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## CSE-311: Technical Writing

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**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
<b>Mid-Term Exam</b>	
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
<b>Final-term exam</b>	

### 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

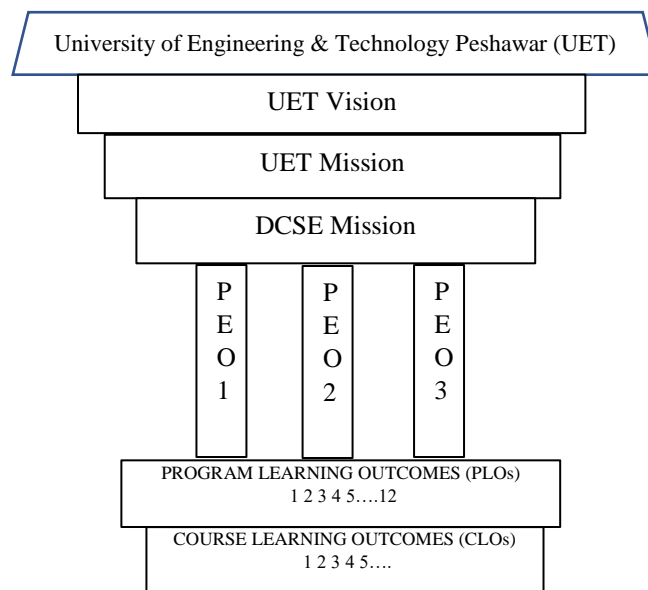
**Institute Vision:** “Striving for the highest level of engineering excellence”

**Institute Mission:** “To impart state-of-the-art engineering education through training and research, and produce highly qualified, well-rounded professional engineers who play a leading role in the socio-economic transformation by powering, and driving, a knowledge-based economy for national 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 CLOs 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.