



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Analytic Geometry and Calculus II
Course Number: MTH224

Required Materials

Textbook(s): Calculus-Early Transcendentals, 9th edition; James Stewart, Daniel Clegg, Saleem Watson
 Cengage Learning, 2019;
 ISBN (instant access): 9780357128930
 ISBN (loose leaf): 9780357771105

Required Readings: None

Additional Materials: A graphing calculator is recommended.

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.

16 Week Calendar

Week	Chapter/Topic/Lab
1	Ch. 6 Applications of the Definite Integrals
2	Ch. 6 Applications of the Definite Integrals
3	Ch. 8 Applications of the Definite Integrals Test 1 (Chapters 6 and 8)
4	Ch.7 Techniques of Integration
5	Ch.7 Techniques of Integration
6	Ch.7 Techniques of Integration
7	Ch.7 Techniques of Integration Test 2 (Chapters 7)
8	Ch. 11 Infinite Sequences and Series
9	Ch. 11 Infinite Sequences and Series
10	Ch. 11 Infinite Sequences and Series
11	Ch. 11 Infinite Sequences and Series Test 3 (Chapter 11)
12	Ch. 10 Conic Sections and Polar Coordinates

Week	Chapter/Topic/Lab
13	Ch. 10 Conic Sections and Polar Coordinates
14	Ch. 10 Conic Sections and Polar Coordinates Test 4 (Chapter 10)
15	Applications and make up week (if time permits)
16	Comprehensive Final Exam

8 Week Calendar

Week	Chapter/Topic/Lab
1	Ch. 6 Applications of the Definite Integrals
2	Ch. 8 Applications of the Definite Integrals Test 1 (Chapters 6 and 8)
3	Ch.7 Techniques of Integration
4	Ch.7 Techniques of Integration Test 2 (Chapters 7)
5	Ch. 11 Infinite Sequences and Series
6	Ch. 11 Infinite Sequences and Series Test 3 (Chapter 11)
7	Ch. 10 Conic Sections and Polar Coordinates
8	Ch. 10 Conic Sections and Polar Coordinates Test 4 (Chapter 10)
	Applications and make up week (if time permits)
8	Comprehensive Final Exam