

ETES 5020/7020 - Communication Systems
Fall Semester 2010

Location & Schedule

Rivers Crossing 143

Thursdays: 4:30-7:15 p.m.

Final Examination: Thursday, December 9th, 4:30-6:30 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.

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Office Hours: by appointment

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Required Textbooks

*The Web Collection Revealed Premium Edition: Adobe Dreamweaver CS4, Flash CS4 & Photoshop CS4 (Paperback); by Sherry Bishop, Jim Shuman, and Elizabeth Eisner Reding; 2010, Delmar Cengage Learning
ISBN-13: 978-1-4354-4196-5*

Other Required Materials

- ◆ Storage media for computer work – all of the following are options when using lab machines:
 - USB memory stick or external drive (recommended)
 - CD-R or CD-RW media
 - DVD+R or DVD+RW
- ◆ Assignments for this course will require use of the Adobe's Dreamweaver CS4, Flash CS4, Photoshop CS4, MS Photo Story, and MS Movie Maker. Software is installed on computers in RC 143. Educational discounts should be investigated if purchase of this software is desired. Photo Story and Movie Maker are available for users of Windows 7, Vista, or Windows XP (SP2 or higher) at no additional cost.
- ◆ Computer microphone for use with synchronous online sessions (TBA).

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 digital imaging, 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 workforce education.

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	45%
Mid-term examination.....	25%
Final examination.....	25%

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

+ / - Grades: In situations where a student's final course average is within a fraction of a point of the minimum level for a particular letter grade, a minus grade will be awarded at the discretion of the instructor. In some instances a plus letter grade will be used when the final course average is within the upper bounds of the range for a particular letter grade. In no instance will a student receive less than the letter grade associated with the lower limits of the ranges presented above for a particular final course average.

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.

Instructional Materials Development. Students registered for ETES 7020 will complete additional graduate level objectives through preparation of a unit of instruction related to course content. Further details of this activity will be determined 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. This project involves development of digital video materials.

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.