



# Houston Community College

## Course Syllabus

---

### Calculus II

#### SYLLABUS FOR MATH 2414

**INSTRUCTOR**            *Fatemeh Salehibakhsh*

**E-MAIL**                *f.salehibakhsh@hccs.edu*

**Office Hours**        *F*                    *11:00 - 2:00 (by appointment)*

**Location**             *H. C. C. West Loop Campus*

**Textbook:**

Calculus, 9th Edition Ron Larson Bruce H. Edwards

ISBN-10: 0547167024

The textbook has an optional student supplement that contains worked out odd numbered

**Catalog Description:** Calculus I. An integrated study of differential calculus with analytic geometry including the study of functions, limits, continuity, differentiation, and an introduction to integration. Prerequisite: MATH 2412 or consent of the Department Head. 4 credit (4 lecture).

**Prerequisites:** Math 2413: Pass with a “C” or better, or consent of the Department Head.

**Course Intent:** This course provides the background in mathematics for sciences or further study in mathematics and its applications.

**Audience:** This course is a freshman level mathematics course which requires a background consisting of Math 2413.

**Course Objectives and Student Learning Outcomes:**

Student Learning Outcomes	Course Objectives
1. Compute derivatives and antiderivatives of transcendental functions.	1.1 Define and use transcendental functions including logarithmic and exponential functions. 1.2 Compute derivatives and antiderivatives involving transcendental functions.
2. Identify and apply the appropriate integration technique, and apply them to set up and solve various applications.	2.1 Apply integration to various applications. 2.2 Show various integration techniques
3. Demonstrate the correct use of L'Hopital's rule and various techniques for solving improper integrals.	3.1 Show correct usage of L'Hopital's rule. 3.2 Describe and solve improper integrals.
4. Recognize and use infinite series with attention to the application of the Taylor series.	4.1 Recognize and use infinite series. 4.2 Recognize and apply Taylor series to various problems
5. Demonstrate knowledge of plane curves and polar coordinates.	5.1 Demonstrate knowledge of plane curves and polar coordinates.

**Assessment/Make-up and Grading**

There are assigned homework problems after every section. It is crucial for you to succeed in this class that you do faithfully your homework every week. There will be quizzes from your home work. The homework grade will not be dropped.

There will be 3 major Tests, quizzes, and final exam. One of the lowest grades in your major test will be drop.

3 Major Tests;	60%
Quizzes and Homework	20%
Final Exam	20%

**There will be no make up, since I will drop the lowest grade.**

**Grading policy:**

Your final course grade is based on the following standard HCCS scale.

Final Average	$90 \leq \text{Avg} \leq 100$	$80 \leq \text{Avg} < 90$	$70 \leq \text{Avg} < 80$	$60 \leq \text{Avg} < 70$	$\text{Avg} < 60$
Final Course Grade	A	B	C	D	F

**Student conduct:**

Students should not engage in disruptive activities while in the classroom. Any conduct that is deemed detrimental to the academic atmosphere, such as cell phone use or consistently talking during instructional delivery, will not be tolerated. Any student found guilty of such conduct will be asked to leave the classroom until further notice.

**Academic dishonesty:**

All students are required to exercise academic honesty in completion of all tests and assignments. Penalties for academic dishonesty (cheating on a test, collusion on an assignment, etc.) include, but are not limited to, a reduced grade, a “0” on that test or assignment, a “W” in the course, or an “F” in the course. The use of recording devices, including camera phones and tape recorders, is prohibited in all locations where instruction, tutoring, or testing occurs. Students with disabilities who need to use a recording device as a reasonable accommodation should contact the Disability Services Office for information.

**Students with Disabilities:**

Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Support Services Office at this college at the beginning of the semester. To make an appointment, please call 713-718-7910. Professors are authorized to provide only the accommodations requested by the Disability Support Office.

### **HCC Course Withdrawal Policy**

If you feel that you cannot complete this course, you will need to withdraw from the course prior to the final date of withdrawal, which is given in the college calendar. Before, you withdraw from your course; please take the time to meet with the instructor to discuss why you feel it is necessary to do so. The instructor may be able to provide you with suggestions that would enable you to complete the course. Your success is very important. Beginning in fall 2007, the Texas Legislature passed a law limiting first time entering freshmen to no more than **SIX** total course withdrawals **throughout** their educational career in obtaining a certificate and/or degree.

To help students avoid having to drop/withdraw from any class, HCC has instituted an Early Alert process by which your professor *may* “alert” you and HCC counselors that you might fail a class because of excessive absences and/or poor academic performance. It is your responsibility to visit with your professor or a counselor to learn about what, if any, HCC interventions might be available to assist you – online tutoring, child care, financial aid, job placement, etc. – to stay in class and improve your academic performance.

If you plan on withdrawing from your class, you **MUST** contact a HCC counselor or your professor prior to withdrawing (dropping) the class for approval and this must be done **PRIOR** to the withdrawal deadline to receive a “W” on your transcript. \*\*Final withdrawal deadlines vary each semester and/or depending on class length, please visit the online registration calendars, HCC schedule of classes and catalog, any HCC Registration Office, or any HCC counselor to determine class withdrawal deadlines. **Remember to allow a 24-hour response time when communicating via email and/or telephone with a professor and/or counselor. Do not submit a request to discuss withdrawal options less than a day before the deadline.** If you do not withdraw before the deadline, you will receive the grade that you are making in the class as your final grade.

### **Repeat Course Fee**

The State of Texas encourages students to complete college without having to repeat failed classes. To increase student success, students who repeat the same course more than twice, are required to pay extra tuition. The purpose of this extra tuition fee is to encourage students to pass their courses and to graduate. Effective fall 2006, HCC charges a higher tuition rate to students registering the third or subsequent time for a course. If you are considering course withdrawal because you are not earning passing grades, confer with your instructor/counselor as early as possible about your study habits, reading and writing homework, test taking skills, attendance, course participation, and opportunities for tutoring or other assistance that might be available.

### **Classroom Behavior**

It is our shared responsibility to develop and maintain a positive learning environment for everyone. As your instructor, I take this responsibility very seriously and will inform members of the class if their behavior makes it difficult for him/her to carry out this task. As a fellow learner, you are to respect the learning needs of your classmates and assist your instructor achieve this critical goal.

### **Use of Camera and/or Recording Devices**

As a student active in the learning community of this course, it is your responsibility to be respectful of the learning atmosphere in your classroom. To show respect of your fellow students and instructor, you will turn off your phone and other electronic devices, and will not use these devices in the classroom unless you receive permission from the instructor.

Use of recording devices, including camera phones and tape recorders, is prohibited in classrooms, laboratories, faculty offices, and other locations where instruction, tutoring, or testing occurs. Students with disabilities who need to use a recording device as a reasonable accommodation should contact the Office for Students with Disabilities for information regarding reasonable accommodations

**Course Outline: Math 2414/ Fall 13**

Aug 25 sec 5.1  
Aug 27 Sec 5.2, 5.3

**Sep 1 Labor Day Holiday**

Sep 3 Sec 5.4  
Sep 8 Sec 5.6, 5.7  
Sep 10 Sec 5.8

**Sep 15 Test # I, chapter 5**

Sep 17 Sec 7.1,7.2  
Sep 22 Sec 7.3  
Sep 24 Sec 7.4, 7.5  
Sep 29 Sec 7.6  
Oct 1 Sec 7.7, 8.1  
Oct 6 Sec 8.2

**Oct 8 Test # II**

Oct 13 Sec 8.3, 8.4  
Oct 15 Sec 8.5  
Oct 20 Sec 8.6, 8.7  
Oct 22 Sec 8.8  
Oct 27 Sec 9.1, 9.2  
Oct 29 Sec 9.3

**Oct 31 last day for administrative/students withdrawn**

Nov 3 9.4, 9.5

**Nov 5 Test # III**

Nov 10 9.6, 9.7  
Nov 12 9.8, 9.9  
Nov 17 9.10, 10.2

Nov 19 10.3, 10.4  
Nov 24 10.5, 10.6

**Nov 27 – 30 Thanks Giving Holiday**

**Dec 1 Test # IV**

Dec 3 Final exam review

**Dec 8; Comprehensive Final Exam 11:00AM – 1:00PM**

Course Name: Math 2414-Calculus II-Fall 2014

Start Date: 8/25/14

Instructor Name: Salehibakhsh

Class Key Code: hccs63452404

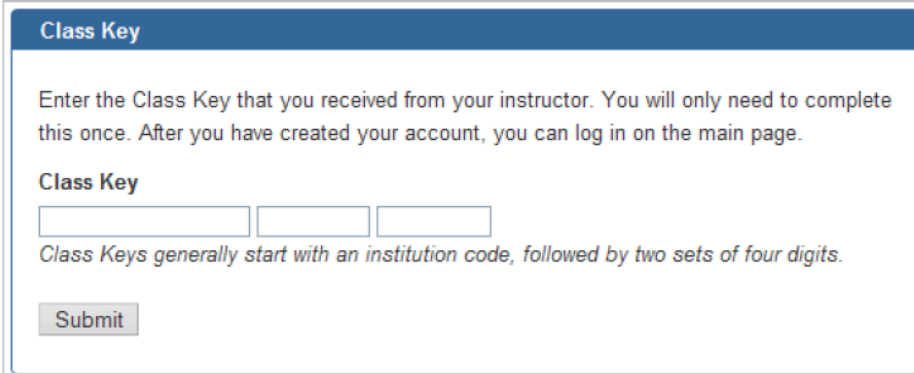
## Enrolling Yourself in a Class Using a Class Key

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](http://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 \* sarahjones   
Your username may contain letters, numbers, and the following characters: underscore (\_), hyphen (-), period (.)

Institution Code webassign

Choose a Password \* [password field]

Re-Enter Password \* [password field]  
Passwords are case-sensitive.

---

**Student Information**

Required fields are marked with an asterisk (\*).

First Name \* Sarah


Last Name \* Jones

Email Address \* sarahjones@webassign.edu

Student ID Number 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.

