

	<b>National University of Sciences and Technology</b>	
	<b>Course Description</b>	
<b>Course Title</b> Integrated Product Design	<b>Course Code</b> <b>ME 831</b>	<b>Credit Hours</b> <b>3 – 0</b>

**Textbook:**

- “Integrated Product and Process Design and Development” by F. Patrick McCluskey , Peter A. Sandborn , Satyandra K. Gupta , and Edward B. Magrab
- “Integrated Product and Process Design and Development: The Product Realization Process” by Edward B. Magrab

**Course Objective:**

- The subject aims to provide a comprehensive and informative view to students of Integrated product and design.

**Course Outline:**

- Product Development in the 21<sup>st</sup> century, Integrated product and process design, product cost analysis, product functional requirements, translating customer requirements into products, design for assembly, material selection, manufacturing process and design, product and process improvements.

**ASSESSMENTS**

Description	Percentage Weightage (%)
Assignments	05-10%
Quizzes	10-15%
Mid Semester Exams	30-40%
End Semester Exam	40-50%