

**Class Schedule:** TTR 12:20pm-2:00pm (100 minutes, Period 4)  
**Class Room:** 221 Goodwyn Hall

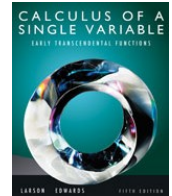
**Professor:** Dr. Jerome Goddard II  
**Office:** 310 R Goodwyn Hall  
**Phone:** 334-244-3023  
**E-mail:** [jgoddard@aum.edu](mailto:jgoddard@aum.edu)  
**Website:** <http://www.jeromegoddard2.com>



**Office Hours:** TTR 9:25am-10:40am & W 9:00am-12:05pm (others by appointment)

**Important Dates:**

September 1-2	Labor Day holiday & student holiday!
October 17	Midterm grades due
October 29	Last day to drop/resign classes
November 24-28	Thanksgiving holiday!
December 9	Last day of classes
Tuesday, Dec 16, 10:45am-1:15pm	Final Exam



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

**Catalog Description:**

*MATH 2630*

*4 credit hours*

*Calculus III*

A continuation of Calculus II. Vectors and curvilinear motion; partial derivatives; gradient and its applications; multivariable chain rule; maxima and minima, including Lagrange multipliers; double and triple integration; line integrals; Green's Theorem; surface integrals; Divergence Theorem; Stokes's Theorem, at the discretion of the instructor.

**Prerequisites:** MATH 1620 (Calculus II) **OR** an equivalent course.

**Course Objectives:**

Selected topics from chapters 11-15. Upon successful completion of this course the student will demonstrate an understanding of and ability to apply each of the following topics (time permitting):

- Vectors and curvilinear motion
- Vector-valued functions
- Functions of several variables
- Partial derivatives
- The gradient and its applications
- Multivariable chain rule
- Maxima & minima with applications
- Lagrange multipliers
- Double & triple integration
- Line & surface integrals
- Green's & Divergence Theorems

**Methods of Instruction:** The format of class meetings will consist of interactive lectures, in-depth discussion, & group activities. Student participation is highly encouraged.

**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 or 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 225 Library Tower (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.** Students 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  
6 additional points possible from attendance

Final grades will be assigned as follows:

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

The total points earned will be **divided by 6** to calculate the course grade.

\*All borderline cases will be determined according to student participation, class attendance, and overall student performance.

**Midterm Grade:** Your midterm grade will consist of the average of Test 1 and the quiz grade average to date. *This grade is only meant to be an estimate of current progress in the class and can be quite different than your final class grade.*

**Makeup Work:** 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 for “excused” absences as outlined in the [AUM Attendance Policy](#) and only with appropriate verification. There are no makeups allowed for quizzes. However, the lowest quiz grade will be dropped.

**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 147 Taylor Center or call CDS at (334) 244-3631 prior to or upon enrollment at AUM.