

## Systems and Applications I

ITS 220 A01-A04, Spring '07/'08, Call # 04093, 04094, 04095, 07490

Class Meetings: MWF 9:10-10, RTVC 027  
T 1-3 (A01), Th 1-3 (A02), T 3-5 (A04), and Th 3-5 (A03)  
Final Exam Time: Thursday, June 12, 10:10am (1 hour)  
Text Book: Annabel Dodd, "The Essential Guide to Telecommunications", 4<sup>th</sup> ed.  
Class Web Site: <http://www.its.ohiou.edu/kruse/its220>

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Office Hours: See <http://www.its.ohiou.edu/kruse>

*This syllabus outlines the structure and rules for this class. For specific information on the content of the class, assignments, and assignment dates, please consult the web site.*

### Learning Outcomes

In ITS 220, we will study the components required to create wide area networks, as well as the companies who provide these components. We will also study the customer premise equipment needed to provide voice and video communications to the end user. A more detailed list of of class objectives and outcomes are on the web site.

A class calendar will be kept on the class web site; this calendar will be updated continually. I may adjust what we cover, and when we cover it, based on our progress during the quarter. Presentation materials used in class will be made available on the web site; sometimes this will be done before the class, more often the update will take place a few hours after class.

### Assigned and Supplementary Readings

Readings will come from the text book unless noted otherwise; other readings may be on the class web site, or may be handed out in class. You are expected to complete the reading assignments prior to the class meeting for which the reading is assigned. Unannounced quizzes may be given covering the readings.

You should plan to read trade publications regularly during the quarter to test your ability to apply text book knowledge, and to be better able to ask questions.

### Homework and Report Assignments

Homework assignments will be handed out in class and posted on the web site. Depending on the nature of the assignment, they may be due the next day for simple assignments, or you may have up to a week to complete a more complex task. Assignment due dates will be indicated on each assignment and on the web site. Assignments are always due in class unless otherwise noted. **Late assignments will not be accepted -- no exceptions!** Assignments missed due to excused absences can be made up.

You are required to complete one report on a topic being discussed in class. Instructions and topic assignments for the reports will be posted on the web site. This assignment will involve the synthesis and analysis of materials; critical and original thinking is required. Reports are due in class on the date assigned. Grades will be reduced 25% per day for late reports.

Homework and report assignments must be submitted in typewritten form unless otherwise noted; spelling and grammar should be correct. Appropriate (i.e. business) writing style should be used; make sure that quotations are properly marked. A bibliography is required for the report.

### Lab Projects:

During the quarter, you will complete 8 lab assignments using the equipment in the ITS Applications Lab, room 115 RTVC building. You will be performing the lab experiments in groups of 3-4 students. Please make careful note of the lab times associated with the class section you have registered for.

Lab descriptions will be available by Friday prior to the week in which the labs take place. Two lab projects will be "active" during any given week. Check the website to see which lab project you are assigned to during a particular week.

While the labs are conducted in groups, each student must prepare an individual lab report. Reports for a given lab are due in class on Wednesday of the following week; grades will be reduced by 25% for each day the report is late. While the data collected by each group will of course be identical, the lab reports must not be! Attempts at plagiarism will not be tolerated.

### Exams

Three one-hour exams will be given. The exams consist of multiple choice, definition, and essay questions. An understanding of the materials covered – beyond memorized facts – will be required. You may, for example, be asked to apply concepts we have discussed to specific cases. The first two exams will be scheduled roughly after the 3<sup>rd</sup> and 7<sup>th</sup> week of the quarter, the third exam will be given at the final exam time.

### Attendance Requirements

It is unlikely that you can get the full benefit of the class without regular attendance. Students are encouraged to make sound decisions regarding class attendance based on this information. Please note that any tests or homework assignments can only be made up if they were missed due to excused absences. You must be present for your lab section. Only labs missed due to an excused absence can be made up!

### Grading Basis (Total available points: up to 450)

Exams (3)	50 points each	Topical Report	40 points
Lab Reports (8)	20 points each	Homework & Quizzes	Up to 100 points

### Grade Determination

Grade	Minimum points required	
	(+)	(-)
A	93%	90%
B	87%	80%
C	77%	70%
D	67%	60%

Any score below 60% will result in a failing grade (F).

### Academic Misconduct

The published policies of Ohio University prohibit any form of academic misconduct and dishonesty. These policies fully apply to this course, and it is assumed that every student is familiar with them. Violations of the academic misconduct prohibitions will result in a reduction of the student's grade and/or other penalties as indicated in the policies.

### Plagiarism

Using on-line materials without proper use of citations and quotation markings constitutes plagiarism; any instance of this type of misconduct will at least result in a zero grade on the assignment, and may result in a failing grade for the course and referral to the judiciaries. If in doubt, review the libraries tutorial on this subject at <http://www.library.ohiou.edu/bolt/mod6/index.html>.

### Storage of Records and Materials

All materials turned in to me as part of the assignments in this course will be returned to you once they are graded. Any records (grades, attendance, etc.) and materials which have not been picked up will be discarded after one year.