

Course	ITM 5100/71 Information and Communications Systems and Networks
Term	Summer 2008
Instructor	Alan Holbrook Cell Phone: 321-604-2956 E-Mail: alan@alannet.com (Please include "ITM5100" in subject line) Office Hours: Thirty minutes before class, and by appointment
Catalog Description	This course introduces students to the technical aspects of information and communications networks and technology. The course focuses on the interdependencies among information and communications technologies and architectures. Emphasis will be placed on the fundamentals of networks (LAN and WAN).
Prerequisites	NONE, However ITM 5000 – Information Technology Management – Overview is a good foundation course.
Course Level Learning Outcomes	After completing this course, students will: <ul style="list-style-type: none">• know and explain the important technical terminology, concepts, principles, techniques, and theories related to the technical aspects of information and communications networks and technologies, with an emphasis on the fundamentals of networks (LAN and WAN).• explain the interdependencies among information and communications technologies and architectures.• have the technical knowledge and background needed to explain data and voice communications systems and networks, and the interconnectedness of these technologies.
Materials	REQUIRED TEXT(S): Business Data Networks and Telecommunications, 6/e, by Raymond R. Panko, Prentice Hall, 2007, ISBN: 9780132214414 SUPPLEMENTAL MATERIAL; Selected documents and/or articles that are relevant to lecture, discussion, or research activities may be provided or assigned throughout the term. A selected booklist may also be provided for optional outside reference.

Grading	COURSE REQUIREMENTS:	% OF GRADE																				
	a. Class participation	10%																				
	b. Completion of weekly assignments and class group work	20%																				
	c. Completion of a term research paper	20%																				
	d. Quiz Totals	25%																				
	e. Final exam	25%																				
<p>Taking the numerical score from the formula above and converting it to the appropriate letter grade from the chart determine the student's letter grading for the course.</p> <table border="1" data-bbox="678 827 1084 1360"> <thead> <tr> <th>Letter Grade</th> <th>Numerical Score</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>96-100% (4.0)</td> </tr> <tr> <td>A-</td> <td>91-95% (3.67)</td> </tr> <tr> <td>B+</td> <td>87-90% (3.33)</td> </tr> <tr> <td>B</td> <td>82-86% (3.0)</td> </tr> <tr> <td>B-</td> <td>78-81% (2.67)</td> </tr> <tr> <td>C</td> <td>70-77% (2.0)</td> </tr> <tr> <td>F</td> <td>69 & below (0)</td> </tr> <tr> <td>I</td> <td>Incomplete (0)</td> </tr> <tr> <td>W</td> <td>Withdrew</td> </tr> </tbody> </table>			Letter Grade	Numerical Score	A	96-100% (4.0)	A-	91-95% (3.67)	B+	87-90% (3.33)	B	82-86% (3.0)	B-	78-81% (2.67)	C	70-77% (2.0)	F	69 & below (0)	I	Incomplete (0)	W	Withdrew
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Activities	<p>General Activities:</p> <ul style="list-style-type: none"> • Lectures and internal class projects • Facilitated discussion of assigned readings • Weekly research and class discussions. • Term (research) paper • Weekly quizzes • Final exam 																					

	<p>Contact Hours for this Course It is essential that all classes meet for the full instructional time as scheduled. A class cannot be shortened in length. If a class session is cancelled for any reason, it must be rescheduled.</p>
<p>Course Policies</p>	<p>Attendance at all class sessions is expected.</p> <p>READING ASSIGNMENTS: Students are expected to read assigned material prior to scheduled classes. This includes supplemental readings as assigned. Supplement readings will include handouts and/or assignments for review and research on the Internet.</p> <p>QUIZZES: There will be regular quizzes during the term. These will be given at the beginning of class and will be closed book, closed notes. Weekly quizzes will cover all assigned reading material and class discussions.</p> <p>FINAL EXAM: Closed book, closed notes.</p> <p>TERM PAPER: Students will be expected to complete a term research paper. Subjects/topics will be discussed during the first week of class. Details will be provided during the first week of class. Term papers will be due on week 8. In addition to the written paper, students should prepare a class presentation on the results of their research.</p> <ul style="list-style-type: none"> • The instructor will assign topics the first week of class. • The term paper should be at least 12 pages not including title pages, table of contents, and attachments. • Prepare and present an Executive Presentation for oral delivery to the class in Week 8 or 9 as determined by the instructor. • Presentations will be subject to a time limit. • Presentations may include view graphs, PowerPoint presentations, handouts, or other audio visual aids as required. <p>Term Paper Grading - The paper and presentation will be graded based on the following:</p> <ul style="list-style-type: none"> • Accuracy/quality of research and quality of written paper - 75% • Class Presentation 25% - will be evaluated on <ul style="list-style-type: none"> ○ Proper introduction ○ Proper level for audience ○ Consistent technical/management topic level ○ Quality of presentation material ○ Proper summary ○ Not reading notes or slides ○ Within time limit ○ Speakers knowledge of topic ○ Overall presentation <p>The term paper will use secondary (literature) research, and the development of</p>

	<p>an actionable proposal related to the student’s principal work area. Students should use the term paper guidelines on the Webster Space Coast home page under student services. The term paper will be graded using the Guidelines for grading a paper on the home page.</p> <p>The paper will indicate references using the APA style. The term paper guideline demonstrates common type references. If you have a reference type not covered in the term paper guidelines then the student should refer to the APA home page for assistance.</p> <p>References must be from refereed journals similar to those found in Webster’s Passport electronic library. References from newspapers and periodical magazines written for the general public are unacceptable for graduate research work. The student must justify that a homepage is a creditable source before it can be used.</p> <p>The final student paper is due in Week 8 unless otherwise specified by the instructor.</p> <p>DELIVERABLES: All assignments should be turned in at the beginning of class the day they are due. Late deliverables will be accepted if prior arrangements have been made with the instructor, but will be given reduced points based upon the number of class sessions that the deliverable is late.</p>
Week 1 Schedule	PREPARATION FOR CLASS: Chapter 1 – 2- Introduction to the Course; Fundamental Concepts, Network Standards
Week 2 Schedule	PREPARATION FOR CLASS: Chapter 3- Physical Layer Quiz Topic 1 HW
Week 3 Schedule	PREPARATION FOR CLASS: Chapter 4 – 5- Ethernet LANS/ Wireless LANS Topic 1 Due
Week 4 Schedule	PREPARATION FOR CLASS: Chapter 6 - Telecommunications Quiz Topic 2 HW
Week 5 Schedule	PREPARATION FOR CLASS: Chapter 7 Wide Area Networks Topic 2 Due

Week 6 Schedule	PREPARATION FOR CLASS: Chapter 8 TCP/IP Quiz Topic 3 HW
Week 7 Schedule	PREPARATION FOR CLASS: Chapter 9- Security Topic 3 Due
Week 8 Schedule	PREPARATION FOR CLASS: Chapter 10 -11 - Network Management and Applications
Week 9 Schedule	PREPARATION FOR CLASS: Term paper presentation due. FINAL EXAM

PURCHASING TEXTBOOKS--Most textbooks can be purchased through **MBS Direct**. Check the syllabus for textbook information. Give MBS Direct the campus location (for the purpose of ordering books the campus is **Space Coast Campus**, course name, number and section number (i.e. Space Coast Campus, COMP5000/64) and most important, the **title, author, edition, and ISBN** of the book you are ordering. MBS Direct will buy back your book at the end of the term should you elect not to retain it as a reference book. Order by phone or online. Orders should be placed no earlier than 4 weeks prior to the start of the term.

MBS Direct: 1-800-325-3252

MBS Direct Website is

www.mbsdirect.net/webster

Monday-Thursday 7am-10pm(Central Time)

Friday 7am-6pm (Central Time)

Saturday 8am-5pm (Central Time)

Sunday noon-4pm (Central Time)

In order to meet the course objectives this syllabus may be modified at the discretion of the instructor without approval of the students.

Original approved by:

Dr. Calvin D. Fowler, Space Coast Region Academic Dean, April 21, 2008

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