

**EMBRY-RIDDLE AERONAUTICAL UNIVERSITY**  
**Department of Computing and Mathematics**  
**COURSE OUTLINE FOR**

**Course No.:** CEC310  
**Cr Hrs:** 3

**Title:** Distance Technology

**Lecture Hours:** 3

**Laboratory Hours:** 0

**COURSE DESCRIPTION:**

This course introduces students to the fundamental principals and methodologies of distance engineering. The operational concepts of modern workplace with distributed projects and team cooperating over distance in remote locations will be presented. The course will be offered in a bi-located mode, discussing the available and future technologies, processes, implication of teamwork in geographically disperse locations, current tools, platforms, and processes. Prerequisites CEC 100 and Junior status.

**GOALS:**

The purpose of the course is to have students: understand the process and techniques of distance technologies which allows the team members of a project to work together from remote locations. Understand technologies such as video conferencing, web-ct, internet base sharing of documents, and such technologies. Understand the hardware and the software that are used today by major companies for teams in geographically disperse location.

**PERFORMANCE OBJECTIVES:**

1. Understand the concept of distance technologies.
2. Understand some of the tools that are used.
3. Understand the processes that are used.
4. Understand the software and hardware platforms that exist today.
5. Understand such concept of distance file sharing, video conferencing, internet base delivery systems.
6. Be aware of future tools that are in the pipeline.
7. Use some of these tools .
8. Do a project with team members in a different location.

**Department of Computing and Mathematics  
COURSE OUTLINE FOR CEC320, Continued**

**TEXTBOOK:**

TBA

**SUGGESTED SUPPLEMENTAL MATERIALS:**

- a. The internet. Information about E-learning and distance technologies.
- b. Current Articles in such magazines as: Byte, Personal Computing, Dr. Dobbs Journal, PC Magazine, The Journal (technical horizons in education) Etc.

**PREREQUISITE KNOWLEDGE BY TOPIC:**

1. Basic knowledge of computers.
2. Able to use software and internet.

TOPIC	CLASS HOURS	COURSE OBJECTIVES
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TBA

**COMPUTER USAGE:**

Access to the distance learning class room. Access to the internet.

**GRADING SYSTEM:**

1. Two mid-term and the final test (all comprehensive, covering the entire material covered)
2. Quizzes: 4-6 short (unannounced) quizzes given at the end of lecture or beginning of the labs to check the class progress.
3. Grading Percentages: midterms 50%, quizzes 10%, Final exam 40%

**ESTIMATED CONTENT:**

**Skills: 30 %**  
**Content: 70 %**