

# MATH 2163.701 Honors Calculus III Spring 2016

## MWF 10:30-11:20 AM, HSCI 331

**Instructor:** Dr. Robert Myers, Professor of Mathematics

**Office:** 429 MSCS (Mathematics, Statistics, and Computer Science)

**Phone:** 744-5792 (my office), 744-5688 (Mathematics Department office, for leaving messages)

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**Office Hours:** MWF 2:30-3:20 PM, or by appointment.

### Course Websites:

**Online Classroom (Desire to Learn, “D2L”):** <https://oc.okstate.edu> After logging on to D2L go to the homepage for this course. It will contain announcements and direct you to other course material such as the course schedule, exam solutions, your current scores, and your current estimated grade. It will also have links to the following.

**OSU Syllabus Attachment:** <http://academicaffairs.okstate.edu/content/resources-faculty-staff>. It is also available on the course D2L site under Content. This contains further information on such things as drop dates, incomplete grades, special accommodations for students with disabilities, academic integrity, and general university policies.

**Homework Login:** <https://www.webassign.net/login.html> This is where the online part of the homework will be assigned, submitted, and graded using the WebAssign system.

**WebAssign Information:** [webassign.com/students](http://webassign.com/students) This contains instructions on how to enroll in WebAssign for this course. You will need the *Class Key* for this section, which is okstate 7773 5474. It also contains a link to the WebAssign support center.

**Text:** *Calculus, Second Edition*, by Jon Rogawski. It covers Calculus I, II, and III. New versions should have a Web Assign Access Code packaged with them. If you took Calculus I or II here from this book you may have a mult-semester Access Code which is still valid. Used versions may be missing the Access Code; in this case you would need to buy an Access Code separately, either from the bookstore or online from WebAssign. Be sure to ask bookstore personnel whether or not the particular book you are buying contains the Access Code. **During the first two weeks of classes you do not have to enter an access code.** We will cover approximately the following sections: 12.1-12.5, 11.5, 12.6-12.7, 13.1-13.3, 13.5, 14.1-14.8, 15.1-15.6, 16.1-16.3, 17.1. It is possible that this list may be shortened or lengthened depending on the pace of the course.

**Grading:** Your grade will be based on three regular exams, a final exam, and homework. The regular exams will be graded on 100 point scales. The final exam will be graded on a 200 point scale, then converted to a percentage.

The homework will be of two sorts: webassign problems to be done online and written homework to be turned in during class. At the end of the semester each of these two homework sources will have its own maximum possible number of points. A certain “perfect score” will then be selected for each of these which may be lower than the actual maximum possible numbers. You will then receive the corresponding percentages of these two scores (but not more than 100%). For example, if WebAssign had 600 possible points, and the “perfect score” were 480, and you made 360, then your WebAssign percentage would be 75% rather than 60%. The written homework will have a similar computation with its own “perfect score.” So the homework will give two percentages. These will be combined into a single homework percentage using a weighting to be determined.

A total course percentage will be computed using each of the following schemes. You will receive the higher of the two percentages.

Scheme 1	
3 hour exams	15% each
Final exam	25%
Homework	30%

Scheme 2	
3 hour exams	10% each
Final exam	40%
Homework	30%

A total course percentage of 90% will ensure an A. 80% will insure at least a B, 70% at least a C, and 60% at least a D.

**Homework:** Online homework will be assigned, submitted, and graded using the online system *WebAssign*. Written homework problems will be handed out in class.

**Getting Started:** First read through the self-enrollment information at the WebAssign Information website listed above. Follow the instructions on that page to enroll in WebAssign for this course. You will need the *Class Key* [okstate 7773 5474]. Please note that if you already have a WebAssign account at OSU you should **not** create a new one.

There is also an *Access Code* which verifies that you have paid for access to WebAssign. This code either came packaged with your textbook or can be purchased from the bookstore or from WebAssign.

**Since there is some dropping and adding and section changing during the first two weeks of class you do not have to enter your Access Code until the end of this period.** After that you will be locked out of the system until you enter it.

**Graphing Calculators:** On some problems a graphing calculator may be necessary. Graphing calculators can be checked out for the semester from the Mathematics Department Office, 401 MSCS. Checkout will have regular hours Mon. through Fri. 8:00-5:00. (Call ahead for possible office closures 405-744-5688.) Supplies are limited. Be sure to bring your Student ID. **All calculators must be returned by the given deadline; otherwise non-refundable fees up to the price of the calculator will be charged to your bursar account.**

**Makeup Policy:** Except for those adding the course late **there are no makeups for missed homework.**

#### Exams:

**Partial Credit:** On exams the amount of partial credit will depend primarily on how much of a problem you do correctly. You must carefully follow the instructions and must in general write down all of the steps involved in getting your final answer, not just the final answer by itself, in order to ensure credit. **If you make a mistake in a step of a problem, do not expect credit on future steps which depend on that mistake. In particular expect no credit if you copy down the problem incorrectly.**

**Rules:** All exams, including the final, are closed book and closed notes. You may use a calculator no more powerful than a TI-89. In particular calculators with QWERTY keyboards will not be allowed. The use of computers, tablets, phones, personal music players, or other electronic devices will not be permitted during exams.

**Makeup Policy:** Makeups for exams will be given only for serious and unavoidable reasons. You should try if at all possible to contact me before the regularly scheduled exam time. These makeup exams may be somewhat harder than the original exams.

**MLSC:** Tutoring for this course will be available at the Mathematics Learning Success Center (on the fifth floor of Edmon Low Library). For information on Calculus III tutoring hours see [www.math.okstate.edu/mlsc](http://www.math.okstate.edu/mlsc) or call 744-5818.

**Academic Honesty:** Do not cheat. Do not copy off of other students, allow other students to copy your work, or present work you find in printed or electronic sources as your own. You may get help on homework from other people or sources but should write your solutions independently, without looking at anything someone else has produced. For questions, contact the Office of Academic Affairs, 101 Whitehurst, 744-5627, <http://academicintegrity.okstate.edu>.

#### Advice:

- Don't try to do the homework sitting in front of the computer. Print out the assignment, go away from the computer, and work on it with pencil and paper. Return to the computer only when you are ready to input your answers.
- Start on the homework in a given section as soon as possible after the material is covered in class. WebAssign allows you to save your answers to problems without submitting them for grading. You can submit answers to individual problems without submitting the entire assignment. Most problems allow you several attempts to get the problem right. This way you can make steady progress each day instead of going through the agony of trying to do the whole assignment the night before it is due.
- The way to learn mathematics is to **do** mathematics. It is a skill which is acquired through practice. The point of the homework is to provide that practice. There are computer programs and some advanced calculators that can do various calculus problems, but a person who relies on these (or another person) to do the homework is not getting the practice needed to learn calculus. And a person who has not learned calculus will not do well on the exams.
- Make use of the help available to you, in particular the MLSC and my office hours. If you have a time conflict with my regular office hours talk to me or email me so that we can arrange a mutually convenient time.