

**PROPOSED
SCHEME AND DETAILED SYLLABUS**

of

T. Y. B. Tech. Agricultural Engineering

FOUR YEAR DEGREE COURSE IN ENGINEERING & TECHNOLOGY



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

G. S. Mandal's
Maharashtra Institute of Technology, Aurangabad
Proposed Revised Syllabus Structure 2013-14
Third Year B. Tech. (Agricultural Engineering)

Sub No.	SEMESTER-V	Contact Hrs / Week				Examination Scheme						
	Subject	L	T	P	Total	CT	TH	TA	P	Total	Credits	Duration of Theory Exam
AED301	Watershed Hydrology & Management	3	1	-	4	20	80	-	-	100	4	3 Hrs
AED302	Irrigation Engineering	3	1	-	4	20	80	-	-	100	4	3 Hrs
AED303	Engineering Properties of Biological Materials	3	1	-	4	20	80	-	-	100	4	3 Hrs
AED304	Kinematics of Machine	4	-	-	4	20	80	-	-	100	4	3 Hrs
AED305	Crop Process Engineering	4	-	-	4	20	80	-	-	100	4	3 Hrs
AED306	Agricultural Structures	2	-	-	2	10	40	-	-	50	2	2 Hrs
AED321	Lab-I (Watershed Hydrology & Management)	-	-	2	2	-	-	25	25	50	1	
AED322	Lab-II (Irrigation Engineering)	-	-	2	2	-	-	25	25	50	1	
AED323	Lab-III (Engineering Properties of Biological Materials)	-	-	2	2	-	-	25	25	50	1	
AED324	Lab-IV (Kinematics of Machine)	-	-	2	2	-	-	50	-	50	1	
AED325	Lab-V (Seminar)	-	-	2	2	-	-	50	-	50	1	
	Total of Semester-V	19	3	10	32	110	440	175	75	800	27	
Sub No.	SEMESTER-VI	Contact Hrs / Week				Examination Scheme						
	Subject	L	T	P	Total	CT	TH	TA	P	Total	Credits	Duration of Theory Exam
AED351	Soil & Water Conservation Engineering	3	1	-	4	20	80	-	-	100	4	3 Hrs
AED352	Drying & Storage Engineering	3	1	-	4	20	80	-	-	100	4	3 Hrs
AED353	Food Engineering	4	-	-	4	20	80	-	-	100	4	3 Hrs
AED354	Machine Design	4	-	-	4	20	80	-	-	100	4	3 Hrs
AED391 AED392 AED393	Elective-I Command Area Development Remote Sensing & GIS Application Green House Technology	3	1	-	4	20	80	-	-	100	4	3 Hrs
AED355	Drainage Engineering	2	-	-	2	10	40	-	-	50	2	2 Hrs
AED371	Lab-VI (Soil & Water Conservation Engineering)	-	-	2	2	-	-	25	25	50	1	
AED372	Lab-VII (Drying & Storage Engineering)	-	-	2	2	-	-	25	25	50	1	
AED373	Lab-VIII (Food Engineering)	-	-	2	2	-	-	25	25	50	1	
AED374	Lab-IX (Field Operation & Maintenance of Tractor & Farm Machinery)	-	-	2	2	-	-	50	-	50	1	
AED375	Lab-X (Project-I)	-	-	2	2	-	-	50	-	50	1	
	Total of Semester-VI	19	3	10	32	110	440	175	75	800	27	
	Grand Total of V & VI	38	6	20	64	220	880	350	150	1600	54	

L: Lecture hours per week T: Tutorial hours per week P: Practical hours per week CT: Class Test
TH: University Theory Examination TA: Teachers Assessment P: Practical/Oral Examination