



College of Southern Nevada, Spring 2025
Math 181 – Calculus I
Section 3003 T, W, R 2:00pm – 3:10pm in K-161

INSTRUCTOR CONTACT INFORMATION

Instructor: Eric Hutchinson

Office: West Charleston H101C

Office Phone: (702)-651-7512

Sort Code: WCH101

Email Address: eric.hutchinson@csn.edu

Office Hours: Mondays – Thursdays: 12:45p – 2:00p or online by appointment

NOTE: The best way to contact me is through my CANVAS email. You can also contact me through my CSN email: eric.hutchinson@csn.edu. NOTE: I will be sending all course announcements through CANVAS. You can choose an email address to have your CANVAS announcements forwarded to, so make sure this is an address you regularly check and is active.

Response time to student questions: I will reply to your email questions within 24 hours on most days, including weekends.

COURSE INFORMATION

Website: <http://www.hutchmath.com> This web site contains PDF copies of the syllabus, schedule, test review problems, notes, and videos. From the web site, click on MATH 181. No password is needed. Note: you can also access my homepage by opening a web browser and enter “Eric Hutchinson” and CSN in the search box. To find out more about your instructor, you can click on MY BIO. There is also a link to the tutoring center on the main web site. NOTE: We will NOT be using Canvas in this course other than for communication.

Textbook: We will be using an open-source textbook for our course. It is Calculus I, by Gilbert Strang (a customized version by Eric Hutchinson). This book is free so there is nothing you need to purchase from the bookstore. You can download the book for free from within the MyOpenMath Learning Management System.

Software: We will be using MyOpenMath (www.myopenmath.com). This is a free online learning management system in which you will do all your homework. This site will also contain your gradebook. (See registration instructions at the end of the syllabus). Also contained in MyOpenMath is the lecture notes, textbook link, and test review materials.

Calculator: This course requires a scientific calculator. A recommended scientific calculator is the TI-30XS Multiview. It has math print mode, so it displays exact answers in radical or fraction form. If you already have a graphing calculator then you may use during the exams.

Course Description: Differentiation and integration of algebraic and transcendental functions with applications.

Learning Outcomes:

- 1) Analyze the concept of function limits and continuity.
- 2) Differentiate functions using fundamental rules.
- 3) Perform differentiation techniques such as the general power rule, chain rule, product rule and quotient rule.
- 4) Evaluate definite and indefinite integrals.
- 5) Differentiate and integrate transcendental functions.
- 6.) Apply and extend all concepts.

Prerequisite: MATH 126 and MATH 127 or MATH 128 all with a grade of C or better; or a satisfactory SAT/ACT/Placement Test Score

GRADING

Grading Policy: Your grade will be determined by the percent you earn from online homework assignments, tests, and the final exam. (See more detailed descriptions below.)

Grade Distribution:

- Precalculus Review Quiz – 5% of your overall grade
- Online Homework Assignments – 20% of your overall grade
- Exams – 50% of your overall grade
- Final Exam– 25% of your overall grade

Grading Scale: I assign overall grades according to the below scale. Overall grades are given with teacher discretion, and overall percentages are rounded to the nearest tenth.

A 92% or above	C+ 78 – 79.9%
A- 90 – 91.9%	C 70 – 77.9%
B+ 88 – 89.9%	D+ 68 – 69.9%
B 82 – 87.9%	D 60 – 67.9%
B- 80 – 81.9%	F less than 60%

Additional Note Concerning Audit and Withdraw Grades: If you stop attending class or quit completing the required work, you will NOT be assigned an automatic “W” or “Withdraw” grade; you will receive a grade based on your percentage shown above on the grading scale. If you wish to be withdrawn from this course, it is your responsibility to officially drop the course by the drop date listed in the college catalog/schedule of classes, which for this semester is March 28th (last day to audit is also March 28th). The instructor CANNOT assign a “W” or “AU” as a final grade under any circumstances.

CLASS POLICIES

Bathroom Break During Exams: Only one person at a time is allowed to go to the bathroom during the exam. Before you go to the bathroom, you must put your cellphone on the desk in front of the classroom.

Standard of work: To receive credit for your work, it is important to not only provide the correct answer, but also to show the correct steps and reasoning behind your solution. If your work is difficult to read or understand, or if it is missing important details or is presented in an unclear or inconsistent manner, you may lose credit, even if your final answer is correct. It is important to present your work in a logical and understandable way and to ensure that it is consistent with your final answer.

Makeup Policies / Extensions:

- You are allowed up to 7 individual homework section extensions this semester. Please email me if you request a homework extension.
- There will be no extensions or makeups for the Prerequisite Review Quiz.
- You are **not** allowed to retake any exam.
- Makeup exams will be given if an exam is missed for a documented valid reason. Valid reasons include illness or medical procedure, accident, family emergency, mandatory work trainings, death in the family, and active participation in scholarly or athletic events. Invalid excuses include technical difficulties, needing more time to study, or other tests during the same week. If an exam is missed for a legitimate reason, an attempt *must* be made to contact me by the day of the exam (preferably before the exam is given) to let me know of your difficulty and provide necessary documentation. If you must miss an exam due to a prearranged conflict (such as work conflicts), let me know about it so that we can arrange an alternate exam date. Any makeup exams must be taken before the next class meets. Once the tests are passed back, no makeups will be allowed.

Attendance Policy: Attendance will be taken during the first week of class, as per the new Course Registration and Withdrawal Policy (policy details given later in this syllabus). Daily attendance is important in that every student is responsible for knowing what goes on in the class; that is, for taking lectures notes, and for knowing of any announcements. Sometimes additional problems are covered in class outside of the lecture notes, depending on student questions. If you miss a class, lecture notes and videos can be obtained from my website or in MyOpenMath.

Technical Difficulties: You may experience technical difficulties related to computer connections or equipment during the term. This cannot be used as an excuse for failure to complete assignments. It is your responsibility to locate the computer hardware, software, and Internet connections necessary to stay connected and current with your course work.

Conduct/Responsibilities:

- All work done for this course is to be your own.
- Cheating and scholastic dishonesty will not be tolerated. Dishonest work on an exam will result in a zero on that assignment. No exceptions. Furthermore, any confirmed plagiarism and cheating incidents will be reported to the Department Chair and/or Academic Dean. The use of any mathematical solving apps/programs or AI (i.e. Photomath, ChatGPT, MathGPT, etc.) is considered cheating and is prohibited.
- Please treat fellow classmates and the instructor with courtesy and respect.
- In the event that you find another student's words, actions, or demeanor to be frightening or offensive, please inform the instructor.

Concerns - If you have any concerns about this course and/or me, please contact me first. If I cannot resolve your issue, please contact the Math Department Office at 702-651-2725. You will be directed to the Department Chair. You will remain anonymous, if possible, and all communications will be strictly confidential. Please DO NOT wait until the last minute to make your concerns known to me and/or to the Math Dept.

CLASS ASSIGNMENT DETAILS

- **Syllabus Quiz** – You will begin the course by completing a quiz in MyOpenMath covering the information and policies laid out in this syllabus. You must earn a perfect score on the Syllabus Quiz before any of the other assignments will be made available to you. If you do not get a perfect score, review your answers and this syllabus, and then retake the Syllabus Quiz. You will be given as many attempts as you need to achieve a perfect score. The Syllabus Quiz will count as one of your homework assignments. **Please note that this assignment (in conjunction with attendance taken during the first week of class) will be used to verify student participation in the course. Students who do not complete this assignment by Tuesday, January 28th, will be dropped from the course, with tuition and fee liability per the Course Registration & Withdrawal CSN policy. Policy details are given later in this syllabus.**
- **Homework Assignments** – You will be responsible for submitting weekly online homework assignments. Each week there will be a group of homework assignments due on Monday nights at 11:59pm. All online homework assignments will be completed in MyOpenMath. Your first homework assignment is due Monday, 1/27. Each week there are multiple sections of homework due, so you will want to start working immediately once the course begins. These homework assignments make up 20% of your overall grade. These homework assignments are not something you can finish in an afternoon. There are numerous problems to do so it's best to work on it in short chunks several times a week versus spending hours and hours on one day. The attached MOM registration instructions will explain how to access the homework.
- **Tests** – Tests 1, 2, 3, and 4 will be paper-and-pencil, in-class closed-book tests (see schedule for dates). You are NOT allowed any notes on Tests 1 – 4 (no notecards are allowed either). I have review problem lists and practice exams for the in-class exams and final which is available from my web site. See schedule for exam dates. Formulas are given on specific tests. You MAY NOT use your mobile device as a calculator during a test. All mobile devices must be turned off or on vibrate and must be put away during the exams. The average of Tests 1, 2, 3, and 4 will make up 50% of your overall grade. There are no redos or makeups for any of the tests.
- **Precalculus Review Quiz** – The precalculus review quiz will be an online quiz that can be taken at home in MyOpenMath. This quiz will cover precalculus review material that is covered in Chapter 1. The test will contain similar problems as what is in the Chapter 1 homework assignments, but with different numbers. Therefore, it will be advantageous for you to keep a homework notebook, and you can use this during the precalculus review quiz. This test will be graded by MOM. You will have unlimited attempts available for this exam, and your highest score will be counted. This exam is due Monday, 2/3, at 11:59pm. The precalculus review exam makes up 5% of your overall grade.
- **Final Exam** – The final is a comprehensive, closed book exam which will be given on Thursday, May 15th, 2025 during your regularly scheduled class period. A formula sheet will be provided. You MAY NOT use your mobile device as a calculator during a test. The final exam is worth 25% of your overall grade. There are no redos or makeups for the final exam.
- **Extra Credit** – In MyOpenMath, there will be an online test review assignment for each exam that will become available the week before each exam. This will allow you to earn up to 5% that will be added to your exam percent. These assignments resemble the problems on the sample exams and are designed to help you review for the exam. In addition, your three lowest homework scores from the whole semester will be dropped. Besides these, no other extra credit assignments will be offered.

CSN POLICIES AND RESOURCES

Course Registration and Withdrawal Policy: students, without previous arrangement with the instructor or department, who fail to attend the first two (2) class meetings of a course that meets multiple times per week or the first (1st) meeting of a class that meets one (1) time per week may be administratively withdrawn from the course. Non-attendance/non-participation for an online course shall be defined as failure to log onto CANVAS or other instructor-designated websites AND complete one educational activity such as a discussion post or assignment submission within one (1) week of the course start date without prior arrangements made with the instructor or department. A student may be administratively withdrawn from an online course(s) for non-participation or attendance per this policy. To view the policy, go here:

<https://www.csn.edu/sites/default/files/documents/policies-and-procedures/2024.05-Course-Registration-and-Withdrawal-Policy.pdf>

Academic Integrity: You are expected to complete your own work in this class. Using artificial intelligence to generate work, or claiming work done by others is plagiarism. Furthermore, cheating on exams or lab exercises is not fair to students who are honestly studying. Cheating is also subject to penalties, which can include getting a zero for the exam or lab exercise or failing the course. The full list of possible penalties is listed in the CSN Student Academic Integrity Policy. Please make yourself familiar with this policy (https://www.csn.edu/csnmedia/documents/policies-and-procedures/2017_academic-integrity-policy_2_0.pdf).

ADA Notice and Disability Resource Center (DRC) Information

CSN is committed to equal opportunity and access in education for all students, including those with disabilities. The CSN Disability Resource Center provides support to students with documented medical, mental health, or learning disabilities and students who need support due to pregnancy. To register with the DRC, students should complete the new student application in the AIM DRC tile in GoCSN. Students are encouraged to register with the DRC as early as possible in or prior to the start of the academic term. The granting of any accommodation will not be retroactive and cannot jeopardize the academic standards or integrity of the course. Please Note - Instructors are not allowed to provide classroom accommodations to a student until appropriate verification from the DRC has been provided. If you have questions, please contact the DRC directly (702-651-5644) or visit <https://www.csn.edu/disability-resource-center> for additional information.

Students' Rights and Responsibilities: When you choose to become a student at CSN, you accept the rights and responsibilities of membership in CSN's academic and social community. You can find policies covering students such as the Student Conduct, Students' Right to Know, Students' Academic Integrity, and Disruptive and Abusive Student in the following locations: Catalog and Student Handbook: <https://www.csn.edu/catalog> in the Policies and Procedures section and the CSN Website: <https://www.csn.edu/policies-procedures> under the heading "Student Policies."

Sex-Based Harassment and Discrimination: CSN is committed to creating a safe and open learning environment for all students. In accordance with Title IX of the Education Amendments of 1972, CSN prohibits unlawful sex-based harassment against any participant in its education programs or activities. Sexual-based harassment includes quid pro quo (this for that) harassment, a hostile environment, and criminal sexual violence (including sexual assault, dating/domestic violence, and stalking.) This prohibition applies to CSN students, employees, and visitors. Incidents of sex-based harassment or discrimination should be reported to CSN's Title IX Coordinator, Dr. Armen Asherian, at titleixcoordinator@csn.edu, or 702-651-7481 or University Police Department at 702-895-3669 to report a crime.

Pregnant Students: CSN prohibits discrimination based on sex in education programs and activities. This prohibition on discrimination extends to pregnancy and related conditions—including childbirth, lactation, false pregnancy, termination of pregnancy, and recovery therefrom—as well as to parental and family status. If you are pregnant or have a pregnancy-related condition, and you are in need of accommodation because of your pregnancy or pregnancy-related condition, please let the instructor know as soon as possible. Accommodations are generally not retroactively applied. You can also contact Dr. Armen Asherian, Title IX Coordinator, at titleixcoordinator@csn.edu or 702-651-7481, or you can contact the Disability Resource Center at 702-651-5644 for West Charleston, 702-651-3795 for Henderson, and 702-651-4045 for North Las Vegas to explore reasonable accommodation.

Library Support: CSN Libraries provides support for students completing assignments that require research and the use of information. Librarians are available to students for one-on-one assistance locating and citing quality information either online at <https://library.csn.edu/ask/> or at one of our campus libraries. Find more information on our website <https://library.csn.edu/>

Academic Advising: Academic Advisors help students assess academic strengths and limitations, learn academic success strategies, explore careers, declare a major, navigate the educational system, access campus and community resources, and connect to campus life. Contact Information: Charleston Campus: Building D – Student Services Area : 702–651–5670, North Las Vegas Campus: Student Services Area : 702–651–4049, Henderson Campus: Building B – Room 120 : 702–651–3165.
<https://www.csn.edu/advising>

Centers for Academic Success: Centers for Academic Success (CAS) provides quality DROP-IN academic assistance to all students enrolled in for-credit courses at CSN. Tutors are available for most general education courses and many other historically challenging courses. Academic learning support includes drop-in assistance with learning strategies, Canvas, online tutoring, Microsoft Office, writing, oral presentations, math, and science. CAS tutors also facilitate study groups for courses (e.g., biology, math, and chemistry). CAS is open Monday through Sunday. Hours for all locations are Monday – Thursday, 9:00 am to 6:00 pm, and Friday – Sunday, 11:00 am to 4:00 pm. You may visit www.csn.edu/centers-academic-success for more details about CAS services. You may also contact us at one of our offices: Charleston Centers 702-651-5732, North Las Vegas Learning Commons 702-651-4232, Henderson Learning Commons 702-651-3125.

Tutor Chat: TutorChat is a free, live, online chat service accessible by CSN students at <https://csncentersacademicsuccess.libanswers.com/> or in the navigation menu of your Canvas courses. TutorChat is designed to answer your quick questions, help you form successful study habits, and show you how to use Canvas and other resources for student success, such as online tutoring and MyCoyoteSuccess workshops, accessed in GoCSN. Quick questions are defined as assistance with topic formulation, proper MLA or APA citation formatting, and development of outlines including thesis statement, introduction clarity, and appropriate conclusion. TutorChat staff can start audio video sessions and give you information on how to connect with a Centers for Academic Success tutor, which is an in-person service FREE to you. For more information, you can chat with us or submit a question. TutorChat is open to all enrolled CSN students. *If you need assistance outside their normal business hours, please submit a question at TutorChat. They usually respond within 24 hours.

Disclaimer: The instructor reserves the right to modify the following schedule as necessary (Reminder: This schedule is tentative). It is the students' responsibility to be aware of any changes made. The instructor also reserves the right to change the schedule in any manner at any time with written notification. This syllabus is a contract. Staying in this course signifies your agreement to the contents.

Homework Due Dates for MATH 181 Spring 2025

Week	Dates	Sections	Homework Due Date:
1	1/20 – 1/26	Sec 1.1, 1.2, Syllabus Quiz	1/27/25 @ 11:59P
2	1/27 – 2/2	Sec 1.3, 1.4, 1.5, 2.1 Precal Review Test	2/3/25 @ 11:59P
3	2/3 – 2/9	Sec 2.2, 2.3, 2.4	2/10/25 @ 11:59P
4	2/10 – 2/16	Sec 2.5, 3.1, 3.2	2/17/25 @ 11:59P
5	2/17 – 2/23	Sec 3.3	2/24/25 @ 11:59P
6	2/24 – 3/2	Sec 3.4, 3.5, 3.6	3/3/25 @ 11:59P
7	3/3 – 3/9	Sec 3.7, 3.8	3/10/25 @ 11:59P
8	3/10 – 3/16	Sec 3.9	No HW Due this week
9	3/24 – 3/30	Sec 3.9, 3.10, 4.1	3/31/25 @ 11:59P
10	3/31 – 4/6	Sec 4.2, 4.3	4/7/25 @ 11:59P
11	4/7 – 4/13	Sec 4.4, 4.6	4/14/25 @ 11:59P
12	4/14 – 4/20	Sec 5.1	4/21/25 @ 11:59P
13	4/21 – 4/27	Sec 5.2, 5.3	4/28/25 @ 11:59P
14	4/28 – 5/4	Sec 5.4, 5.5	5/5/25 @ 11:59P
15	5/5 – 5/11	Sec 5.6	5/12/25 @ 11:59P
16	5/12 – 5/15	Final Review Assignment	5/15/25 @ 11:59P

EXAM DATES:

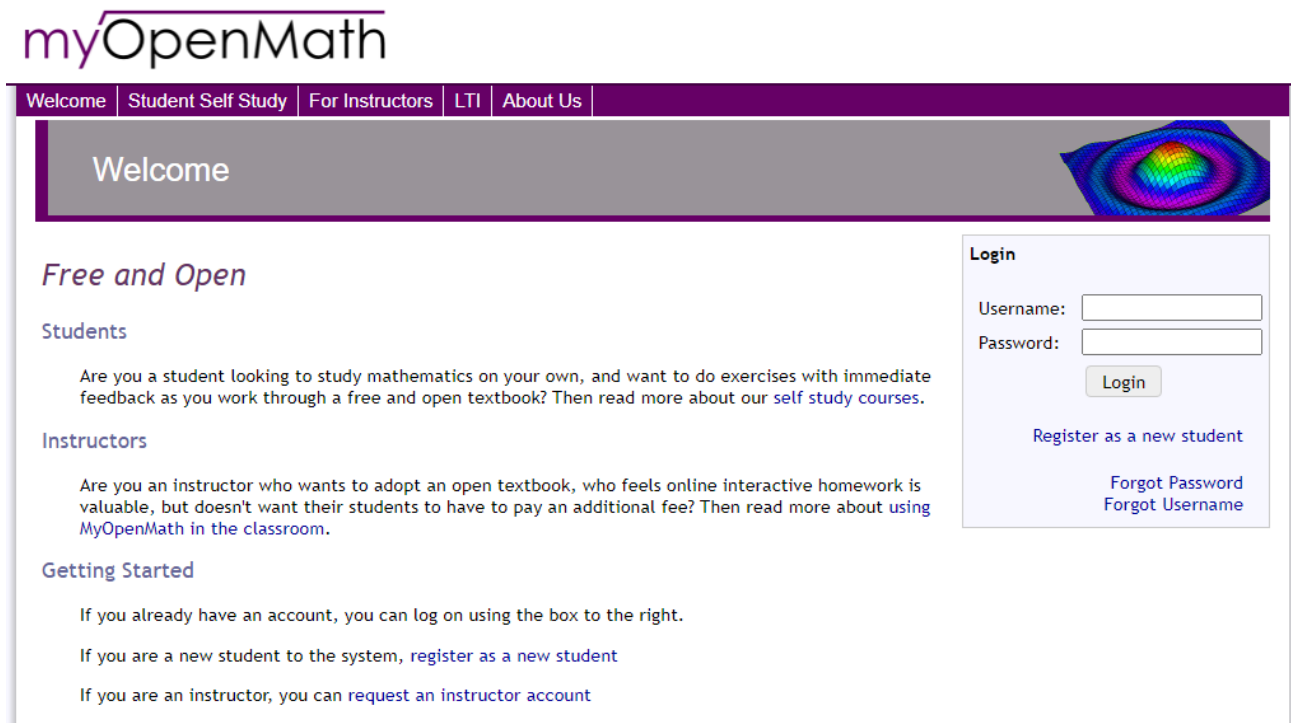
TEST 1 (Sec 2.1 – 2.6, 3.1, 3.2)	Tuesday, 2/18/25
TEST 2 (Sec 3.3 – 3.8)	Wednesday, 3/12/25
TEST 3 (Sec 3.9, 3.10, 4.1 – 4.6)	Wednesday, 4/16/25
TEST 4 (Sec 5.1 – 5.6)	Thursday, 5/8/25
FINAL EXAM (CUMULATIVE)	Thursday, 5/15/25

Tentative Schedule for MATH 181 Spring 2025

Date	Day	Section
1/21	T	Syllabus Review, 1.1
1/22	W	1.1, 1.2
1/23	R	1.2, 1.3
1/28	T	1.3, 1.4
1/29	W	1.4, 1.5
1/30	R	2.1
2/4	T	2.2
2/5	W	2.3, 2.4
2/6	R	2.4, 2.5
2/11	T	2.5, 3.1
2/12	W	3.1, 3.2
2/13	R	REVIEW
2/18	T	<u>TEST 1 (2.1 – 2.5, 3.1, 3.2)</u>
2/19	W	3.3
2/20	R	3.3
2/25	T	3.4, 3.5
2/26	W	3.5, 3.6
2/27	R	3.6, 3.7
3/4	T	3.7, 3.8
3/5	W	3.8
3/6	R	<u>NO CLASS – TEACHER AT CONFERENCE</u>
3/11	T	REVIEW
3/12	W	<u>TEST 2 (3.3 – 3.8)</u>
3/13	R	3.9
3/18 – 3/20	TWR	<u>NO CLASS – SPRING BREAK RECESS</u>
3/25	T	3.9, 3.10
3/26	W	3.10, 4.1
3/27	R	4.1, 4.2
4/1	T	4.2, 4.3
4/2	W	4.3, 4.4
4/3	R	4.4
4/8	T	4.4
4/9	W	4.4
4/10	R	4.6, 5.1
4/15	T	REVIEW
4/16	W	<u>TEST 3 (3.9 – 3.10, 4.1 – 4.6)</u>
4/17	R	5.1
4/22	T	5.2
4/23	W	5.2, 5.3
4/24	R	5.3, 5.4
4/29	T	5.4, 5.5
4/30	W	5.5
5/1	R	5.5
5/6	T	5.6
5/7	W	REVIEW
5/8	R	<u>TEST 4 (5.1 – 5.6)</u>
5/13	T	REVIEW FOR FINAL
5/14	W	REVIEW FOR FINAL
5/15	R	<u>FINAL EXAM (and last day of class)</u>

MyOpenMath Registration Instructions

To begin the registration process you can either click on the [registration link](#) or enter www.myopenmath.com into your preferred browser and find the registration link there:



The screenshot shows the MyOpenMath website interface. At the top, there is a navigation bar with links for 'Welcome', 'Student Self Study', 'For Instructors', 'LTI', and 'About Us'. Below this is a 'Welcome' banner with a colorful abstract graphic. The main content area is divided into sections: 'Free and Open', 'Students', 'Instructors', and 'Getting Started'. The 'Students' section includes a paragraph about studying mathematics on your own. The 'Instructors' section includes a paragraph about adopting an open textbook. The 'Getting Started' section provides instructions for existing users and new students. On the right side, there is a 'Login' form with fields for 'Username:' and 'Password:', a 'Login' button, and links for 'Register as a new student', 'Forgot Password', and 'Forgot Username'.

Please read ALL of the following instructions first.

1. Username: I strongly recommend that you use your CSN username as that will be one less thing to remember/forget.
2. Password: Again, I recommend that you use your CSN password for ease of memory.
3. Password, again.
4. First Name: Please use the same first name you gave when you enrolled at CSN.
5. Last Name, Please use the same last name you gave when you enrolled at CSN.
6. Email Address: Again, I recommend that you use your CSN email address.
7. Thirteen years of age and older / Terms of Use: You must click these.
8. Course ID: Log into our course in CANVAS to find the Course ID.
9. Enrollment Key: Log into our course in CANVAS to find the Enrollment Key.

After you have filled out the above fields in a manner consistent with the above stipulations then click 'sign up' and you should be able to follow a link on that page that will take you directly to the course homepage where you can get started. If you have any issue with the registration process please don't hesitate to contact me at with your questions, concerns, and/or problems.