CTARA
Centre for Technology Alternatives for Rural Areas, IIT Bombay

Course Structure

M. Tech Technology & Development

L = Weekly lecture hours
T = Weekly tutorial hours
P = Weekly practical/lab hours
C = Number of credits

First Semester

		L	T	P	C
TD 601	Development Theory and Policy: Indian Context	3	0	0	6
TD 602	Soil, Land Use GIS and Agriculture	3	0	0	6
TD 603	Water Resources Management	3	0	0	6
TD 605	Appropriate Technology	3	0	0	6
TD 613	Ecology and Environment	3	0	0	6
TD 694	Seminar	0	0	0	4
HS 791	Communication Skills - I (P/NP)	1	0	0	0
TD 792	Communication Skills – II (P/NP)	2	0	0	0
	Total				34

Second Semester

		L	T	P	C
TD 604	Social Science Research Methods	3	0	0	6
TD 606	Public Policy and Governance in T&D	3	0	0	6
TD 607	Energy Sources and their Utilization	3	0	0	6
	CTARA Elective I				6
	CTARA Elective II				6
	Institute Elective				6
	Total				36

List of CTARA Electives offered. Students to choose any two of the courses offered

		L	T	P	C
TD 610	Contemporary Critical Issues (Food and Nutrition)	3	0	0	6
TD 611	Agro-Based Industries Design and Case Studies	3	0	0	6
TD 616	Environmental Systems: Assessment and Monitoring	2	0	1	6
TD 691	Development Protocols	1	0	0	6
TD 653	Biofuels: Technology and Policy Perspective	3	0	0	6
TD 654	Rural Environmental Services: Planning and Design	3	0	0	6
TD 617	Healthtech Innovation and Design (Institute Elective)	3	0	0	6
TD 619	Energy Policy and Planning	3	0	0	6

Summer Field Work

		L	T	P	C
TD 609	Field Work	0	0	0	22

Link to TD 609 fieldwork details

Third Semester

		L	T	P	C
TD 608	Project Management and Project Analysis	3	0	0	6
TD 695	M.Tech. Project MTP-1	0	0	0	18
	CTARA Elective III#	3	0	0	3#
	Total				49

Students must register for minimum 3 credits

CTARA Electives III

		L	T	P	C
TD 614	Rural Electrification and the Power Sector in India	3	0	0	3
TD 615	Rural enterprises	3	0	0	3
TD 651	Technologies in Practice	3	0	0	3
TD 652	Development in Practice	3	0	0	3
TD 621	Food Processing and Nutrition Delivery (Institute Elective)	3	0	0	6

Fourth Semester

		L	T	P	C
TD 696	M.Tech. Project MTP-2	0	0	0	40
	Total				40