

## Department of Hydrology, Indian Institute of Technology Roorkee

### Teaching Assignment (MTech I<sup>st</sup> Year- Hydrology/DSR)

Semester: Autumn,

Session: 2022-23,

Effective: July 26, 2022

Code	Subject Title	L	T	P	Name of the Faculty
HYN-511	Hydrologic Elements and Analysis (PCC-WM)	3	1	0	Prof. Manoj K. Jain (MKJ)
HYN-516	Channel and Fluvial Hydraulics (PCC-SW)	3	1	0	Prof. Ankit Agrawal (AA)
HYN-522	Stochastic Hydrology (PCC-SW)	2	1	0	Prof. Narendra K. Goel (NKG)
HYN-527	Groundwater Hydrology (PCC-GW)	3	1	2/2	Prof. Brijesh K. Yadav (BKY)
HYN-529	Geophysical Investigations (PCC-GW)	3	1	2/2	Prof. Ashutosh Chamoli (AC, ESD)
HYN-531	Watershed Behaviour and Conservation Practices (PCC-WM)	3	1	0	Prof. Sumit Sen (SS)
HYN-535	Environmental Quality (PCC-GW)	3	1	2/2	Prof. Himanshu Joshi (HJ)
HYN-537	Remote Sensing and GIS Applications (PCC-WM)	3	1	2	Prof. Dhyan S. Arya (DSA)
HYN-538	Hydrological Data Collection, Processing, and Analysis	3	1	2/2	Prof. Ashutosh Sharma (AS)
HYN-577	Desalination and Cleaner water production with membrane technologies	3	1	0	Prof. Bhaskar Jyoti Deka (BJD)
HYN-576	Rural Water Supply and Sanitation (2 Credit)	2	0	0	Prof. Bhaskar Jyoti Deka (BJD)
DS-502	Basics of Disaster Management and its Implementation Concepts (PCC)	3	1	0	Prof. Ankit Agrawal
DS-503	Hydrologic Safety Evaluation of dams (PCC)	3	1	0	Prof. N.K. Goel
DS-511	Seepage through dams	3	1	0	Prof. Brijesh K. Yadav
DS-513	Earthquake Geotechnical Engineering	3	1	0	Prof. B K Maheshwari (BKM)
DS-517	Hydraulic and structural design of dams, spillways, and energy Dissipators	3	1	0	Prof. Zulfequar Ahmad (ZA)
DS-518	Ground Improvement and Geo-synthetics	3	1	0	Prof. Akanksha Tyagi (AT)
DS-521	Earth Retaining Structures and Dams (Concrete, RCC, CFRD, Arch, Earth, Rockfill dams & Barrages)	3	1	0	Prof. Mahendra Singh (MS)
DMN-502	Natural Hazards and Impact Assessment	3	0	0	Prof. Ashwin Kumar (AK)
DMN-504	Hydrological Data Collection, Processing, and Analysis	3	1	0	Prof. Sumit Sen
DMN-508	Climate Change: Impacts	3	1	0	Prof. Dhyan S. Arya