

Fall 2016 Math 136-013 Honors Calculus I MWF 1:50 – 2:45 TR 2:45-3:40 COHH 2117 4 hours credit

Dr. Spraker – Office COHH 3110 – Home 782-6018 – Office 745-6220

Webpage – people.wku.edu/john.spraker/home.html

Email – John.spraker@wku.edu

Office hours:

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

TTH 2:05-3:00

F 12:25-1:30

Drop Date: Oct. 12

Prerequisites: Four years of high school mathematics, including Algebra II, geometry and trigonometry, and satisfactory score on the Math Placement Exam; or MATH 117 or MATH 118, with grade of C or better. A graphics calculator is required. I will be using the TI-84 for demonstration purposes in class.

Welcome to calculus! I hope that you are as excited about this course as I am. Calculus provides basic preparation for numerous fields in science and business. It is incredibly applicable.

There will be four tests and a comprehensive final. Online homework will be assigned regularly. We will be using WebAssign for homework. You will need to self-enroll in Webassign. The class key is wku 9419 3590. Additional information about this can be found below. In addition you will be given a number of special honors homework assignments during the year. They will be more challenging than the typical homework problems.

Learning Outcomes: MATH 136: Calculus I meets five learning objectives as part of the Colonnade Plan requirement for Quantitative Reasoning. Students will demonstrate the ability to:

1. Interpret information presented in mathematical and/or statistical forms.
2. Illustrate and communicate mathematical and/or statistical information symbolically, visually and/or numerically.
3. Determine when computations are needed and execute the appropriate computations.
4. Apply an appropriate model to the problem to be solved.
5. Make inferences, evaluate assumptions, and assess limitations in estimation modeling and/or statistical analysis.

• The Learning Center (TLC) Should you require academic assistance with your WKU courses, The Learning Center (located in the Downing Student Union, 2141) provides free supplemental education programs for all currently enrolled WKU students. The Learning Center at Downing Student Union offers certified, one-on-one tutoring in over 200 subjects and eight academic skill areas by appointment or walk in. Online tutoring is offered to distance learners. TLC is also a quiet study area (with side rooms designated for peer-to-peer tutoring) and a computer lab to complete academic coursework. Please call TLC in the Downing Student Union at (270) 745-5065 for more information or to schedule a tutoring appointment. www.wku.edu/tlc

. Libraries:

1. WKU Libraries has subject specialist faculty members who work with every department and program on campus.
2. Students can make an appointment with the subject specialist faculty librarian any time they have a paper or project.
3. As your own personal librarian, the subject specialist library faculty member sit down with students and helps them get started with their research, makes sure the students know how to use the online resources, etc.

. Students with disabilities: In compliance with university policy, students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Student Accessibility Resource Center (SARC) in Downing Student Union 1074. The SARC telephone number is (270) 745-5004; TTY is (270) 745-3030. Per university policy, please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the SARC.

Your grade will be determined as follows:

Homework	20%
Test (4)	60%
Final	20%

Keep up! Do your homework and please make use of my office hours. That time is yours not mine! If I did not enjoy talking to students, I would not teach. Any test with the exception of the final may be taken early if I am contacted in time.

Exam I	Thursday, Sept. 8
Exam II	Thursday, Sept. 29
Exam III	Thursday, Oct.27
Exam IV	Thursday Nov. 17
Final	Friday, Dec. 9 10:30 – 12:30

Departmental Syllabus
Math 136

Calculus of a Single Variable Early Transcendental Functions W/Enhanced Webassign 6e

Larson, Edwards. Brooks/Cole Cengage Learning

Math 136	Days
Chapter 1: Preparation for Calculus	2
Chapter 2: Limits and Their Properties	5
Chapter 3: Differentiation	9-10
Chapter 4: Application of Differentiation	8
Chapter 5: Integration (Sections 5.1-5.7)	7
Chapter 6: Differential Equations (Sections 6.1-6.3)	3
Chapter 7: Applications of Integration (Sections 7.1) (Optional)	
Tests:	3-4
Total:	37-39

WebAssign. ONLINE HOMEWORK AND GRADING

Student Registration Instructions

Course Name: **Honors Calculus I – Math 136 - 013**

Start Date: **August 25, 2014**

Instructor Name: **Professor Spraker**

Class Key: **wku 9419 3590**

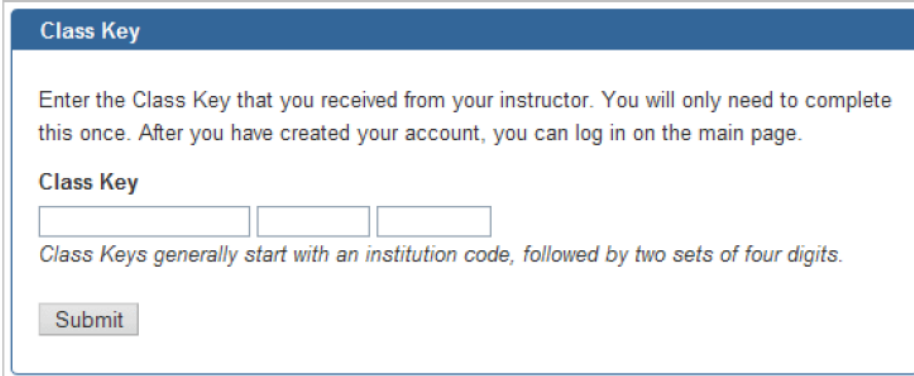
Enrolling Yourself in a Class Using a Class Key

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". The form 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 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	*	<input type="text" value="sarahjones"/>	<input type="button" value="Check Availability"/>
<i>Your username may contain letters, numbers, and the following characters: underscore (_), hyphen (-), period (.)</i>			
Institution Code		<input type="text" value="webassign"/>	
Choose a Password	*	<input type="password" value="••••••••"/>	
Re-Enter Password	*	<input type="password" value="••••••••"/>	
<i>Passwords are case-sensitive.</i>			


Student Information

Required fields are marked with an asterisk (*).

First Name	*	<input type="text" value="Sarah"/>
Last Name	*	<input type="text" value="Jones"/>
Email Address	*	<input type="text" value="sarahjones@webassign.edu"/>
Student ID Number		<input type="text" value="1234567"/>

- 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.