

Winter Semester 2024

The following are details of courses being offered during winter semesters 2025.

- Only those students are allowed to register in winter semester who have either failed or have been stopped to take the examination due to shortage of class attendance. The students who wish to improve their CGPA can also register.
- A student will only be allowed to register in 1-2 courses for remedial work.
- Last date of Registration is 24-12-2024 and the Registration fee is Rs. 5000/ per course.
- The Registration form along with fee challan can be submitted in respective department, where you were enrolled in last semester.
- Bank challan to be filled & printed from <https://buetk.edu.pk/GenFiChallan/> can be deposited in any branch of UBL in Pakistan.
- 75% attendance is mandatory in each course for appearing in the final examination.
- The University Management may withdraw any course(s) without assigning any reason.

Civil Engineering Department (48)					Electrical Engineering Department (48)				
S. No	Name of Course	Semester	Credit Hours	Contact Hours	S. No	Name of Course	Semester	Credit Hours	Contact Hours
1.	Hydraulics & Irrigation Engineering	7 th	3+1	6	1.	Electronic Device Circuit	3 rd	3+1	6
2.	Transportation Engineering – II	7 th	3+1	6	2.	Programming Fundamentals	3 rd	3+1	6
3.	Construction Management	6 th	3+0	3	3.	Linear Circuit Analysis	2 nd	3+1	6
4.	Plain & Reinforced Concrete – II	6 th	3+1	6	4.	Electrical Network Analysis	3 rd	3+1	6
5.	Transportation Engineering – I	6 th	3+0	3	5.	Power System Analysis	5 th	3+0	3
6.	Engineering Hydrology	6 th	2+1	5	6.	Electromagnetic Field Theory	3 rd	3+0	3
7.	Structure Analysis-II	5 th	3+0	3	7.	Signal & System	5 th	3+1	6
8.	Soil Mechanics	4 th	3+1	6	8.	Electricity & Magnetism	1 st	3+1	6
9.	Mechanics of Solid -I	3 rd	3+0	3	9.	Electrical Machines	5 th	3+1	6
10.	Human Resource Management	3 rd	2+0	2					
11.	Computer programming	2 nd	2+1	5					

Computer System Engineering Department (40)					Mechanical Engineering Department				
S. No	Name of Course	Semester	Credit Hours	Contact Hours	S. No	Name of Course	Semester	Credit Hours	Contact Hours
1.	Data Warehouse & Mining	8 th	3+1	6	1.	Thermodynamics - I	3 rd	2+1	5
2.	Numerical Analysis (Software)	4 th	2+1	4	2.	Engineering Dynamics	3 rd	3+1	6
3.	Linear Algebra	2 nd	3+0	3	3.	Thermodynamics - II	4 th	2+1	5
4.	Database Management System	6 th	3+1	6	4.	Mechanics of Material – II Mechanics of Solid-II	4 th	3+1	6
5.	Information Security (BSCS)	8 th	3+1	6					
6.	Applied Physics	1 st	3+1	6					
7.	Multivariable Calculus (BSCS)	2 nd	3+0	3					
8.	Calculus & Analytical Geometry	1 st	3+0	3					

Electronic Engineering Department (24)					Biomedical Engineering Department (3)				
S. No	Name of Course	Semester	Credit Hours	Contact Hours	S. No	Name of Course	Semester	Credit Hours	Contact Hours
1.	Functional English	2 nd	2+0	2	1.	Complex Variable & Transforms	3 rd	3+0	3
2.	Differential Equation	3 rd	3+0	3					
3.	Instrumentations & Measurements	4 th	3+1	6					
4.	Electronic Engineering Drawing & Workshop	1 st	0+2	6					

Dean Faculty of Engineering