



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Mechanical Drive Components  
**Course Number:** MST221

### Required Materials

**Textbook(s):** IPT's Industrial Trades Training Manual: Power Transmission Systems, Bruce M. Basaraba  
**Required Readings:** None  
**Additional Materials:** None

### 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	Syllabus and Lab Overview, Chapter 1: Couplings Lecture
2	Chapter 1: Couplings Lecture, Chapter 1: Couplings Lab
3	Chapter 1: Couplings Quiz, Chapter 7: Clutches Lecture
4	Chapter 7: Clutches Lecture, Chapter 3: Friction Bearings Lecture
5	Chapter 7: Clutches Quiz, Chapter 3: Friction Bearings Lecture
6	Chapter 3: Friction Bearings Quiz @ Test-center in C107
7	Chapter 2: Gears Lecture
8-9	Chapter 2: Gears Lab (1), Chapter 2: Gears Lab (2)
10	Chapter 2: Gears Quiz, Chapter 8: Belts Lecture
11	Chapter 8: Belts Lecture, Chapter 8: Belts Lab
12	Chapter 8: Belts Quiz, Chapter 9: Chain Drives Lecture
13	Chapter 9: Chain Drives Lecture, Chapter 9: Chain Drives Lab
14	Chapter 9: Chain Drives Quiz, Chapter 4/6: Roller Bearings Lecture
15	Chapter 4/6: Roller Bearings Lecture, Chapter 4/6: Roller Bearings Lab (1)
16	Chapter 4/6: Roller Bearings Lab (2), Chapter 4/6: Roller Bearings Quiz