

<b>Instructor:</b> Office: Office Phone: e-mail: Webpage:  Office Hours:	Dr. Zdeňka Guadarrama Science Center, 120F 816-501-4526 <a href="mailto:guadarrama@rockhurst.edu">guadarrama@rockhurst.edu</a> <a href="http://www.rumathphysics.org/guadarrama">www.rumathphysics.org/guadarrama</a>  Monday, Wednesday and Friday 9:00-10:00 Thursday 10:00-11:00, or by appointment via e-mail.
Meetings	MWF 11:00-12:10, Science Center, Room 205
Required Materials	<p><u>Text:</u>  <i>Multivariable Calculus</i>, Hughes-Hallett, Gleason, McCallum, et al. Wiley, 5<sup>th</sup> Edition, 2009 ISBN: 978-0-470-13158-9</p> <p><u>WebAssign:</u>  WebAssign Student Access Code: purchase online at <a href="http://www.webassign.net">www.webassign.net</a> or in RU bookstore</p>
Course Websites	<ol style="list-style-type: none"> <li>For homework on-line assignments, and all grades: WebAssign online homework system at <a href="http://www.webassign.net">http://www.webassign.net</a></li> <li>For worksheets, class materials, labs, syllabus and general information <a href="http://rumathphysics.org/guadarrama/teaching.html">http://rumathphysics.org/guadarrama/teaching.html</a></li> </ol>
Other Resources	<p><u>Computer Labs:</u> Science Center Rooms 203 and 205. For locations and availability of other computer labs on campus, see: <a href="http://www.rockhurst.edu/services/computer/labs.asp">http://www.rockhurst.edu/services/computer/labs.asp</a></p> <p><u>Learning Center:</u> VanAckeren 200. Walk in math tutoring during most times at which Learning Center is open: M-Th 8:00am – 8:00pm and Fri. 8:00am – 4:30pm.</p> <p><b>NEW!!! <u>Calculus Bonus Sessions:</u> Tuesdays 1:30pm – 3:00pm in SCI 203 NEW!!!</b></p>
Examinations:	In-class tests  <b><u>Final Exam</u></b> Monday, December 7, 10:30-12:30.
Outline:	Chapters 12-17.

**Course description (catalogue)**

Improper integrals, analytic geometry, polar coordinates, functions of several variables, higher partial derivatives, vector operations and multiple integrals.

**Objectives**

Students will:

- Differentiate and integrate functions of more than one variable.
- Apply the concepts learned in multivariable calculus to a variety of applications.
- Improve on their ability to write, read, present and discuss mathematics.

**Grading**

In-class test with corrections	30%
HW, quizzes, etc.	40%
Project	15%
Final (Monday, December 7, 10:30 -12:30)	15%

**Bonus points**

Bonus points can add to a maximum of 20 points = 10% of your grade. You can obtain bonus points by attending the seminars designated for bonus (a list will be provided) and/or Calculus Bonus Sessions. Each of these activities will count for 1 extra point.

**Calculus Bonus Sessions**

All Calculus students are invited to attend weekly *Calculus Bonus Sessions*. During these sessions students will work together in small groups on various mathematical investigations (not pertinent to your Calculus course!), to be assigned at the beginning of the session. The purpose of these *Calculus Bonus Sessions* is to: build a student-centered mathematical community, introduce students to a deeper mathematical investigative process, and to provide students with an introduction into higher level mathematics through areas other than Calculus.

An instructor will be available in the session room to answer questions when needed. For full bonus credit, work must be presented (orally, on the white board) to the instructor. All group members must demonstrate an understanding of the concepts involved and the methods used.

**Calculus Bonus Sessions: Tuesdays 1:30pm – 3:00pm in SCI 203****Border lines for grading**

A	93.3%	B+	86.7%	C+	76.7%	D+	66.7%
A-	90%	B	83.3%	C	73.3%	D	63.3%
		B-	80%	C-	70%	F	<63.3%

**Late assignment submission policy**

Any late assignment submissions incur a 50% deduction penalty.

The latest possible date to submit an assignment is the minimum of the following two times:

- time it takes me to return the assignment graded
- one week after the official due date

**Make-up and policy**

A make-up exam will only be considered if you notify your instructor within 24 hours of the beginning of the exam that you missed. If you schedule a make-up exam and miss your appointed make-up time then you will have no further option to take a make-up exam. There will be **no make-up quizzes**.

**Tests**

After I grade your test and give it back, you will have a week to come by my office during office hours and, on the board, explain to me the problems that you missed on the test. This corrections, if done well, will give you back 20% of the missed points.

Ex. Suppose you made 80/100 in Test 1. You come to my office and correctly explain all the problems you missed. Your grade for Test 1 =  $80 + .2(20) = 84$ .

**VERY IMPORTANT NOTE**

Please feel free to talk to me if you have any questions, stop by my office or send me e-mail.

**Academic Honesty Policy:**

Consistent with its mission as a learning community, Rockhurst has a commitment to foster an environment of academic integrity. To this end, issues involving academic dishonesty in this course will be resolved through the process outlined in the College's Academic Honesty Policy. Please refer to page 253 in the University Catalog for definitions and details about academic honesty and plagiarism.

**From the Access Office:**

“Rockhurst University is committed to providing reasonable accommodations for students with disabilities. Please contact Sandy Waddell, Director of Access Services (Massman Hall, Room 7, 816.501.4689, [sandy.waddell@rockhurst.edu](mailto:sandy.waddell@rockhurst.edu)) to provide documentation and request accommodations. If accommodations have already been approved by the Access Office, please communicate with the instructor(s) of this course regarding these arrangements by the second week of class in order to coordinate receipt of services.”

“Student contact information must be kept current in order to receive important notices from Rockhurst University. Your contact information is online via your OracleWeb account. Please check your local address, local phone number, and emergency contact information on OracleWeb and revise as needed. **All important University notices will be sent only to your RU email address.** Please check your RU email account in addition to any other email accounts you may have. Accounts are activated at the Computer Services Help Desk.”

"Course withdrawals are the responsibility of the student. The RU Catalog lists the procedures for a student to withdraw from one or all courses and will be upheld. If the student does not process course withdrawal(s) correctly, it will result in a failing grade."

**Note**

I reserve the right to make changes to the above stated policies and outline at any point during the semester if I consider it necessary. You will be notified if any changes take place.