

COURSE SYLLABUS
MA 227-01, CALCULUS III



I. INSTRUCTOR INFORMATION

- A. Name: Dr. Lee Raney
- B. Office: Mathematics Building 126
- C. E-mail Address: lraney@una.edu
- D. Office Phone Number: (256) 765-4125
- E. Office Hours: Monday-Thursday 9-10am; or by appointment
(subject to change)

II. COURSE INFORMATION

- A. Calculus III, MA 227, 4 credit hours
- B. Spring 2017, Section 01
- C. Class meeting time: MTWR 10-10:50, Mathematics Building 6
- D. Prerequisites: MA 126 (Calculus II) with a minimum grade of C
- E. Course Description: This is the third of three courses in the basic calculus sequence. Topics include three-dimensional geometry, vectors and vector functions, functions of two or more variables, partial derivatives and applications, quadric surfaces, multiple integrals, and vector calculus including Green's Theorem, curl and divergence, line and surface integrals, Stokes' Theorem, and the Divergence Theorem.
- F. Course Content:
 - Chapter 11: Three-Dimensional Geometry
 - Chapter 12: Curves and Vector Functions
 - Chapter 13: Partial Derivatives and Applications
 - Chapter 14: Multiple Integrals
 - Chapter 15: Vector Calculus

III. TEXTBOOK AND SOFTWARE

A. Textbook: *University Calculus: Early Transcendentals, 2nd Edition* by Hass, Weir, and Thomas

Note: The homework will be completed online using the MyMathLab (MML) software. The MML software is REQUIRED for this class. The textbook is included as an electronic version in your MML subscription. YOU DO NOT NEED TO PURCHASE A BOOK SEPARATELY unless you want the print version.

B. Software: MyMathLab (MML) Student Access Kit

Note: Your MML access code is used for MA 125, MA 126, and MA 227.

C. Calculator Policy: A scientific or graphing calculator is permitted. Cell phones may not be used as calculators.

IV. ACCOMMODATIONS

In accordance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, the University offers reasonable accommodations to students with eligible documented learning, physical and/or psychological disabilities. Under Title II of the Americans with Disabilities Act (ADA) of 1990, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Amendment Act of 2008, a disability is defined as a physical or mental impairment that substantially limits one or more major life activities as compared to an average person in the population. It is the responsibility of the student to contact Disability Support Services to initiate the process to develop an accommodation plan. This accommodation plan will not be applied retroactively. Appropriate, reasonable accommodations will be made to allow each student to meet course requirements, but no fundamental or substantial alteration of academic standards will be made. Students needing assistance should contact Disability Support Services (256-765-4214).

V. COMMUNICATION

The official method of communication at UNA is UNA Portal with emphasis placed on UNA email.

VI. ACADEMIC HONESTY POLICY

Students are expected to be honorable and observe standards of conduct appropriate to a community of scholars. Additionally, students are expected to behave in an ethical manner. Individuals who disregard the core values of truth and honesty bring disrespect to themselves and the University. A University

community that allows academic dishonesty will suffer harm to the reputation of students, faculty, and graduates.

Incidents of possible student academic dishonesty will be addressed in accordance with the guidelines found at the following link:

<https://www.una.edu/student-conduct/student-rights-and-responsibilities/academic-honesty.html>

VII. TITLE IX

The University of North Alabama has an expectation of mutual respect. Students, staff, administrators, and faculty are entitled to a working environment and educational environment free of discriminatory harassment. This includes sexual violence, sexual harassment, domestic and intimate partner violence, stalking, gender-based discrimination, discrimination against pregnant and parenting students, and gender-based bullying and hazing.

Faculty and staff are required by federal law to report any observations of harassment (including online harassment) as well as any notice given by students or colleagues of any of the behaviors noted above. Retaliation against any person who reports discrimination or harassment is also prohibited. UNA's policies and regulations covering discrimination and harassment may be accessed at www.una.edu/titleix. If you have experienced or observed discrimination or harassment, confidential reporting resources can be found on the website or you may make a formal complaint by contacting the Title IX Coordinator at 256-765-4223.

VIII. ATTENDANCE POLICY

Regular and punctual daily attendance at all classes is expected of all students. Whenever a student's cumulative absences for any reason – excused or unexcused – exceed the equivalent of three weeks of scheduled classes, no credit may be earned for the course. The student will either withdraw from the course or receive an F for the course grade. Any exceptions to this policy will be in accordance with the University policy.

In particular, the following policy will be enforced: If, at any time during the semester, a student has more than three weeks of cumulative absences *and* is receiving an overall course grade below 60%, the student will be given two choices: either withdraw from the class or stay enrolled in the class and automatically receive a grade of F.

IX. FINAL EXAM

Monday, May 8, 8-9:45am, in our classroom.

The Final Exam is mandatory and comprehensive. *The final exam is worth 20% of your course grade.*

X. GRADING SCALE

Grades will be assigned according to the following scale:

A	90% – 100%
B	80% – 89%
C	70% – 79%
D	60% – 69%
F	Below 60%

XI. GRADING PLAN

Homework	15%
Quizzes and Activities	20%
Three Semester Exams	45%
Final Exam	20%
Total	100%

XII. ONLINE HOMEWORK

Several online homework assignments will be given through the MML system. Students are highly encouraged to check MML regularly for new assignments. No extensions will be given on homework. Additional homework problems from the textbook or other sources may also be assigned.

XIII. QUIZZES AND ACTIVITIES

Quizzes will be announced at least one class day in advance.

XIV. SEMESTER EXAMS

There will be a total of three exams during the semester. The exam format is generally free response, but some short answer or multiple choice questions may also be present. Exam dates and topics will be announced at least one week in advance.

XV. CANVAS

Students are expected to check Canvas (<http://una.instructure.com>) regularly for course announcements, messages, and updates.

XVI. MAKEUP POLICY

Makeups are given only at the discretion of the instructor and on a case-by-case basis. The only exception is a legitimate, documented excuse in accordance with the University's excused absence policy. In the event of a missed assignment, the student must contact the instructor *immediately*. If you anticipate missing an

exam or quiz, you must contact the instructor *at least one week in advance*.
Assignments can not be made up once they are graded and returned to the class.

XVII. STUDENT CONDUCT

It is expected that all students will conduct themselves in a professional manner. Students are responsible for keeping track of their own course standing. Students with questions regarding their course grades should contact the instructor immediately.

XVIII. EXTRA HELP

In addition to help from the instructor, help is available through the Mathematics Learning Center. Students may schedule a *free* individual session with a Mathematics Consultant at <http://tutortrac.una.edu>.