

Fall 2014 Math 137-012 Honors Calculus II 4 credit hours.

Time: MWF 11:30 – 12:25, TTH 11:10 – 12:05 COHH 2117

Instructor: Dr. Spraker

Office: COHH 3110

Office Hours

MW 12:25-1:30, 2:45-4:00 Others by appointment or capture.

T 12:00-3:00

F 12:25-1:30

john.spraker@wku.edu

<http://people.wku.edu/john.spraker/home.html>

1-270-745-6220 -- Office

1-270-782-6018 - Home

Welcome to Honors Calculus II! This is the second course in the fundamental sequence for the math major. It is a continuation of Math 136. Calculus is needed in many scientific and business fields. We will also study a few numerical applications in this course. The best way to succeed here is to keep up! Do the homework every night and make use of my office hours and those of the recitation instructor. I am always glad to see you. If I did not like talking to students, I would not have chosen teaching as a profession. Office hours are your time rather than mine. If my office hours conflict with your classes, we can occasionally make appointments. Also feel free to call or email me.

Online homework will be assigned daily. We will be using WebAssign. You will need to self-enroll in WebAssign. The class key is wku 9566 5137. Additional information about this can be found below. You will also probably have a few computer assignments and you will have some special honors problems assigned. These will be more challenging than the usual homework problems.

During recitation except on exam days you will have a chance to ask questions and see homework problems worked. This should be helpful to you since there may not be enough time to answer all of your questions during the MWF lecture sessions. Don't hesitate to ask questions at any time, however. If I am notified ahead of time, I can arrange for a student to take an exam

early but seldom late. Always call me if you know that you will be absent. Attendance is your responsibility and you cannot succeed in a fast-paced course like this one if you miss class.

The prerequisite for the course is a grade of C or better in math 136. That is a departmental requirement and I cannot waive it. You will also need a graphing calculator. I will be using the TI 84 plus in the classroom. We may also use the computer lab for a few days.

There will be four exams and a comprehensive final. The dates are below.

Exam I Thursday, Sept. 11

Exam II Thursday, Oct. 9

Exam III Thursday, Oct. 30

Exam IV Thursday, Nov. 20

Final Thursday, December 11 10:30 - 12:30

Your grade will be determined as follows: Exams 60%, Homework 20%, Final Exam 20%.

Syllabus

Calculus of a Single Variable Early Transcendental Functions, 6th Edition
W/Webassign, Larson, Edwards. ISBN 9871111189495 Class Key: wku 9566 5137

Math 137 requires at least 4 assignments that utilize technology such as *Mathematica™*.

Chapter 5: Integration (Sections 5.8-5.9)	2 days
Chapter 7: Applications of Integration (Sections 7.1-7.7)	7 days
Chapter 8: Integration Techniques, L'Hopital's Rule, and Improper Integrals (Use <i>Mathematica™</i> for Section 8.6)	8 days
Chapter 9: Infinite Series	11 days
Chapter 10: Conics, Parametric Equations, Polar Coordinates	6 days
Technology:	2 days
Tests:	3-4 days

Total:

39–40 days



Student Registration Instructions

Course Name: Honors Calculus II – Math 137 -012

Start Date: August 25, 2014

Instructor Name: Professor Spraker

Class Key: **wku 9566 5137**

Enrolling Yourself in a Class Using a Class Key

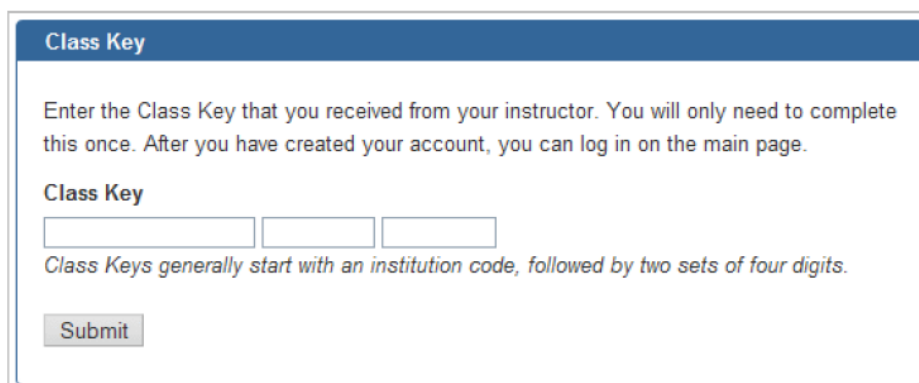
If your instructor gives you a WebAssign class key, you can enroll yourself in the WebAssign class roster. If you do not already have a WebAssign account, you can create one after verifying the class key.



Important: An access code is not the same as a class key. You need a class key to enroll. You might need to pay student fees later with your access code.

To self-enroll for a class:

1. Go to the WebAssign login page (www.webassign.net), and click **I have a Class Key**.



The screenshot shows a web form titled "Class Key". It contains the following text: "Enter the Class Key that you received from your instructor. You will only need to complete this once. After you have created your account, you can log in on the main page." Below this is a label "Class Key" followed by three input fields. A note below the fields states: "Class Keys generally start with an institution code, followed by two sets of four digits." At the bottom left of the form is a "Submit" button.

2. Enter the Class Key your instructor gave you, and click **Submit**.

3. On the verification page, check the class information and determine whether or not the correct class and section is displayed.
 - If the correct class and section is listed, click **Yes, this is my class** and go to step 4.
4. If you have an existing WebAssign account, select **I already have a WebAssign account**, type the **Username**, **Institution**, and **Password** for your account, and click **Continue**. You are enrolled in the class and logged in to WebAssign using your existing account.
5. If you do not have an existing WebAssign account, you can create one now.
 - a. Select **I need to create a WebAssign account**, and then click **Continue**.

Log In Information

Required fields are marked with an asterisk (*).

Preferred Username *
Your username may contain letters, numbers, and the following characters: underscore (_), hyphen (-), period (.)

Institution Code **webassign**

Choose a Password *

Re-Enter Password *
Passwords are case-sensitive.

Student Information

Required fields are marked with an asterisk (*).

First Name *


Last Name *

Email Address *

Student ID Number

- b. Type the username that you would like to use for your WebAssign account in the **Preferred Username** field, and click **Check Availability** to see if the username that you want is available. Usernames are not case-sensitive, so BobSmith, bobSmith, and bobsmith are all the same username.
- c. After confirming the availability of your new username, type a password in both the **Password** and **Re-Enter Password** fields. Passwords are case-sensitive, so IAmCa3sar is not the same as iamca3sar.
- d. Enter your **First Name**, **Last name**, and **Email Address**, and optionally your **Student ID Number**.
- e. Click **Create My Account**.

WebAssign confirms that your account has been created. You can click **Log in now** to log in to the new user account and go to your home page. Remember your username and password, because you will need them each time you log in.

 **Tip:** If you forget your password, you can click the **Reset Password** link on the login page. If you forget your username, your instructor can look up your username for you.