



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Statics and Strength of Materials
Course Number: MET124

Required Materials

Textbook(s): Statics and Strengths of Materials, Limbrunner
Required Readings: None
Additional Materials: Scientific Calculator, Engineering or graph paper.

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
1	Chapter 1-Introduction to Statics/ Math Review (GLO 2,3,4)
2	Chapters 2 & 3-Concurrent Forces, Components, Resultants (GLO2,4)
3	Chapter 3- Non-Concurrent Forces and Moments (GLO2,4)
4-5	Chapter 4-Free Body Diagrams and Equilibrium of Forces (GLO1,2,3,4), Exam #1
6-7	Chapter 5-Trusses: Method of Joints and Sections (GLO2,4)
8	Chapter 5-Frames and Machines (GLO2,4)
9	Chapter 7-Centroids
10	Chapter 8-Moments of Inertia (GLO2,4), Exam #2
11	Chapter 9-Axial Stress, Shear Stress, Strain, Poisson's Ratio (GLO2,4)
12	Chapter 10-Intro to Strength of Materials (GLO1,2,3,4)
13	Chapter 11-Stress Considerations
14	Chapter 13-Shear and Moment Diagrams (GLO1,2,3,4)
15	Chapters 13 & 14-Shear and Bending Stress (GLO1,2,3,4), Exam #3
16	FINAL EXAM