

**ETES 5020/7020 - Communication Systems  
Fall Semester 2002**

**Location & Schedule**

Rivers Crossing 143

Tuesdays: 4:30 – 7:15 p.m.

Final Examination: Tuesday, December 17th, 4:30 p.m. – 6:30 p.m.

Course web site – <http://www.coe.uga.edu/~rhill/etes5020>

*Note: The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.*

**Instructor**

Name: Roger B. Hill, Ph.D.

Office: 209 River's Crossing

Office Hours: by appointment

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**Required Textbooks**

Sanders, M. (1997). Communication technology today and tomorrow (2<sup>nd</sup> edition).

Mission Hills, CA: Glencoe. ISBN: 0-02-838759-7

Flash MX textbook not yet available.

**Other Required Materials**

Storage media for computer work – all of the following are options when using lab machines:

- 3.5" HD floppy disks – IBM formatted
- IBM formatted Iomega Zip Disk – 100 MB or 250 MB
- CD-R or CD-RW media

Videotape (VHS and 8mm) materials will also be needed. Details on this item will be provided at the time of the relevant assignments.

**Description of Course**

Communication technology in business and industry. Use of microcomputer applications for computer graphics, desktop publishing, electronic presentation, and telecommunications, including layout and design principles and procedures, graphic production systems, photographic processes, societal impacts, and innovative technologies.

**Objectives of the Course**

Students who successfully complete this course will be able to:

1. Describe the underlying principles of graphic and printing reproduction processes.
2. Analyze basic layout and design problems and design appropriate solutions.
3. Demonstrate a variety of composition techniques.
4. Demonstrate applications of microcomputers in graphic communications.
5. Demonstrate techniques for using continuous tone photography, digital photography, and electronic capture and transmission of photographic images.
6. Demonstrate correct use of web page construction and web site management.
7. Produce well designed video materials using appropriate techniques for capturing, editing, and packaging media for distribution.
8. Demonstrate teamwork processes when solving technical communications problems.

9. Understand the historical perspective of communication technology and recognize the impact of communication technologies on societies and cultures.
10. Describe the fundamentals of voice, data, and video communication systems.

*Additional Graduate Level Objectives*

11. Explain the various instructional approaches for teaching communication systems as a component of technology education and occupational studies.
12. Identify significant streams of research relevant to communication systems.
13. Assess the effectiveness of various curriculum models for communication systems instruction in technology education and occupational studies.

**Student Activities**

1. Study of assigned readings.
2. Completion of assigned exercises, projects, and problems.
3. Participation in class discussions.
4. Completion of periodic papers and examinations.

**Evaluation**

Class participation.....	5%
Assigned exercises, laboratory activities, service-learning project, and presentations.....	45%
Mid-term examination.....	25%
Final exam.....	25%

Grading Scale: A ----- 90-100  
 B ----- 80-89  
 C ----- 70-79  
 D ----- 60-69  
 F ----- 0-59

**Class Participation**

Punctuality and attendance are important to successful completion of requirements for this course. For that reason, attendance will be taken at each class meeting. The class participation portion of the course evaluation will be based on punctual attendance to all class meetings, participation in class discussions, and appropriate care of computer equipment.

*Note: Students with disabilities who require reasonable accommodations in order to participate in course activities or meet with course requirements should contact the instructor during regular office hours or by appointment.*

**Exercises, Projects, and Learning Activities**

Several exercises, projects and learning activities will be used throughout the term to provide problem solving experience and opportunities for enriching the content covered in class. All written work should be prepared using appropriate word processor and printing technology and should be checked for correct spelling, punctuation, grammar, and usage.

*Teaching Presentation.* Students registered for ETES 7020 will complete additional graduate level objectives through participation in a teaching presentation. The topic to be presented will be agreed upon in consultation with the course instructor.

### **Service-learning Project**

One of the course assignments will involve a service-learning project, working either individually or in a small group. This project should result in a functional product provided to a community organization or other entity as a service to meet an identified need. Typical projects range from a Web site to videotape materials that serve a useful function.

### **Examinations**

There will be two (2) examinations during the term, a midterm (covering material from the first class meeting to the date of the exam) and a final (a comprehensive exam related to any/all material covered during the term). The date and time of the final examination is provided on the first page of this syllabus.

### **Dishonesty**

All academic work must meet the standards contained in *A Culture of Honesty*. Each student is responsible to be informed about those standards before performing any academic work.

Dishonesty of any type, related to completion of course assignments, examinations, or other required activities is a serious offense. Should such an instance occur, it will be handled in accord with University regulations as described in the current edition of the *Graduate Bulletin*.

### **Drop Policy**

The drop policy is described in the Schedule of Classes. If circumstances arise that will prevent a student from adequately fulfilling course requirements, it is important to address procedures to drop the class prior to the mid-point of the term.