

OAKLAND UNIVERSITY  
COLLEGE OF ARTS AND SCIENCES  
DEPARTMENT OF MATHEMATICS AND STATISTICS  
STUDENT INFORMATION SHEET AND SYLLABUS

## MTH 254 Multivariable Calculus

Winter 2018

MW 5:30 - 7:17 p.m. 233 HH

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**Office Hours:** MW 4:00-5:00 pm or by appointment

CATALOG DESCRIPTION : A study of vectors, polar coordinates, three-dimensional geometry, differential calculus of functions of several variables, exact differential equations, multiple integrals, line and surface integrals, and vector fields.

PREREQUISITES : MTH 1555 (formerly MTH 155) with a grade of 2.0 or higher.

TEXT : “*Multivariable Calculus*”, 8th ed. or “*Calculus*”, 8th ed. by J. Stewart We will cover Chapters 12-16.

CLASS CONDUCT : **Attendance at every class is expected.** Success in this course requires an atmosphere conducive to learning. As a courtesy to your fellow students and instructor, please come to class on time and refrain from extraneous conversation during class. All electronic devices must be turned off or silenced prior to entering the classroom. If there is reason that you need to leave your phone on, please let me know and arrangements can be made. If circumstances make it necessary for you to leave early, please notify the instructor in advance and leave quietly. Otherwise, come prepared to stay for the entire class.

CALCULATOR POLICY: Calculators are permitted on all tests, quizzes and the final exam to perform arithmetic operations or to evaluate functions. To receive full credit on tests, be sure to show all the mathematical work necessary for setting up a calculation before using the calculator. Using a calculator to store formulas you need for a test is not permitted. Devices with exterior communication capabilities are not permitted on any test, quiz or exam.

WEB PAGE : Go to [moodle.oakland.edu](http://moodle.oakland.edu) to access the web page for this course. You will need your Oakland University username and password. This page contains the syllabus, the homework, solutions to exams, and other items that may arise.

TESTS: There will be two in-class exams scheduled for

**February 7 (Wednesday), March 28 (Wednesday),**

respectively, and a final exam scheduled for

**April 25, Wednesday 7:00-10:00 PM.**

All tests will be closed book tests. The final exam is comprehensive. Any questions about the grading of these tests must be raised with the instructor within 10 work days of their return.

WEBASSIGN HOMEWORK: Homework will be assigned twice a week via WebAssign. WebAssign is a web-based homework system. It will allow you to submit your homework solutions multiple times, receive instant feedback, and keep track of your results. Late homework will not be accepted unless you have a valid excuse. At the end of the term, the worst two homework grades will be dropped. Homework will count 20% toward your grade in the course.

EMERGENCY CLOSING: If the University is officially closed at the time of a scheduled test or examination, it will be given during the next class period when the University reopens. Closures during the final exam period require rescheduling by the Registrar. The Oakland University emergency closing number is 248-370-2000.

GRADING POLICY : Your course grade will be based on the two in class exams, the final exam and the homework. Each in class exam is worth 20%, the final exam is worth 40% and the homework is worth 20%. There is no fixed grading scale for this course; a conversion formula from your percentage score to Oakland University grades will be determined at

the end of the course. However, the following list shows the lowest possible grade that a given percentage score will earn (the grade may be higher than this):

95%→4.0, 80%→3.0, 65%→2.0, 50%→1.0

This list is the best way to measure your performance throughout the semester. Course grades are posted by the Registrar on-line at [sail.oakland.edu](http://sail.oakland.edu) after the close of the semester's exam period. Any questions about a course grade must be raised with the instructor within 10 work days of its posting by the Registrar.

**MAKE-UP POLICY** : No make-up tests will be given. If you miss one (respectively two) test(s) with a valid excuse, your final exam will be worth 60% (respectively, 80%) of your course grade; otherwise the missed test will count as a 0. **Travel and vacation plans do not constitute a valid excuse.**

**ACADEMIC HONESTY** : Cheating is a serious academic offense. Oakland University policy requires that all suspected instances of cheating be reported to the Academic Conduct Committee for adjudication. Anyone found guilty of cheating in this course will receive a course grade of 0.0, in addition to any penalty assigned by the Academic Conduct Committee. Working with others on a homework assignment does not constitute cheating; handing in an assignment that has essentially been copied from someone else does. Receiving help from someone else or from unauthorized written material during an exam is cheating, as is using a calculator as an electronic "crib sheet." Providing such assistance for someone else also constitutes cheating.

**SUCCEEDING IN THIS COURSE** : You are encouraged to take advantage of the resources available to you: each other (forming study groups), your instructor's office hours, the Homework Help Forum and the Academic Skills Center. The Problem Discussion Forum can be accessed through the Moodle course page and its main purpose is to discuss homework problems with your classmates. Especially if you are stuck on a problem, you can post it on the forum and open it to discussion.

It will help you considerably if you read the material beforehand, even just a quick reading. Then, the new concepts will not be completely new. If you are having difficulty with some concept or mathematical procedure, you should get it clarified as soon as possible. If you make mistakes on the exams, rework these problems with the idea that you will not make similar mistakes later. Regular reviewing of older material will put you in good stead when it comes to final exam time.

**VETERAN SUPPORT SERVICES** : The Office of Veteran Support Services (VSS) is the campus office responsible for supporting student veterans and military families. Through VSS, veterans and their dependents can be connected to campus and community resources to help ensure they are receiving the benefits they have earned. Student veterans and military dependents who wish to learn more about the services afforded to them should contact VSS, by visiting 116 North Foundation Hall, emailing [VSS@oakland.edu](mailto:VSS@oakland.edu), by phone at 248-370-2010 or visiting <http://www.oakland.edu/veterans/>.

**SPECIAL CONSIDERATIONS** : Students with disabilities who may require special considerations should contact the Office of Disability Support Services. Such students should also notify their instructor as soon as possible.

**IMPORTANT DATES** : The Registrar sets dates for no record drops and official withdrawal. The complete list for this semester can be found at: [www.oakland.edu/important-dates](http://www.oakland.edu/important-dates) or 248-370-3450. It is the student's responsibility to be aware of the University deadlines for dropping the course.

Jan 3	Classes begin
Jan 15	Martin Luther King, Jr. Day - No classes
Jan 17	Last day for no-grade drop
Feb 17	Winter recess begins at 10 pm
Feb 26	Classes resume
Mar 14	Last day for official withdrawal (W grade)
Apr 17	Last day of classes
Apr 25	Final Exam, 7:00-10:00 pm