MAT397
Calculus III
2016 Summer II

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Office Hours: Monday-Thursday: 9:15AM-9:45AM
                                              Monday-Thursday: 2:45PM-3:15PM

Course Description: MAT 397 is the third course in a three semester sequence in Calculus. This sequence is designed for Mathematics, Science and Engineering majors and for those students in other majors who intend to take advanced courses in mathematics. This course covers the concepts of vectors, vector valued functions, functions of several variables, partial derivatives and multiple integration.

Learning Goals: The broad learning goals for this course are for you to:

- ✓ have a basic knowledge and understanding of the analytic and geometric concepts taught, and some of their classical applications to other sciences such as physics;
- ✓ understand the nature and role of deductive reasoning in mathematics;
- ✓ have the ability to use and understand the usage of mathematical notation;
- ✓ have the ability to do hand calculations accurately and appropriately; and
- ✓ have the ability to follow proofs and other mathematical discourse.

Background for Course: Completing MAT 296 (Calculus II) with a grade of C- or better is a prerequisite for MAT 397 (Calculus III). If you have not satisfied this prerequisite, you should drop MAT 397 and register for MAT 296. Students who earned a C or less in MAT 296 are unlikely to be successful in MAT 397.

Textbook: *Essential Calculus: Early Transcendentals*, **2nd ed.,** by James Stewart.

Purchasing Your Textbook and WebAssign Access Code:
All students are required to have a WebAssign access code for online homework assignments. This code includes access to the online electronic version of the textbook. Some students will also want a physical copy of the textbook. **You may choose between the following options.** If you are unsure about which option to choose, please consult with your instructor.

(1) Purchase a WebAssign access code either at the SU bookstore or online at www.webassign.net. This access code includes access to the online electronic version of the textbook. If you purchase this code at the SU bookstore, it is valid for future semesters in the

Calculus sequence. If you purchase it online and plan to take MAT 397, you should purchase the multi-term (lifetime of edition) version.

(2) Purchase a new textbook bundled with a WebAssign access code at the SU bookstore. This access code includes access to the online electronic version of the textbook, and is valid for future semesters in the Calculus sequence.

(3) Purchase a new textbook bundled with a WebAssign access code from the publisher's website at http://www.cengagebrain.com/micro/1-1HYUMAO. You can also purchase just your WebAssign access code at the publisher's website.

Other Resources: Your textbook comes with access to an online resource at http://www.stewartcalculus.com/media/13_home.php. This website has some interactive visuals to accompany the topics in your textbook. It also has "homework hints" for the problems in your textbook that are marked in blue. Other interactive visuals can be found by clicking the TEC icon in the pages of your ebook**.**

Calculators: Calculators are not required for this course and they will not be allowed on exam and quizzes. Use or availability of any calculator or other electronic device at an examination is a violation of the Academic Integrity Policy.

Course Format: The course will meet from 12:00pm to 2:25 pm Mon-Thurs in HL201, with a short break approximately halfway through. You are encouraged to ask questions and participate.

Exam Dates:

Exam 1: Thursday, July 14
Exam 2: Thursday, July 28
Final Exam: Final exam will be given on **Wednesday, August 10**.

Make-up Exams: There will be NO makeup tests. For students with an EXCUSED absence, the final exam score will be substituted for the missing exam score.

Calculation of Course Grade: The required work for this course includes daily homework assignments, quizzes, two in class exams, and a final exam. These pieces will be weighed as follows in determining your semester grade:

> Homework and quizzes – 20%
> Each midterm exam – 20%
> Final Exam – 40%

Your letter grade for the term then comes from the following table.

Overall score x	Letter Grade	Overall score x	Letter Grade
0<=x<60	F	80<=x<83	B-
60<=x<70	D	83<=x<86	B
70<=x<73	C-	86<=x<90	B+
73<=x<76	C	90<=x<93	A-
76<=x<80	C+	93<=x<=100	A

Available student assistance: Instructor office hours, Math Clinic.

Homework: To learn the material in a mathematics class, it is essential to do all the homework assignments. All problems will be done using WebAssign. Every Tuesday and every Thursday night a set of WebAssign problems will be assigned and will be due at 11:59pm on the Sunday or Tuesday depending on the day it is posted. Namely, you will have at least 5 days to finish your hw. Lowest 2 homework scores will be dropped. The instructions for how to initiate your WebAssign access are at the end of this document.

Extension Policy: A two-day automatic extension of WebAssign homework is possible through WebAssign. You have to request an extension after the original due time. Extension window closes after 7 days. However, the 2-day extension does not exceed the 7-day extension period. For example, if you request an extension during the 7th day after the due date, then you will not have a 2-day extension but you will have time until the end of 7th day to complete your homework. There is no other way of requesting extensions. If you request an extension, you will lose 50% of the point value of the questions answered correctly after the original due date. Questions answered before the due date are not effected and they are counted 100%.

Extra Credit Policy:
You will receive 50% extra credit for the questions submitted 72 hours (3 days) before the due date.

WEBASSIGN WARNINGS

- You will have 6 submissions allowed. Submit question by question. Never submit the assignment in once. After you submitted the assignment, even I do not have the permission to give you more trials.
- If you see a green check sign next to the question you have submitted, then your answer to that question is correct, and you do not need to do anything further about that question. Again, never touch the "Submit Assignment" button, on the bottom of the page.
- You can see your points per question and your total points at the top of the page under the "Extension Requests" \& "Print Assignment" links. If you see your score, and it is correct, then you do not need to anything. Contact me only if there is an error in your

score.
- NEVER change your username. It results in duplication of account, rather than overwriting your existing account.
- Note that all due times are 11:59p.m. EDT (EDT - Eastern Daylight Time. This is the time zone of NY State.) If you are in another state, or country, then check your time zone and submit your homework according to NY time.
- In general if you have any trouble with login, try the following trouble shooting steps.
  - ✓ restart your web browser,
  - ✓ restart your computer/laptop,
  - ✓ Use Firefox instead of other web browsers. Especially, Apple users are strongly recommended to use Firefox instead of Safari.

Quizzes: Every Tuesday and every Thursday (If there is no exam) there will be quizzes. These quizzes will have 2 problems similar to the homework problems. **No makeup quizzes will be given. Two lowest scores will be dropped.**

DEADLINES FOR SUMMER SESSION II 2016

FIRST DAY OF SSII – July 5, 2016

ADD CLASS – July 7, 2016

PASS/FAIL OR AUDIT – July 8, 2016

FINANCIAL DROP – July 12, 2016

ACADEMIC DROP – July 27, 2016

WITHDRAWAL DEADLINE – August 5, 2016

LAST DAY OF CLASSES – August 12, 2016

FINISHING AN INCOMPLETE – IF YOU ARE COMPLETING AN INCOMPLETE GRADE FROM THE PREVIOUS SEMESTER, YOU SHOULD NOT REGISTER FOR THE COURSE AGAIN. ASK INSTRUCTOR AND INFORM HIM THAT YOU ARE FINISHING AN INCOMPLETE. THE INSTRUCTOR FOR THIS SEMESTER WILL FORWARD YOUR GRADE TO THE INSTRUCTOR THAT GAVE YOU THE INCOMPLETE.

Academic Integrity: Syracuse University sets high standards for academic integrity. Those standards are supported and enforced by students, including those who serve as academic integrity hearing panel members and hearing officers. The presumptive sanction for a first offense is course failure, accompanied by the transcript notation "Violation of the Academic Integrity Policy". The standard sanction for a first offense by graduate students is suspension or expulsion. Students should review the Office of Academic Integrity online resource "Twenty Questions and Answers About the Syracuse University Academic Integrity Policy" and confer with instructors about course-specific citation methods, permitted collaboration (if any), and rules for examinations. The Policy also governs the veracity of signatures on attendance sheets and other verification of participation in class activities. Additional guidance for students can be found in the Office of Academic Integrity resource: "What does academic integrity mean?"

Related links:

The Academic Integrity Policy: http://academicintegrity.syr.edu/academic-integrity-policy/
Twenty Questions and Answers about the Academic Integrity Policy: http://academicintegrity.syr.edu/faculty-resources/
What does academic integrity mean?: http://academicintegrity.syr.edu/what-does-academic-integrity-mean/

Students with Disabilities: If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), http://disabilityservices.syr.edu, located in Room 309 of 804 University Avenue, or call (315) 443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented disabilities Accommodation Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible. You are also welcome to contact me privately to discuss your academic needs although I cannot arrange for disability-related accommodations. Making arrangements with ODS takes time. Do not wait until just before the first test.

Religious Observances Policy. SU religious observances policy recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to are religious observance provided they notify their instructors before the end of the second week of classes. For fall and spring semesters, an online notification process is available through MySlice (Student Services -> Enrollment -> My Religious Observances) from the first day of class until the end of the second week of class.

Related link: http://supolicies.syr.edu/studs/religious_observance.htm

How to Succeed: Here are a few basic suggestions for how to succeed in this course.

1. It is absolutely essential that you understand how to solve the assigned homework problems and, more importantly, how and why the skills and techniques presented in the course are used in solving the assign problems. Quiz and exam questions will be similar to these problems.

2. Ask questions in lecture, recitation and/or at the clinic about anything that is not completely clear. Don't hesitate to bring questions to your instructors during office hours.

3. Every day, read and study the sections in the textbook covered in the lecture. Learning mathematics takes time! Read carefully and work through all the examples in complete detail. It can be helpful to try to work through an example on your own before reading the solution.

4. Stay caught up. Mathematical concepts build on each other cumulatively and you need to stay on top of the material at every stage. If you are having difficulty, don't expect that the problem will take care of itself and disappear later. Contact your course instructor or your recitation instructor immediately and discuss the problem!

5. Form a study group. Many students benefit from a study group to work through challenging problems and to review for exams. You should attempt the problems ahead of time by yourself and then work through any difficulties with your study partners. Explaining your reasoning to another student can help to clarify your own understanding.

6. You should expect to work hard. Don't get discouraged if you find some of the material very difficult. Be persistent and patient!

If you follow the above suggestions, your experience in this course should be a rewarding one.

WEBASSIGN REGISTRATION INSTRUCTIONS FOR MAT296 SPRING 2015 SECTION4

- Go to www.webassign.net

- Click on ENTER CLASS KEY.

- Enter the class key by entering **syr** in the first box, **9301** in the second box, and **6954** in the third box; then click SUBMIT.

- If you see   "**Instructor:** Muhammed Alan"

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  Click on "YES, THIS IS MY CLASS"
- Select I need to create a WebAssign account (if you do not have an account associated to your SU email from an earlier class or another semester. If you have an account associated to your SU account, then choose I already have a WebAssign account.)
- Enter a user name and password of your choice**. NEVER CHANGE YOUR USERNAME! (**If you change your username, then the system duplicates your account and you may loose some of your hw).
    - ➢ Enter your name and Last Name.
    - ➢ Enter your SU email account
    - ➢ [Use your SU email account. No gmail, yahoo, Hotmail, or any other account. I receive your scores according to your email address.] If you use any email not ending as @syr.edu, you may loose your homework scores.
    - ➢ Enter your SU Student ID.
- Then click on "Create my Account".
- The next page confirms your information, so click on LOG IN NOW.
- You should be logged in now. Select one of the options
    - i.   purchase an access code online (if you do not have an access code)
    - ii.   enter an access code (purchased with textbook or from a bookstore)
    - iii.   continue my trial period