

**DEPARTMENT OF SOIL & WATER CONSERVATION ENGINEERING
COLLEGE OF TECHNOLOGY**

ACADEMICS [PG & UG COURSES]

Course offered to B.Tech. (Agril. Engg.)/B.Sc. (Ag.) students

S.No.	Course No.	Course Title	Credit hrs.
1.	TSW-109	Introduction to Environmental Engineering and Disaster Management	3(3+0+0)
2.	TSW-211	Soil Mechanics	3(2-0-2)
3.	TSW-350	Introductory Soil & Water Conservation Engg.	2(1-0-3)
4.	TSW-371	Soil and Water Conservation Engineering	3(2+0+1x2x2)
5.	TSW-373	Watershed Planning and Management	3(2+0+1x2x2)
6.	TID/TSW/TPF/ TMP-493	10-weeks Industrial Attachment/Internship (Student READY)	10(0+10)
7.	TID/TSW/TPF/ TMP-495	10-weeks Experiential Learning on campus (student READY)	10(0+10)
8.	TID/TSW/TPF/ TMP-492	Skill Development Training-II (Student READY) Registration only	5(0+5)
9	TSW-124	Fluid Mechanics and Open Channel Hydraulics	3(2+0+1x2x2)
10	TSW-222	Watershed Hydrology	3(2+0+1x2x2)
11	TSW-382	Water Harvesting and Soil Conservation Structures	3(2+0+1x2x2)
12	TSW-422	Flood and Control Measures (Elective)	3(2+0+1x2x2)
13	TSW-426	Information Technology for Land and Water Management (Elective)	3(2+0+1x2x2)
14	TSW-428	Remote Sensing and GIS Applications (Elective)	3(2+0+1x2x2)
15	TID/TSW/TPF/ TMP-391	Skill Development Training-I (Student READY) Registration only	5(0+5)
16	TID/TSW/TPF/ TMP-499	Project Planning and Report Writing (Student READY)	10(0+10)
17	TID/TSW	Educational Tour (Registration only)	

PG/Ph.D courses offered

S.No.	Course No.	Course Title	Credit hrs.
1	TSW-531	Watershed Hydrology	3(2-0-3)
2	TSW-541	Soil and Water Conservation Engg.	3(2-0-3)
3	TSW-561	Water Quality and Environment	3(2-0-3)
4	TSW-621	Open Channel Flow	3(2-0-3)
5	TSW-561	Statistical Methods	3(2-0-3)
6	TSW-711	Advanced Hydrology	3(2-0-3)
7	TSW-731	Soil and Water Systems Simulation and Modelling	3(2-0-3)
8	TSW-652	Research Methodology-I	1(1-0-0)
9		Minor/Optional Courses	
10	TSW-551	Sediment Transport	3(2-0-3)
11	TSW-571	Planning and Management of Watershed	3(2-0-3)
12	TSW-600	Master's Seminar	1(0-0-3)
13	TSW-661	Advanced Computing Techniques in Hydrology	3(2-0-3)
14	TSW-631	GIS & RS for Land and Water Resource Management	3(2-0-3)
15	TSW-721	Modelling Soil Erosion Proces	3(2-0-3)
16	TSW-788	Doctoral Seminar-I	1(0-0-3)
17	BHS-653	Research Methodology-II	1(0-0-3)
18	TSW-789	Doctoral Seminar-II	1(0-0-3)