Syllabus
Spring 2012
Math 2153, Section 701
Calculus II
MS 445, MWF 8:30

Instructor: Dr. Marvin Keener
     Office: MS 530
     Office Hours: MWF 7:45 -- 8:15 and 9:30 – 10:30 by appointment
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Course Objectives: This is the second course in the basic Calculus sequence for engineering and science students. The course begins with an extensive discussion of techniques of integration. This is followed by an in-depth discussion of series and the applications to the representation of functions by power series. The course concludes with a study of curves defined by parametric equations and curves defined in a new coordinate system called polar coordinates as time permits.

Prerequisites: This course requires a good, solid knowledge of Calculus I, particularly differentiation and integration techniques and their applications. If you have any questions about your background or preparation, please make an appointment with me as soon as possible.

Textbook: <u>Calculus – Early Transcendentals</u>, Custom Edition for OSU
     Author: James Stewart
     Publisher: Cengage
The homework for this class will be given through WebAssign. The Class Key is
<div align="center">okstate 6105 4129</div>
You will also need to purchase an Access Code. There are a variety of ways to buy the code, including the OSU Bookstore. If you took Calculus I at OSU, you may have already purchased the Access Code for all three semesters. However you may also have only purchased one for Calculus I. So you need to check this out as soon as possible. Homework is already assigned there. Also this is where you can check your grade progress any time you wish.

MLRC: Mathematics Learning Resource Center   744 - 5818
     Location: Fourth Floor of the Classroom Building
     Learning Aids/Services: Tutoring, computers with mathematics software

Website: oc.okstate.edu

I have put a number of documents on this site for your use. There is course information (including this document if you misplace this copy). There are notes on many of the lectures. Included in these notes are examples written out in detail the way I expect you to write answers on the examinations. It is to your advantage to download and bring the appropriate notes to class to help you follow the lectures.

To access the website follow these directions.

- Go to oc.state.edu
- Enter you username and password – these are the university email username and password.
- Click on "login" – you are now on the homepage
- Under the category My Oklahoma State University Courses our course is listed as Math 2153 701
- Click on our course to go to the course homepage.

Examinations: There will be three examinations given in class each with a maximum possible score of 100 points and a final examination worth 200 points. The Final Examination will be at **8:00 am on Monday, April 30, 2012**. The examinations will be announced approximately one week before they are given. I will also post the dates on the web page in D2L. There is also a Homework Score and a Quiz Score that will be used as part of your course grade.

Homework/Quizzes: Homework Assignments are given via WebAssign. It is imperative that you do the homework in a timely manner. To that end each assignment in WebAssign has a due date. The homework is electronically graded and recorded for calculating your Homework Score. Your Homework Score is calculated as follows:

(Total # of points you get in WeAssign)/(Total possible points) times 150

The maximum Homework Score is 150

In addition there will be quizzes based on the homework problems. You will need to get a notebook to keep all your homework problems worked out. A quiz will consist of you copying (in detail) two, three or four problems out of your notebook. On a quiz day I will tell you which problems are to be handed in and give you 5 – 10 minutes to copy work. So you need to bring some extra paper to class that day. Your Quiz Score is calculated as your Homework Score is except the maximum Quiz Score is 50.

Class Attendance: Class attendance is essential to your success in the course. There is a high correlation between poor attendance and low grades. You are expected to attend class on a regular basis and participate in class discussion.

Grading: The three examinations and the final examination provide a total of 500 points. The Homework Score and Quiz Score account for an additional 200 points. Your grade is based on the percentage of your individual scores on the examinations, final, Homework and Quiz Scores out of 700 points. Your course grade is as indicated by: A (90% or above), B (80% -- 89%), C (70% -- 79%), D (60% --69%), and F (below 60%). I reserve the right to increase the grade for those students whose scores are close to a higher grade and who have consistently demonstrated throughout the semester a dedicated effort to

participate in and out of class in order to learn the material. Any other grade, such as 'W' or 'I', are special grades and are awarded only under specific circumstances as indicated in the catalogue.

Dropping the course or Withdrawing (W): Dropping the course means canceling your enrollment in a specific course. Withdrawing means cancellation of enrollment in *all courses* and leaving the University for the balance of the semester. It is your responsibility to know and abide by all the rules, regulations and deadlines pertaining to the appropriate policy. If you consider either of these actions, discuss the process and consequences with your academic advisor prior to making your decision. There can be serious consequences that may affect your financial aid, graduation status, etc. The last day to drop this course or to withdraw from the University with an automatic grade of 'W' is Friday, April 6, 2012.

Incomplete Grade (I): The grade of 'I' is given to students who *satisfactorily* complete the majority of the course and whose work averages 'D' or better, but who are *unavoidably* prevented from completing the remaining course work. The conditions, including appropriate time limits for the removal of the 'I', are indicated on the official class roll by the instructor. A condition that the student must repeat the course is not permitted. The maximum time allowed to remove an 'I' is one calendar year.

Academic Dishonesty/Misconduct: The University has explicit rules governing academic dishonesty and academic misconduct. The policies are detailed in the document "Students Rights and Responsibilities Governing Student Behavior". Copies are available in dean's offices and the Office of the Provost and Senior Vice President (101 Whitehurst Hall). The University policies will be followed in this course.

Working with another person or in a study group on problems can be helpful in learning mathematics. I encourage you to work with others if you find it helpful. However, all written work (including Homework/Quiz) submitted for a grade must be your own. Copying someone else's problem solution or showing your solution to someone else in order to possibly improve the score of another person is prohibited.

Special Accommodations for Students: All students should have a reasonable chance to succeed in this course. Therefore, if any member of this class feels that s/he has a disability and needs special accommodations, I will work with you and the Office of Disabled Students Services (326 Student Union) to provide reasonable accommodations to ensure that you have a fair opportunity to perform in the class. However, it is the student's responsibility to inform me of the disability as soon as possible after the beginning of the semester and to work with the Office of Disabled Student Services to provide all appropriate documentation of the disability.

Study Hints: Go to every class meeting and get help when you need it! Don't be afraid to ask questions, in class or out of class. If my office hours are not good for you, make an appointment. The MLRC is available for tutoring and I am anxious to help you. But only you will know when you need it. I will likely not know you need help until after an examination or quiz, which may be too late.

Do the homework properly! As soon as possible after class, get the problems from WebAssign. Review your notes paying particular attention to the definitions, theorems and notation discussed that day. Review the methods used in the examples done in class. Then do the homework problems in a similar manner. Concentrate on what you are doing rather than being distracted by the radio, TV, or conversation with friends. On average you should expect to spend a minimum of two or three hours on homework for every class period. However you should not be discouraged if it takes you longer to complete the homework assignments. The main objective is to have a good understanding of each day's lesson.

After you have worked each problem out for that day, enter your answers in WebAssign. If you have missed a problem, rework the problem. If you still have the wrong answer, come see me or go to the MLRC for help. In addition, extra time will be needed to study and review for examinations.

Be neat in writing your homework! Practice using the proper notation. It will cut down on careless errors such as miscopying one line from another and make it easier to review for the examinations. Practice in writing neatly will also come in handy in taking the examinations.

Have patience with yourself! The techniques studied in this course are among the most useful tools used by engineers and scientists. Progress takes time, but it comes most readily to those with the persistence to keep trying with the belief that, with enough effort, they can succeed. Learning mathematics always proceeds one step at a time. So it is essential to stay current in your homework and class attendance. Remember -- across this country this semester, thousands of students are going to succeed in their calculus course. You can too!