

**FACULTY OF SCIENCE AND TECHNOLOGY**  
**Revised Structure w.e.f. 2017-2018**  
 Second Year B. Tech. (Agricultural Engineering)

Course Code	SEMESTER-III	Contact Hrs / Week					Examination Scheme					
	Course	L	T	P	Total	CT	TH	TW	Pr	Total	Credits	Duration of Theory Exam
BSH201	Engineering Mathematics-III	3	1	-	4	20	80	-	-	100	4	3 Hrs
AED202	Tractor Systems and Controls	4	-	-	4	20	80	-	-	100	4	3 Hrs
AED203	Unit Operations in Agricultural Processing	4	-	-	4	20	80	-	-	100	4	3 Hrs
AED204	Fluid Mechanics	3	1	-	4	20	80	-	-	100	4	3 Hrs
AED205	Agricultural Sciences	4	-	-	4	20	80	-	-	100	4	3 Hrs
AED206	Surveying and Levelling	2	-	-	2	10	40	-	-	50	2	2 Hrs
AED221	Lab-I: Tractor Systems and Controls	-	-	2	2	-	-	25	25	50	1	
AED222	Lab-II: Unit Operations in Agricultural Processing	-	-	2	2	-	-	25	25	50	1	
AED223	Lab-III: Fluid Mechanics	-	-	2	2	-	-	25	25	50	1	
AED224	Lab-IV: Surveying and Levelling	-	-	2	2	-	-	50		50	1	
BSH225	Lab-V: Development of Skills-II	-	-	2	2	-	-	50	-	50	1	
	<b>Total of semester-III</b>	<b>20</b>	<b>2</b>	<b>10</b>	<b>32</b>	<b>110</b>	<b>440</b>	<b>175</b>	<b>75</b>	<b>800</b>	<b>27</b>	
Course Code	SEMESTER-IV	Contact Hrs / Week					Examination Scheme					
	Course	L	T	P	Total	CT	TH	TW	Pr	Total	Credits	Duration of Theory Exam
BSH251A	Engineering Mathematics-IV	3	1	-	4	20	80	-	-	100	4	3 Hrs
AED252	Soil Mechanics	4	-	-	4	20	80	-	-	100	4	3 Hrs
AED253	Mechanics of Structure	3	1	-	4	20	80	-	-	100	4	3 Hrs
AED254	Farm Machinery and Implements	4	-	-	4	20	80	-	-	100	4	3 Hrs
AED291-293	Programme Elective-I	4	-	-	4	20	80	-	-	100	4	3 Hrs
AED255	Post Harvest management and Technology	2	-	-	2	10	40	-	-	50	2	2 Hrs
AED271	Lab-VI: Soil Mechanics	-	-	2	2	-	-	25	25	50	1	
AED272	Lab-VII: Mechanics of Structure	-	-	2	2	-	-	25	25	50	1	
AED273	Lab-VIII: Farm Machinery and Implements	-	-	2	2	-	-	25	25	50	1	
AED274	Lab-IX: Post Harvest management and Technology	-	-	2	2	-	-	50	-	50	1	
AED275	Lab-X: DOS-III Technical Report Writing	-	-	2	2	-	-	50	-	50	1	
	<b>Total of Semester-IV</b>	<b>20</b>	<b>2</b>	<b>10</b>	<b>32</b>	<b>110</b>	<b>440</b>	<b>175</b>	<b>75</b>	<b>800</b>	<b>27</b>	
	<b>Grand Total of III&amp; IV</b>									<b>1600</b>	<b>54</b>	

L: Lecture hours per week T: Tutorial hours per week P: Practical hours per week CT: Class Test  
 TH: University Theory Examination TW: Term Work Pr: Practical/Oral Examination

**Programme Elective-I**

AED-291:Dairy and Food Engineering  
 AED-292:Watershed Planning and Management  
 AED-293:Precision Agricultureand Management