

**ME 102 Mechanical Engineering Orientation**  
**SYLLABUS-Spring 2017**

Asst. Prof. Dr. Ekin Özgirgin YAPICI, Room: LA08

Week	Topic(s)
1	Introductory Meeting: ME Curriculum, Undergraduate Regulations
2	History and Development of Engineering, Mechanical Engineering
3	Analytical, Experimental, and Computational Tools for Engineers
4	Dimensional Analysis
5	Dimensional Analysis and Unit Systems
6	Units Systems
7	Arithmetic Calculation, Error Analysis
8	Engineering Sciences: Thermal, Fluid Related Sciences
9	Engineering Sciences: Mechanical Sciences
10	Manufacturing Technologies
11	Engineering Design and Problem Solving
12	Introduction to Engineering Economics, Environmental issues, health and safety
13	Engineering ethics
14	Technical Visit