MAT 251: Calculus for Life Sciences – Fall 2009

Instructor: Yang Kuang Office: PSA 429 Email: kuang@asu.edu

Class Webpage: http://math.asu.edu/%7Ekuang/class/251.html

Class SLN: 74617, Days and Times: Tu, Th 6:00-7:15pm, Room: COWDN124

Course Description: Differential and integral calculus of elementary functions. Introduces differential equations. Emphasizes applications to the life sciences. Not open to students with credit in MAT 210, 260, or 270. Enroll requirements: Pre-requisites: MAT 170 with C or better or completed the ALEKS Calculus Placement Exam with a score of 60% or higher or the Calculus Placement Exam with a score 36 or higher.


Sections to be covered: All sections of Chapter 2, sections 3.1-3.2, sections 4.1-4.4, sections 5.1-5.7, and sections 8.1-8.4.

Graphing calculator: A graphing calculator is required for this course. The recommended models are TI-83 and TI-83 Plus. Any calculator that has a computer algebra system (CAS) will not be allowed on exams and quizzes. If a student is found using one of the models that is not permitted on an exam or a quiz, the student will receive a zero for that exam or quiz.

Homework: Weekly homework from the text will be assigned.

Midterm exams: You will take three exams during the semester. Each will involve a mix of mechanical skills and conceptual reasoning. The best preparation is regular attendance and completion of assigned homework. Makeup exams are given at the discretion of the instructor and only in the case of a verified medical or other documented emergency.

Exam dates: Exam 1 will be held Thrs/Fri September 10 and 11, 2009. Exam 2 will be held Wed/Thu October 14 & 15, and Exam 3 will be held Mon/Tue Nov 23 & 24.

Points Allocation: Three midterm exams: 45%. Homework, group work and other quizzes and activities, 30%. Final Exam: 25%.

Grades: A [90,100], B [80,90), C [70, 80), D [60, 70), E: below 60. Plus and minus grades follow the usual ASU protocol.

Testing center: The midterm exams will be given in the Testing Center (PSA -21, http://math.la.asu.edu/fym/tstcenter.html) on the dates indicated on the exam schedule. In order to be admitted to the testing center each student must have a valid ASU "Sun Card". Your calculator memory may be viewed and cleared during exams. Any suspicious material in your calculator memory will be regarded as cheating. Electronic devices, including (but not limited to) cell phones, Blackberrys, iPods, headphones, etc, must be turned OFF and stowed during the exam. Answering, accessing, or using a cell phone’s photography features during the exam is grounds for failure and Academic Dishonesty procedures. Also, calculator covers must be put away during the exam.

Final exam: The cumulative final exam will be taken in the regularly assigned classroom according to the ASU final exam schedule. According to ASU policy, final exams can be rescheduled only under the following circumstances: (1) religious observance, (2) two finals scheduled at the same time, or (3) more than three exams scheduled on the same day. Final Exam: Thrs, Dec 10, 2009, 2:30-4:20 PM.

Tutor center: The Math Tutor Center in PSA 116 will be open. Please check the hours at: http://math.la.asu.edu/fym/TutorCenter/TutorCenter.html. Use the tutor center to help with class assignments and exam preparation. In order to be admitted to the Tutor Center each student must present their valid ASU Sun Card. The tutor center is free for students enrolled in MAT 251 course.

Note: The instructor has the right to change this syllabus as he sees fit. Any changes will be announced in class. It’s the student’s responsibility to attend class and thus be aware of these changes.

Cell Phones and Electronic Devices: Please be courteous and turn your cell phones and other devices off or silent during class. Picture taking, talking or texting on your cell phone/devices during class is prohibited.
Departmental & University Policies and Procedures

**Departmental drop back:** Based on advising from the course instructor, a student may elect to drop back to a lower level math course before the drop back deadline. Students should go to the Undergraduate Mathematics Office in PSA 211 to initiate a drop back request.

**Instructor-initiated drop:** At the instructor's discretion, any student who has not attended class during the first week of classes may be administratively dropped from the course. However, students should be aware that non-attendance will NOT automatically result in their being dropped from the course.

**Incomplete:** A grade of incomplete will be awarded only in the event that a documented emergency or illness prevents a student who is currently passing with a C or better from completing a small percentage (<10%) of the course requirements. A student with an incomplete must make up the final within one calendar year.

**Honor policy:** The highest standards of academic integrity are expected of all students. The failure of any student to meet these standards may result in suspension or expulsion from the University or other sanctions as specified in the University Student Academic Integrity Policy. Violations of academic integrity include, but are not limited to, cheating, fabrication, tampering, plagiarism, or facilitating such activities.

**Ethics:** Informing the instructor about the possible impact of your grade on future plans (such as graduation, scholarships, and jobs) is unethical. The instructor may withdraw you from the course if you compromise his/her ability to objectively assess coursework. Students involved in academic dishonesty will be removed from the class with a grade of XE, "failure due to academic dishonesty." More serious actions may be taken as appropriate.