



Mechanical Engineering Dept. Department

Syllabus

ME 493: ST. Materials & Manufacturing (3-0-3)

Course Catalog Description:

In-depth study of topics related to Materials and Manufacturing that attract the interests of mechanical engineering faculty, students, and the local industry. The specific topic and course description will be made available to students one semester in advance.

Course Objectives:

1. In-depth study of topics related to Materials and Manufacturing

Course Learning Outcomes:

CLO1. Students will be able to use the concepts of Materials & Manufacturing in engineering decision-making.

CLO2. The student shall understand the basic concepts of Materials & Manufacturing.

CLO3. Students should be able to work and write reports together as team members and communicate more efficiently through oral/poster presentation.

CLO4. The students will be able to understand professional responsibility through data collection procedures, review of tribology issues, and public relations and contemporary issues associated with them

Learning Resources:

- To be specified by the course instructor

Lecture Assessment Plan:

Assessment Task	Week Due	Weight
Exam-2	10	25.0%
Projects	14	15.0%
Final Exam	15	30.0%
Exam-1	6	20.0%
Quizzes	None	10.0%

Lecture Weekly Schedule:

Week#	Topics
1	Entire course
2	Entire course (Continue)
3	Entire course (Continue)
4	Entire course (Continue)
5	Entire course (Continue)
6	Entire course (Continue)
7	Entire course (Continue)
8	Entire course (Continue)
9	Entire course (Continue)
10	Entire course (Continue)
11	Entire course (Continue)
12	Entire course (Continue)
13	Entire course (Continue)
14	Entire course (Continue)
15	Entire course (Continue)