

1. Course Title:

Calculus II
MATH 173 – 5 Credits

EET Program Requirement

Prerequisite: Math 172

This is a Math and Science content course under ABET Criterion 5

2. Faculty Member Information:

Instructor: Scott M. Lewis

Office: Room 225 Hertz Hall

Phone: 509-963-3266

E-mail: slewis@cwu.edu

3. Course Description:

Techniques and application of differentiation and integration of elementary functions.

4. Textbook and other required materials for the course:

Thomas, et.al., *Thomas' Calculus, Early Transcendentalist, 11th Ed.*, Pearson-Addison-Wesley, 2006

5. Specific Learner and Expressive Outcomes and Assessment Strategies:

ABET Outcome Criteria #	Learner Outcomes	Assessment
	1. To demonstrate knowledge and understanding of integration.	The student will complete homework assignments, a written test.
	2. To demonstrate knowledge and ability to use definite integrals	The student will complete homework assignments, a written test.
	2. To demonstrate knowledge and ability to use integrals and transcendental functions.	The student will complete homework assignments, a written test.
	3. To demonstrate the ability to apply the techniques of integration to several applied problems.	The student will complete homework assignments, a written test.

6. Course Topics and Schedule:

- Ch. 5: Integration
- Ch. 6: Applications of definite integrals
- Ch. 7: Integrals and Transcendental Functions
- Ch. 9: Applications

7. Grading:

Your grade will be determined by two midterms (30% ea.) and a final examination (40%). the first midterm will take place (and be graded) before the deadline for dropping the class. grades will be assigned on a 90%-80%-70%-60% scale. i do give A-'s, B-'s, and C-'s. occasionally, the lines between A-/B+, etc. are lowered, but **never** raised. in other words, if your average is 90% then you will receive some sort of an 'A.'

I collect selected homework assignments and we will have several unannounced, but straight-forward, quizzes to help you see where you stand regarding the content of the course.

If you have any questions or comments, feel free to come by my office or e-mail me at the address below.

8. ADA Statement:

Students who have special needs or disabilities that may affect their ability to access information and or material presented in this course are encouraged to contact me or Robert Harden, ADA Compliance Officer, Director, ADA Affairs and Students Assistance on campus at 963-2171 for additional disability related educational accommodations.