
CSE-311: Technical Writing

Credit Hours: 3

Contact Hours: 3

Grading: As per UET Rules

1. COURSE OUTLINE:

This course equips students with writing skills as may form useful foundation to respond with proficiency, to job-seeking situations, initial office correspondence/tasks or to pursue higher education/research at Postgraduate level.

Academic/Scientific/Technical/Business writing: Writing a proposal for scientific research project/design project/business plan. Writing a research paper/term paper (emphasis on style, content, language, form, clarity, consistency), technical report writing, progress report writing, thesis writing.

2. WEEKLY COURSE DISTRIBUTION:

Week	Contents
1	Resume/CV
2	Letter of purpose/motivation
3	Reference/Recommendation Letter
4	Cover Letter
5	Writing Effective Emails
6	Effective Office Correspondence.
7	Plagiarism/ Academic Honesty
Mid-Term Exam	
8	FYP Criterion/ Group Formation
9	Reading Research Articles
10	Writing Research Articles
11	Introduction to LaTeX
12	FYP Proposal Writing
13	FYP Proposal Revision
14	FYP Proposal Revision
15	FYP Proposal Presentation/Defense
16	FYP Proposal Presentation/Defense
Final-term exam	

3. COURSE LEARNING OUTCOMES (CLOs) AND THEIR MAPPING WITH PROGRAM LEARNING OUTCOMES (PLOs):

CLO #	CLO	Level of Learning	PLOs
CLO-1	Identify and apply the basic concepts of technical writing and effective communication and to respond with proficiency to job-seeking situations, initial office correspondences/tasks and to pursue higher education at postgraduate levels	Affective-2 (Responding)	PLO-10 (Communication)
CLO-2	To develop the ability to write project reports, thesis, proposals and technical papers; and to develop the ability to review these writing specimens	Affective-3 (Valuing)	PLO-11 (Project Management)
CLO-3	To develop the ability to differentiate between writing technical reports and presenting them in an effective and clear way	Affective-5 (Internalizing)	PLO-12 (Lifelong Learning)
CLO-4	To develop the ability to work in teams and be a good team player	Affective-4 (Organization)	PLO-9 (Individual and Team Work)

4. RESOURCES

Text Book:

Technical Report Writing Today
by Steven E. Pauley, Daniel G. Riordan

5. MAPPING OF CLOs WITH COURSE ASSESSMENT TOOLS

Assessment Technique	CLOs			
	CLO 1	CLO 2	CLO 3	CLO 4
Assignments	√			
Quizzes	√	√		
Project			√	√
Midterm Exam	√	√		
Final Exam	√	√	√	

Vision and Mission of the Institute and Mission of the Department

Institute Vision: “To be among the top ranking universities of the world through Education, Research and Innovation”

Institute Mission: “To produce highly qualified, well-rounded professionals through education who play a leading role in the society by powering and driving knowledge-based economy and offer research services and innovation for sustainable development”

Department Mission:

To produce well rounded graduates, equipped with in-depth knowledge of computer systems engineering and excellent problem-solving skills, motivated to solve complex engineering problems while keeping high professional and ethical standards.

Figure 3 depicts the contribution of the PEOs and CEOs in achieving the quality of education envisioned.

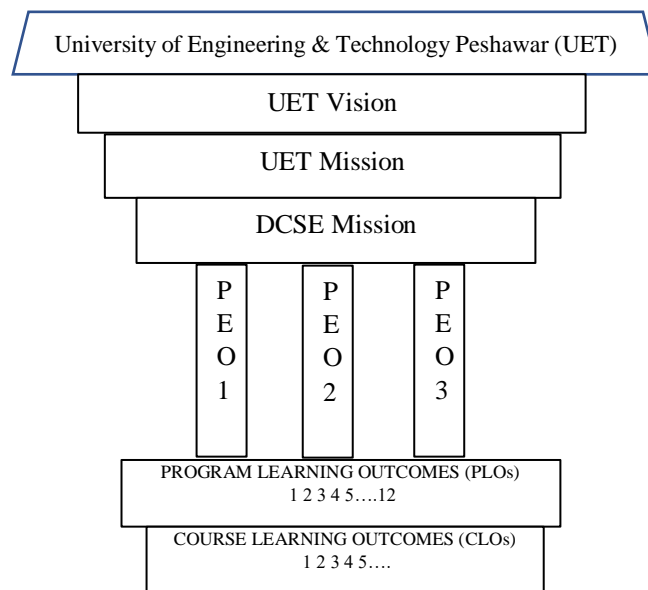


Figure: Design Structure

Program Education Objectives of DCSE

Program Education Objectives (PEOs) are broad statements that describe what graduates are expected to achieve a few years after graduation. Following are the PEOs of Computer Systems Engineering Program at UET Peshawar:

PEO 1: Graduates will serve the community through the effective use of the concepts and techniques of computer systems engineering.

PEO 2: Graduates will exhibit aptitude for leadership, team work, collaboration, independent learning and effective interpersonal communication skills, and will abide by the code of ethics and professional practices.

PEO 3: Graduates will be motivated to demonstrate continuous learning and skill development, so as to function and survive in a competitive landscape.