

**FACULTY OF ENGINEERING AND TECHNOLOGY**  
Proposed Revised Structure for 2013-14  
[Third Year –Plastics and Polymer Engineering]

Sub No.	SEMESTER-V	Contact Hrs / Week				Examination Scheme						
	Subject	L	T	P	Total	CT	TH	TA	P	Total	Credits	Duration of Theory /practical Exam
PPE301	Polymer Rheology & Morphology	3	1	-	4	20	80	-	-	100	4	3 Hrs
PPE302	Thermosetting Resins	3	1	-	4	20	80	-	-	100	4	3 Hrs
PPE303	Heat Transfer	3	1	-	4	20	80	-	-	100	4	3 Hrs
PPE304	Elastomer Technology	4	-	-	4	20	80	-	-	100	4	3 Hrs
PPE305	Economics & Management	4	-	-	4	20	80	-	-	100	4	3 Hrs
PPE306	Instrumentation & Process Control	2	-	-	2	10	40	-	-	50	2	2 Hrs
PPE321	Lab-I: Polymer Synthesis	-	-	4	4	-	-	50	50	100	2	-
PPE322	Lab-II: Elastomer Technology	-	-	2	2	-	-	25	25	50	1	-
PPE323	Lab-III: Heat Transfer	-	-	2	2	-	-	25	25	50	1	-
PPE324	Lab-IV: Seminar	-	-	2	2	-	-	50	-	50	1	-
	<b>Total of semester-V</b>	<b>19</b>	<b>3</b>	<b>10</b>	<b>32</b>	<b>110</b>	<b>440</b>	<b>150</b>	<b>100</b>	<b>800</b>	<b>27</b>	
Sub No.	SEMESTER-VI	Contact Hrs / Week				Examination Scheme						
	Subject	L	T	P	Total	CT	TH	TA	P	Total	Credits	Duration of Theory /practical Exam
PPE351	Polymer Processing Technology	3	1	-	4	20	80	-	-	100	4	3 Hrs
PPE352	Polymer Reaction Engineering	3	1	-	4	20	80	-	-	100	4	3 Hrs
PPE353	Mass Transfer	3	1	-	4	20	80	-	-	100	4	3 Hrs
PPE354	Polymer Recycling & Waste Management	4	-	-	4	20	80	-	-	100	4	3 Hrs
PPE391-393	Elective I	4	-	-	4	20	80	-	-	100	4	3 Hrs
PPE355	Specialty Polymers	2	-	-	2	10	40	-	-	50	2	2 Hrs
PPE371	Lab-V: Polymer Processing Technology	-	-	2	2	-	-	25	25	50	1	-
PPE372	Lab-VI: Polymer Reaction Engineering	-	-	2	2	-	-	25	25	50	1	-
PPE373	Lab-VII: Mass Transfer	-	-	2	2	-	-	25	25	50	1	-
PPE374	Lab-VIII: Design Lab II	-	-	2	2	-	-	50	-	50	1	-
PPE375	Lab-IX: Project-I	-	-	2	2	-	-	50	-	50	1	-
	<b>Total of semester-VI</b>	<b>19</b>	<b>3</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 V &amp; VI</b>	<b>38</b>	<b>6</b>	<b>20</b>	<b>64</b>	<b>220</b>	<b>880</b>	<b>325</b>	<b>175</b>	<b>1600</b>	<b>54</b>	

**Elective I**

1. PPE391 Biopolymers
2. PPE392 Plastics Packaging Technology
3. PPE393 Surface coating

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