

Class Schedule: TWTR 10:15am-12:20pm (125 minutes)
Class Room: 318 Goodwyn Hall

Professor: Dr. Jerome Goddard II
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Office Hours: TWTR 1:45-3:05pm (others by appointment)

Important Dates:

May 28-29	Memorial day & student holiday!
May 5	Last day to drop/resign classes
July 4-5	Independence day & student holiday!
July 26	Last day of classes
Thursday, July 26, 10:15am-12:20 pm	Final Exam

Text: **Calculus: Early Transcendental Functions** Larson and Edwards (5e), Thomson Brooks/Cole 2011

Catalog Description:

MATH 1610

4 credit hours

Calculus I

Basic differential calculus and an introduction to the integral calculus of rational, trigonometric, logarithmic, and exponential functions. Limits; the derivative; computation of derivatives; applications of derivatives; antiderivatives; areas; definite integral; Fundamental Theorem of Calculus.

Course Objectives:

Selected topics from chapters 1-5. Upon successful completion of this course the student will demonstrate an understanding of and ability to apply each of the following topics (time permitting):

- Limits
- Definition of the derivative
- Computation of derivatives for rational, trigonometric, logarithmic, and exponential functions
- Applications of derivatives including:
 - Curve sketching
 - Related rates
 - Optimization
- Newton's Method
- Antiderivatives
- Area
- Definite integral
- Fundamental Theorem of Calculus

Prerequisites: MATH 1120 (Precalculus Algebra) and MATH 1550 (Trigonometry), **OR** MATH 1150 (Precalculus Algebra with Trigonometry), **OR** an appropriate score on the AUM Math Placement Test.

Calculator: According to AUM Department of Mathematics Calculator Policy, students are encouraged to possess a graphing calculator. A Texas Instrument's TI-84 (TI-83 or TI-82) is recommended. **Calculators are NOT allowed on assignments/exams** but may be used for homework and in-class discussion.

Electronic Devices: Cell phones, computers, tablets, and other electronic devices (except approved calculators) should be powered off, set to emit no audible sound (including vibration and messaging), and put away during class.

*****Use of cell phones for any purpose during class is in violation of class policy*****

Free Tutoring: Free one-on-one tutoring is available in the Learning Center (LC), located in 325 Moore Hall (Phone: 334-244-3470). Students can call or stop in for an appointment. In addition, the LC hosts several calculator workshops. The Instructional Support Lab (ISL) located in 203 Goodwyn Hall (Phone: 334-244-3265) is another free tutorial center that is available to assist AUM students. Tutorial services at the ISL are available on a first come, first serve basis--no appointment necessary. Also, please feel free to come by my office during regular office hours for help.

Academic Integrity: As a student in this class you are committed to abide by the standards of academic integrity stated in the AUM catalog. Cheating of any form is not tolerated. Violators will receive an "F" course grade for any offense.

Attendance: Class attendance is mandatory and will be taken at each class by your signing an attendance sheet. Failure to sign the attendance sheet will be counted as an absence. A student is considered to be absent if they come in after attendance has been taken or leave early. **Students are solely responsible for catching up on material that they miss due to any absence.** You may earn up to 6 extra points for attendance.

Assignments: Problems from each textbook section will be assigned in class and should be completed before the next class period. However, textbook homework will not be collected nor graded. In addition, several short in-class quizzes will be given with or without advance notice. The average of the quiz grades will be counted as one test grade.

Grades:

300pts	Three in-class tests (100pts each)
100pts	Quiz average
200pts	Comprehensive final exam
You may earn up to 6 additional points based on attendance	

Your total points from above will be **divided by 6** to calculate your course grade.

Final grades will be assigned as follows:

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
59 – 0	F

Makeup Tests: NO makeup tests are allowed. Should you miss a test, the final exam scaled to a 100 point grade will replace only **one** missed test. There are no makeups allowed for quizzes.

Accommodation Notice: It is the policy of AUM to provide appropriate modifications, accommodations or auxiliary aids to any student with a documented disability as defined by Section 504 of the Rehabilitation Act of 1973, as amended, and by the Americans with Disabilities Act (ADA) of 1990, and the ADA Amendments Act of 2008. It is the student's responsibility to request accommodations and provide appropriate documentation. Students with disabilities are encouraged to contact the Center for Disability Services (CDS) in Room 101 Taylor Center or call CDS at (334) 244-3631 prior to or upon enrollment at AUM.