

The University of Texas at El Paso
Course Syllabus

COURSE DESCRIPTION

Dept., Number	CS3195	Course Title	Junior Professional Orientation
Approval Date	October 2022	Course Coordinator	Daniel Mejia

CATALOG DESCRIPTION

Junior Professional Orientation (1-0) Introduction to the Computer Science profession with a special emphasis on professional ethics. Required of all students prior to graduation.

TEXTBOOK

Baase, Sara (2018). *A Gift of Fire: Social, Legal, and Ethical Issues for Computing Technology (5th Edition)*

COURSE OUTCOMES

Level 1: Knowledge and Comprehension:

Level 1 outcomes are those in which the student has been exposed to the terms and concepts at a basic level and can supply basic definitions. Upon successful completion of this course, students will be able to:

- a. Describe techniques for face-to-face, virtual, and telephone interviews.
- b. Recognize possible post-baccalaureate paths, including graduate study, entrepreneurship, and employment in government, academia, and the private sector.
- c. Describe the role of ethics in society and software engineering.
- d. Describe the need and venues for continuing professional development.

Level 2: Application and Analysis:

Level 2 outcomes are those in which the student can apply the material in familiar situations, e.g., can work a problem of familiar structure with minor changes in the details. Upon successful completion of this course, students will be able to:

- a. Set short-term and long-term goals based on one's strengths, weaknesses, and experiences.
- b. Prepare for and participate in a mockup interview *to improve professional or technical oral communication*.
- c. Evaluate the impact of computer science solutions on individuals, organizations, and society.
- d. Prepare a professional networking account (e.g., LinkedIn) to establish networking and professional visibility for the purpose of enhancing written communication skills, obtaining internships or research experiences, obtaining graduate program information, and obtaining full-time positions.
- e. Develop a professional resume/cv to express professional experiences.
- f. Create a professional repository (e.g., Github) to showcase software development experiences.
- g. Prepare a written document expressing proper technical writing in professional settings, through email, written reports, and evaluation of products/services.

ABET STUDENT OUTCOMES MAPPING

Course Outcomes	Student Outcome
None	1
None	2 (ABET 1)
None	3 (ABET 2)
None	4 (ABET 5)
1c, 2c	5 (ABET 4)
1a, 2b, 2d, 2e, 2f, 2g	6 (ABET 3)
2c	7
1d, 2a	8
None	9
None	10 (ABET 6)

PREREQUISITES BY TOPIC

CS 2302 with a grade of C or better OR CS 2402 with a grade of C or better
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