: none"> <li>• Chapter 15 Questions DUE in Blackboard (under "Assessments")</li> <li>• <u>LAB R: Databases Lab R file</u></li> </ul>
37	<b>Chapter 16</b> <i>Case Study in Database Design</i>		<ul style="list-style-type: none"> <li>• PROJECT 4: SPREADSHEETS DUE</li> <li>• PROJECT 5: DATABASES (Extra Credit) assignment given <ul style="list-style-type: none"> <li>○ <u>Database Concepts Using MS Excel</u></li> <li>○ <u>Database Concepts Using MS Access</u></li> <li>○ <u>Advanced Database Concepts Using MS Access</u></li> </ul> </li> </ul>
38	<b>Chapter 17</b> <i>Privacy and Digital Security</i>  <u>MS Word Flaws</u>		<ul style="list-style-type: none"> <li>• NO questions for Chapter 16 DUE</li> </ul>
39	<b>Chapter 23</b> <i>Limits to Computation</i>		<ul style="list-style-type: none"> <li>• Chapter 17 Questions DUE in Blackboard (under "Assessments")</li> </ul>
40	<b>Chapter 23</b> <i>Limits to Computation</i>		
41	<b>Parallel Computation</b>  <b>Chapter 24</b> <i>A Fluency Summary</i>		<ul style="list-style-type: none"> <li>• Chapter 23 Questions DUE in Blackboard (under "Assessments")</li> <li>• Computing Limits In-class Activity</li> </ul>
42	<u>TEST REVIEW</u>		<ul style="list-style-type: none"> <li>• PROJECT 5: DATABASES DUE</li> </ul>