



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Concrete and Asphalt Testing
Course Number: CET222

Required Materials

Textbook(s): Basic Construction Materials 8th edition by Marotta
Required Readings: None
Additional Materials: Calculator and Engineering 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 2-Introduction/Aggregate Mass-Volume Relationships
2	Chapter 2-MOISTURE CONTENT LAB / Agg. Moisture Content and Specifications
3	Chapters 2&4-UNIT WEIGHT LAB / Aggregate Gradation and Specifications
4	Chapters 2&4-SIEVE ANALYSIS LAB/ Concrete Preliminaries
5	EXAM 1
6	Chapters 2&4-SPECIFIC GRAVITY OF COARSE AGGREGATE LAB / Concrete Admixtures lecture
7	Chapters 2&4-SPECIFIC GRAVITY OF FINE AGGREGATE LAB / Design Mixes for Type I
8	Chapter 4-TYPE I MIX /CYLINDERS/ SLUMP LAB
9	Chapter 3 & 4
10	Chapters 3&4-14 DAY TYPE I- CYLINDERS LAB/ Asphalt Prelims & History
11	EXAM 2
12	28 DAY TYPE I CYLINDERS LAB/ SuperPave Binder Tests
13	Chapter 3-ASPHALT ROTATIONAL VISCOMETER AND VIDEOS LAB /Superpave Specs
14	ODOT-DENSITY OF ASPHALT CORE LAB/ Pavement Design (ODOT)/Asphalt Plants
15	ODOT Construction Inspector Topics
16	EXAM 3