Calculus II MAC 2312 Summer 2014

Instructor: Deborah A. Howard

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Office Hours: MTRF: 1:15-2:45 pm in 08-207

 W: 1:15-5:15 pm by email

Course Description: Prerequisite: Satisfactory score on entry level assessment or MAC2311C with a grade of a “C”or better. Topics include derivatives of exponential, logarithmic, hyperbolic, and inverse functions, integration techniques, surface area and arc length, sequences and series, polar and parametric equations.

Competencies of a Valencia Graduate:

1. **THINK:** think clearly, critically, and creatively. Analyze, synthesize, integrate, and evaluate in many domains of human inquiry.

2. **COMMUNICATE:** Communicate with different audiences using varied means.

3. **VALUE:** Make reasoned value judgments and responsible commitments.

4. **ACT:** Act purposefully, reflectively, and responsibly.

Required Course Material: Calculus, 7th edition, James Stewart, 2012.

ISBN-13:978-0-538-49785-5

**A graphing calculator is required for this course.**

Evaluation: Your grade will be determined by grades on tests, the final exam project, and the final exam. 4 Tests total 400 points

 Quizzes 100 points

 Final Exam 100 points

90-100 A 80-89 B 70-79 C 60-69 D 0-59 F

Tests: There will be 4 tests. **There will be no makeup exams given.** In the event of a missed exam (or a low exam score), the final exam may replace one exam score (provided the final exam is a 70 or better).

Quizzes: Expect a daily quiz on assigned homework problems. **There will be no makeup quizzes given.** Three quizzes will be dropped at the end of the semester.

Final Exam: There will be a comprehensive final exam given at the end of the course during the final examination period. See below for exact time, date, and location.

Disclaimer: Changes in the evaluation procedure may be made at the discretion of the instructor.

Academic Honesty: You are expected to do your own work on exams. Providing information to another student or receiving information concerning exam content is considered cheating. The professor reserves the right to determine the appropriate penalties within Valencia College’s academic honesty policies.

Withdrawal Policy: Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the withdrawal deadline of **June 27th (11:59 pm)** will receive a grade of “W.” A student is not permitted to withdraw after the withdrawal deadline. A faculty member MAY withdraw a student up to the beginning of the final exam period for violation of the class attendance policy. A student who is withdrawn by faculty for violation of the class attendance policy will receive a grade of “W.” Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of “F.” For a complete policy and procedure overview on Valencia Policy 4-07 please go to: http://valenciacc.edu/generalcounsel/policydetail.cfm?RecordID=75.

Attendance Policy: Attendance is expected of all students except in case of emergency. If you must be absent, it is your responsibility to find out what you missed either by contacting the instructor or another student. **Please note that I do not withdraw students for lack of attendance. If you wish to withdraw from the course, please do so through ATLAS before the withdraw deadline.**

Tutoring Center: Tutors are available in building 4 (IMC lab on the first floor) free of charge to Valencia students.

Classroom Etiquette and Expectations:

1. Please turn off cell phones and pagers (or put them on “vibrate mode” for emergencies only).

2. If you must be late or leave early, please do so in a manner that will not be disruptive to others.

3. Please, no talking when I am talking.

4. “Packing Up” at the end of class is quite noisy and distracting. I use the last few minutes of class to summarize essential points in the lesson and give instructions and set expectations for the next class meeting. Please wait to “pack up” until **after** I have dismissed class.

5. A vital component for success in this class is practice. The homework problems assigned allow you to determine your strengths and weaknesses before an exam. Beginning sections are the foundation for subsequent sections. It is imperative that you complete your homework before each class meeting.

6. Regular attendance is required. If you are absent, you are responsible for all material covered in class.

7. Please ask questions if you have questions.

**Tentative Schedule:**

|  |  |  |
| --- | --- | --- |
| **Date** | **Tuesday** | **Thursday** |
| **5/5-5/9** | 6.1-6.2 | 6.3-6.4 |
| **5/12-5/16** | 6.6-6.7 | 6.8 |
| **5/19-5/23** | 7.1 | **Test Chapter 6** |
| **5/26-5/30** | 7.2-7.3 | 7.4-7.5 |
| **6/2-6/6** | 7.8 | 8.1 |
| **6/9-6/13** | **Test Chapter 7** | 8.2, 10.1 |
| **6/16-6/20** | 10.2-10.3 | 10.4-10.5 |
| **6/23-6/27** | 10.6 | 11.1 |
| **6/30-7/4** | **Test Ch. 8 & 10** | 11.2-11.3 |
| **7/7-7/11** | 11.4-11.5 | 11.6-11.7 |
| **7/14-7/18** | 11.8-11.9 | 11.10 |
| **7/21-7/25** | **Test Chapter 11** | \* |
| **7/28-8/1** | **Final Exam** | **No Class** |

**HOMEWORK ASSIGNMENT:**

10.1 1-15 odd, 21, 24, 28

10.2 1-15 odd, 37, 39, 45, 57-63 odd

10.3 1-7 odd, 15-25 odd, 29-41 odd, 54

10.4 1-19 odd, 23, 29-33 odd, 45

10.5 1-15 odd, 19, 23, 31, 37, 39, 45, 47

10.6 9-15 odd (parts a and b only)

11.1 1-41 odd

11.2 1-47 odd

11.3 1-25 odd

11.4 3-31 odd

11.5 1-19 odd

11.6 3-29 odd

11.7 1-37 odd

11.8 3-23 odd

11.9 3-19 odd

11.10 3-19 odd, 63-69 odd

6.1 3, 5, 7, 11, 17, 19, 21, 25, 35, 37, 39, 41

6.2 3, 21-45 odd, 59, 79-89 odd

6.3 3-17 odd, 27-33 odd, 47-53 all, 65

6.4 3-17 odd, 23, 29, 33, 35, 41-51 odd, 71-81 odd

6.6 23-35 odd, 49, 59-69 odd

6.7 1, 3, 5, 31-49 odd, 59-67 odd

6.8 7-65 eoo

7.1 1-31 odd

7.2 1-29 odd

7.3 1-29 odd

7.4 1-41 odd

7.5 1-75 odd (That’s right\_ All the odds!)

7.8 5-39 odd

8.1 1-21 odd

8.2 1-15 odd