Salt Lake Community College

MATH 2210 - Calculus III / Spring 2015

INSTRUCTOR: Todd Riggs

FINAL: Section 05 (TR 14:30 – 16:50 Redwood) **Tues 5/5/15 1:30 – 3:30 TB 303;**
          Section 06 (TR 15:30 – 19:50 Jordan) **Tues 5/5/15 5:50 – 7:50 JHS 022;**
Optional Time: 1220-06 (TR 12:00 – 1:50 Redwood) **Tues 5/5/15 11:20 – 1:20 TB 309;

OFFICE: SI 018;   ***** Email for contact!! *****
E-Mail: sriggs7@bruinmail.slcc.edu

CONSULTATION: TR 11:00 – 11:50; or other by apt. / Generally not on campus MWF

TEXT: _Calculus: Early Transcendentals, 7th edition_ by James Stewart**,** Brooks/Cole, Cengage Learning (publisher) **This is a required text. No computer access is needed/required.**

PREREQUISITE: Within the last year, you must have completed a Calculus II course, i.e. Math 1220, with a C or above.

INTRODUCTION: SLCC is committed to fostering and assessing the following student learning outcomes in its programs and courses:
- o   Acquiring substantive knowledge in the field of their choice
- o   Developing quantitative literacies
- o   Developing the knowledge and skills to be civically engaged
- o   Thinking critically and Communicating effectively

COURSE DESCRIPTION: Topics will include a study of vector-valued functions and motion in space; functions of two or more variables and their derivatives, multiple integrals, vector fields, line integrals, Green's and Stokes' Theorems, curl and divergence. Some applications of calculus will also be included.

CALCULATORS: Calculators are **not** allowed for in-class exams but are encouraged for learning concepts.   Students may use a calculator and/or computer software (e.g. Mathematica/Maple) on homework or projects. Basic scientific calculators will be allowed on the final.

COURSE COMPONENTS:
This course will include but may not be limited to the following components:
- Lecture
- Classroom discussions
- Homework assignments
- Group work
- Computer or calculator assignments
- Problem presentations

POLICIES AND PROCEDURES:
Class Schedule: Attached is a tentative schedule for the course. This schedule will be followed as closely as possible; however, some modifications **WILL** be necessary during the semester. Your instructor will announce all modifications in class.

Attendance is expected. You will be accountable for all information you miss due to your absence. This includes, but is not limited to, in-class announcements. You will not

be allowed to make up quizzes, in-class projects, group exercises, or extra credit assignments completed during class time.

Homework <u>or</u> Quiz each week:

<u>HomeWork</u>: Attached is a list of homework assignments, (this may be altered during the term).

1. <u>Generally homework is collected weekly.</u>   It will be due the first day of each week or on exam days when there is an exam that week.
2. Homework MUST BE STAPLED in a single weekly packet to be accepted.
3. NO LATE WORK WILL BE ACCEPTED FOR ANY REASON!
4. Your 2 lowest assignments/quiz scores will be dropped.
5. Homework with stains, spills, etc. will not be accepted!
6. Homework is graded on completion only! (scored as below)
7. Scores per week: $< 50\%$ - 0;   50% to 75% - 1;   75% to 95% - 2; $> 95\%$ - 3

Homework problems are similar to the problems that will be on course examinations and the final exam. **Regular practice is essential for success in mathematics.** You should not only understand **how** to do the homework but **why** problems and theorems work the way they do. **Learn the why's of your homework, not just the how's!**

In class work: There may be in-class group work throughout the semester and treated as homework for grading. This means if you miss 2 class work projects, you cannot miss any quiz or homework to get 100% on your homework grade.

Computer Labs: There may be computer labs assigned as homework. All relevant software is accessible in the Math Dept. Lab (and may be available in other labs as well).

Exams: There will be four exams and a final during the semester. Your lowest exam will be counted as 3% of your total grade. Exams will be taken during a scheduled class period. **NO MAKE-UP EXAMS** will be given.   If you miss an exam, it will be counted as your 3% exam. You may take an exam early. Full credit will be awarded on exam problems only if your work can be readily followed and work supported solutions are precise and clearly indicated. **NO WORK, NO CREDIT!**

Final Exam: **It is NOT an option for the students to not take this exam.** Students should make arrangements with employers now to be free at the appointed time. The final will be a comprehensive examination emphasizing topics listed under the course objectives. It is an SLCC Math Department policy that students attaining a score of less than 60% on the final shall receive a grade no higher than "D" for the course.

Permanent Folder: In case of human or computer error, **keep all homework, projects, quizzes, and exams in a folder until you have received a grade for the course.**

Cheating Policy: Students found cheating on tests will receive an "E" for the entire course. **There will be no tolerance for cheating.** The student code of conduct covers this particular issue on pages 39-41. The link is:
<u>http://www.slcc.edu/policies/docs/Student_Code_of_Conduct.pdf</u>.

Withdraw Policy: Students may drop from the course through Feb 2. Students may withdraw from the course through Mar 24. **No withdrawals will be approved after that date.**

Grades will be awarded as follows:

A	93.0 – 100 %	C	73.0 – 76.9 %
A-	90.0 – 92.9 %	C-	70.0 – 72.9 %
B+	87.0 – 89.9 %	D+	67.0 – 69.9 %
B	83.0 – 86.9 %	D	63.0 – 66.9 %
B-	80.0 – 82.9 %	D-	60.0 – 62.9 %
C+	77.0 – 79.9 %	E	0 – 59.9 %

Grade weights	Homework/Quiz/Labs	16%	(Lowest 2 dropped)
	3 HW Presentations	3%	(1% each)
	Exams	51 %	(16, 16, 16, 3% - lowest exam)
	Final Exam	30 %	

** Due to lack of security, no grade information can be given through email.

Incomplete: A grade of incomplete is given under extreme, documented, circumstances and you must be doing passing work.

Classroom Deportment: Each student is responsible for her/his own behavior. Any student who shows a pattern of disrespect for others, or who at any time displays flagrant disrespect for others, will be subject to penalties as per the student code of conduct. No cell phones in class, and laptops allowed only upon request.

STUDENT CODE OF CONDUCT: The student is expected to follow the SLCC Student Code of Conduct found at: http://www.slcc.edu/policies/docs/stdtcode.pdf

EXTRA HELP: Calculus III is a challenging course and requires a greater level of understanding! The methods for success are simple: **read the text, participate in class, and keep up on assignments, and get help early!** Many students find that forming study groups with other students is a very effective way for them to master mathematics. If you need extra help, free tutoring is available in the Learning Centers (phone 957-4172) at Redwood TB-213. A list of private tutors who may be hired is available in the Learning Centers.

ACCOMMODATIONS: Students with medical, psychological, learning or other disabilities desiring accommodations or services under ADA, must contact the Disability Resource Center (DRC). The DRC determines eligibility for and authorizes the provision of these accommodations and services for the college.   Please contact the DRC at the Student Center, Suite 244, Redwood Campus, 4600 So. Redwood Rd, 84123. Phone: (801) 957-4659, TTY: 957-4646, Fax: 957- 4947 or by email: linda.bennett@slcc.edu

MATH DEPARTMENT WEBPAGE: http://www.slcc.edu/math/   This site contains many resources for students. Also, copies of this syllabus, homework exercises, class schedule, computer projects, and other items relating to class projects can be accessed from the math homepage.   On the left of the screen, click on Resources for Student

Success. This page contains a wealth of valuable information! Learn about workshops, tutoring, software, videos, and web sites that are all designed to HELP YOU SUCCEED