

1. Course Title:

Calculus II, MATH 173 – 5 Credits

Prerequisite: MATH 172 with a C or better

2. Faculty Member Information:

Instructor:	Nathan Davis	Office:	203B
E-mail:	davisna@cwu.edu	Phone:	509-963-1763
Office Hours:	8:00 AM – 8:45 AM, Mon - Fri		

3. Course Description:

Theory, techniques, and applications of differentiation and integration of the elementary functions.

4. Textbook and other required materials for the course:

Hughes-Hallett et al., *Calculus, Single & Multivariable* 6th Ed, Wiley, 2013
ISBN 978-0-47-088861-2

5. Course Overview:

Welcome to Calculus II. This course is a standard second course in calculus. Topics include integration of elementary functions; techniques of integration; integrals with infinite limits of integration; integrals of discontinuous integrands; applications of the definite integral; an introduction to differential equations; infinite series; and other applications, as time permits.

6. Course Topics and Schedule:

The following schedule represents the intended sequence of study and is subject to adjustment to meet the needs of the class. The readings are from the Hambley text.

Weeks	Topic	Reading
1	Area, Riemann Sums, and the definite integral	Chapter 5
2 - 4	The fundamental theorem of calculus and the antiderivative.	Chapter 6
4	Exam 1 (Friday) Chapters 5-6	
5 - 7	Methods of integration	Chapter 7
7	Exam 2 (Friday) Chapters 5-7	
8 – 10	Applications of integration	Chapter 8
TBD	Introduction to slope fields and first order ordinary differential equations	Chapter 11

7. Grading:

Homework:

- Two homework assignments per week, typically due on Monday and Thursday.
- Ten representative problems from each assignment will be selected and graded on a no credit, half credit, full credit basis for 10 points possible per assignment
- Late assignments will be awarded up to 50% credit if received before each subsequent exam. No late work will be accepted after Wednesday, 29May13.

Exams:

- Two Mid-Term Exams scheduled for Friday, 19Apr13 and Friday, 17May13, each worth 100 points
- One final Exam scheduled for Tuesday, 4Jun13, from 12:00 PM - 1:50 PM, worth 100 points
- All Exams are cumulative.

Your final grade will be based on the weighted system as outlined below.

Homework	55%
Mid-Term Exam 1	15%
Mid-Term Exam 2	15%
Final Exam	15%

94%≤Grade	A	74%≤Grade<77%	C
90%≤Grade<94%	A-	70%≤Grade<73%	C-
87%≤Grade<90%	B+	67%≤Grade<70%	D+
84%≤Grade<87%	B	64%≤Grade<67%	D
80%≤Grade<83%	B-	60%≤Grade<63%	D-
77%≤Grade<80%	C+	Grade<60%	F

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.