

1.2.1

Supporting Documents – Civil Engineering

List of New Courses Introduced





ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ, ਕਪੂਰਥਲਾ
I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA
Department of Civil Engineering

Ref. No. IKGPTU/CE/3452

Dated 9/9/21

List of New courses introducing during last five years			
Sr. No	Name of the Course	Course Code	Year of introduction
1	Mechanics of Solids	BTPH101-18	2018
2	Mechanics of Solids (Lab)	BTPH111-18	2018
3	Maths-I	BTAM101-18	2018
4	Engineering Graphics & Design	BTME101-19	2018
5	Chemistry-I	BTCH101-18	2018
6	Chemistry-I (Lab)	BTCH102-18	2018
7	Maths-II	BTAM201-18	2018
8	Workshop / Manufacturing	BTMP101-19	2018
9	Surveying & Geomatics	BTCE- 301-18	2018
10	Solid Mechanics [#]	BTCE- 302-18	2018
11	Fluid Mechanics	BTCE- 303-18	2018

Head
Department of Civil Engineering
IKG PTU Main Campus
Kapurthala-14460

"Propelling Punjab to a prosperous Knowledge Society"

I.K. Gujral Punjab Technical University Main Campus

Jalandhar Kapurthala Highway, Kapurthala-144603.

Mobile : 94658-84852


Email : office.ce@ptu.ac.in

website : www.ptu.ac.in


12	Mathematics III # (Transform & Discrete	BTAM- 301-18	2018
13	Civil Engineering- Introduction, Societal	HSMC- 132-18	2018
14	Surveying & Geomatics Lab	BTCE- 306-18	2018
15	Fluid Mechanics Lab	BTCE- 307-18	2018
16	Solid Mechanics Lab	BTCE- 308-18	2018
17	Training – I	BTCE- 332-18	2018
18	Concrete Technology	BTCE- 401-18	2018
19	Material, Testing & Evaluation	BTCE- 402-18	2018
20	Hydrology & Water Resources	BTCE- 403-18	2018
21	Transportation Engineering	BTCE- 404-18	2018
22	Disaster Preparedness & Planning	BTCE- 405-18	2018
23	Environment Science	EVS- 101-18	2018
24	Concrete Testing Lab	BTCE- 406-18	2018
25	Transportation Lab	BTCE- 407-18	2018
26	Engineering Geology	BTCE-501-18	2018
27	Elements of Engineering Earthquak	BTCE- 502-18	2018
28	Construction Engineering &	BTCE- 503-18	2018
29	Environmental Engineering	BTCE- 504-18	2018
30	Structural Engineering	BTCE- 505-18	2018
31	Geotechnical Engineering	BTCE- 506-18	2018
32	Geotechnical Lab	BTCE- 507-18	2018
33	Environmental Engineering Lab	BTCE- 508-18	2018

 Head
 Department of Civil Engineering
 IKG PTU Main Campus
 Kapurthala-144603

34	Structural Lab	BTCE-509-18	2018
35	Training – II*	BTCE- 532-18	2018
36	Engineering Economics, Estimation	BTCE- 601-18	2018
37	Foundation Engg	PECE-602A-18	2018
38	Ground Improvement Techniques	PECE-602B-18	2018
39	Advanced Soil Mechanics	PECE -602C-18	2018
40	Geosynthetic Engineering	PECE -602D-18	2018
41	Geo-Environ Ment Engineering	PECE -602E-18	2018
42	Rock Mechanics	PECE-602F-18	2018
43	Design of concrete structure	PECE -603A-18	2018
44	Design of steel Structures	PECE -603B-18	2018
45	Advanced Structural Analysis	PECE -603C-18	2018
46	Structure Analysis And Design	PECE -603D-18	2018
47	Prestressed structures	PECE -603E-18	2018
48	Bridge Engg	PECE -603F-18	2018
49	Construction Equipment and	PECE -604A-18	2018
50	Sustainable Construction methods	PECE -604B-18	2018
51	Repair and rehabilitation of	PECE -604C-18	2018
52	Construction Cost	PECE -604D-18	2018
53	Contracts Management	PECE-604E-18	2018
54	Construction Engineering	PECE -604F-18	2018
55	Pavement and geometric design	PECE -701A-18	2018


Head
 Department of Civil Engineering
 IKG PTU Main Campus
 Kapurthala-144603

56	Airport planning and	PECE -701B-18	2018
57	Intelligent Transportation	PECE -701C-18	2018
58	Highway Construction and	PECE -701D-18	2018
59	High Speed	PECE -701E-18	2018
60	Traffic Engg And	PECE -701F-18	2018
61	Environment La and Policy	PECE-702A-18	2018
62	Rural water Supply And onsite	PECE-702B-18	2018
63	Water and air Quality Modelling	PECE-702C-18	2018
64	Solid and Hazardous Waste	PECE-702D-18	2018
65	EIA and LCA	PECE-702E-18	2018
66	Sustainable Engg and	PECE-702F-18	2018
67	Design of Hydraulic structure	PECE-703A-18	2018
68	River Engg.	PECE-703B-18	2018
69	Ground Water	PECE-703C-18	2018
70	Hydraulic Modelling	PECE-703D-18	2018
71	Transients in Closed conduits	PECE-703E-18	2018
72	Urban Hydrology a hydraulics	PECE-703F-18	2018
73	Industrial/ Software Training	BTCE- 801-18	2018
74	Smart City	BTCE- 802-18	2018
75	Advanced Structural Analysis	MTST101-18	2018
76	Advanced Solid Mechanics	MTST102-18	2018
77	Theory of Thin Plates and Shells	MTST901- 18	2018


Head
Department of Civil Engineering
IKG PTU Main Campus
Kapurthala-144603

78	Theory and Applications of	MTST902- 18	2018
79	Theory of Thin Structural Stability	MTST903- 18	2018
80	Analytical and Numerical Methods	MTST904- 18	2018
81	Structural Health Monitoring	MTST905- 18	2018
82	Structural Optimization	MTST906- 18	2018
83	Structural Design Lab	MTST 111 - 18	2018
84	Advanced Concrete Lab	MTST 112 - 18	2018
85	Technical Seminar	MTST113 - 18	2018
86	FEM in Structural Engineering	MTST201-18	2018
87	Structural Dynamics	MTST202-18	2018
88	Advanced Steel Design	MTST907- 18	2018
89	Design of Formwork	MTST908- 18	2018
90	Design of High Rise Structures	MTST909- 18	2018
91	Design of Masonry Structures	MTST910- 18	2018
92	Design of Advanced Concrete Structures	MTST911- 18	2018
93	Advanced Design of Foundations	MTST912- 18	2018
94	Soil Structure Interaction	MTST913- 18	2018
95	Design of Industrial Structure	MTST914 - 18	2018
96	Numerical Analysis Lab	MTST 114 - 18	2018
97	Mini Project	MTST231 - 18	2018
98	Technical Seminar - II	MTST 115 – 18	2018



Head
Department of Civil Engineering
IKG PTU Main Campus
Kapurthala-141003