NIRMA UNIVERSITY INDUSTRIAL DESIGN PROGRAM Bachelor of Design, Department of Design Year II, Semester IV

L	Т	Р	С
		3	2

Course Code	DSK 228
Course Title	Materials & Processes II- Plastics

Course Learning Outcomes (CLO):

At the end of the course the student will be

- 1. Equipped to understand plastics as a material, various compositions of plastics available currently and their application in current context
- 2. Understand methods of making consumer and industrial products using various manufacturing techniques for plastics

Syllabus:		Teaching hours: 45	
Unit 1	Introduction to various kinds of plastics	Teaching hours: 6	
Unit 2	Various methods of producing plastic goods	Teaching hours: 24	
2.1 2.2 2.3 2.4	Injection Moulding, Extrusion Moulding, Blow Moulding Dye Casting, Mould Making & Master making Fabrication, Thermo- forming etc. Documentation of various processes seen through Industry vis	sits	
Unit 3	Practice based studio work	Teaching hours: 12	
3.1 bonding,	Exploration & Fabrication of simple forms & objects using vacarving, cutting, sticking, turning and welding	ariety of processes, including	
Unit 4	Plastics & Environment; issues of sustainable practice	Teaching hours: 3	
Suggest	ed Readings:		

- 1. Plastic Dreams by Charlotte and Peter Fiell
- 2. Industrial Design Reference & Specification Book: Dan Cuffaro, Isaac Zaksenberg
- 3. I Am Plastic: The Designer Toy Explosion by Paul Budnitz

w.e.f. Academic year _2018 and onwards Key: L= Lecture, T= Tutorial, P= Practical, C= Credit