

MAT 161: Calculus with Analytic Geometry I
Fall 2011; MW 5:00-6:15PM, BH 206; TR 5:00-5:50PM, BH 161

Instructor: Dr. Dijana Jakelić

Office: Bear Hall 230

Phone: 962-3290

e-mail: jakelicd@uncw.edu

Office Hours: T 2:30-4:30PM; W 3:30-4:20PM

Website: <http://people.uncw.edu/jakelicd>

TA: Emma Hollingsworth

Prerequisite: MAT 112 or 115 or equivalent preparation in algebra and trigonometry.

Text: James Stewart, *Calculus: Early Transcendentals, 7th edition*, Brooks/Cole 2012 (bundled with a WebAssign access code that you will need)

Course Description/Goals: Calculus I is intended for students in the mathematical and natural sciences. It is a prerequisite for all upper-level math courses. We will cover most of the first six chapters of the textbook. The material includes functions and limits, differentiation with applications including maxima and minima, related rates, approximations, and theory of integration with applications.

Grading Policy: Your course grade will be based on three midterm exams (20% each), the final exam (25%) and quizzes/assignments (15%). The grading scale will be the standard 10-points scale (90-100% A, 80-89% B, 70-79% C, 60-69% D) with + and – assigned at the discretion of the instructor.

Exams: The in-class midterm exams are scheduled for **September 27** (Tuesday), **October 20** (Thursday), and **November 17** (Thursday). A comprehensive final exam will be given on the date and at the time that is officially assigned – **December 12** (Monday), 3:00-6:00PM.

Please mark your calendars now and make sure that you are available to take the exams at the scheduled times. If you have any conflict with these times, make sure to let me know prior to **August 31**. No make-up exam will be approved at a later time, except for extremely urgent situations.

Homework/Quizzes: Homework is essential for learning the course material. It will be assigned weekly and posted on the class webpage or on WebAssign. It is *your responsibility* to do it in a timely manner, that is, as soon as it is assigned. Every non-exam week on Thursday a short “homework quiz” (quiz consisting of homework problems!) will be given or, occasionally and without a prior announcement, the homework will be collected. A number of assignments on WebAssign will be given in place of regular assignments. Homework done in WebAssign must be done individually. The lowest quiz/homework score will be dropped to allow for illness or other personal concerns. No make-up quiz will be given and no late homework will be accepted.

Attendance: Regular and punctual attendance is expected and required. If you must miss a lecture, it is your responsibility to find out *everything* that happened the day you missed, whether from another student or from me. That includes not only the lecture material, but any administrative matters I may have discussed. If you must be late for class, you may enter quietly and with as little distraction to others as possible.

Learning Center: The University Learning Center provides drop-in tutoring during open Learning Lab hours for all UNCW students in Math and Statistics courses. For details see Math Services webpage at <http://www.uncw.edu/stuaff/uls/math.htm>.

Study Hints: It is imperative that you review precalculus (Chapter 1 in the textbook) during the first

week of classes. Start by doing Diagnostic Tests A-D and perusing Appendices A-D.

Come to lectures regularly (it is assumed that you are doing so) and take notes -- the lectures may or may not follow the presentation in the textbook.

To do well in this course it is essential to study and work out the homework problems on a *regular* basis, that is, to develop a routine. After each lecture, read the corresponding section from your notes and the book *before* you start doing the homework problems. You are encouraged to check your answers with others and to discuss difficult problems, but make sure that you first attempt to do all of the problems on your own. Work extra problems. Do not stop working when you think you understand the material. Stop when going through the problems seems to be a matter of routine and when you have a high confidence that your answers are correct. Take advantage of the Learning Center and my office hours. Please do not hesitate to ask for help as soon as you encounter difficulties in understanding the material. Also, feel free to talk to me about any course-related concerns you may have.

Cell Phones, PDAs, Laptops: Please silence your cell phone and do not make calls, access applications or text during class. If you have a personal, urgent matter for which you need to be on call, please let me know in advance. In addition, you may not have any PDAs or laptops/netbooks/iPads open and active during class. Please report any such distractions.

Academic Honor Code: Complete academic honesty is expected from all students in accordance with the *UNCW Student Handbook and Code of Student Life*.

Students with Disabilities: If you have a disability and need reasonable accommodation in this course, you should inform the instructor of this fact in writing within the first week of class or as soon as possible. If you have not already done so, you must register with the Office of Disability Services in Westside Hall (extension 3746) and obtain a copy of your Accommodation Letter. You should then meet with your instructor to make mutually agreeable arrangements based on the recommendations of the Accommodation Letter.

Religious Observance Policy: In accordance with NC SL 2010-211, you are entitled to two excused absences for religious observances **per academic year**. You must inform me in writing the first week of class if you will be missing any classes due to religious observance and using one of the two permissible absences for the academic year. In addition, make sure to inform the Registrar the first week of class who will then confirm your intentions to miss class with the impacted course instructors. Any absence for religious purposes will be considered unexcused unless you submit the requests in writing the first week.

The UNCW Statement on Diversity in the University Community: As an institution of higher learning, the University of North Carolina Wilmington represents a rich diversity of human beings among its faculty, staff, and students and is committed to maintaining a campus environment that values that diversity. Accordingly, the university supports policies, curricula, and co-curricular activities that encourage understanding of and appreciation for all members of its community and will not tolerate any harassment or disrespect for persons because of race, gender, age, color, national origin, ethnicity, creed, religion, disability, sexual orientation, political affiliation, marital status, or relationship to other university constituents.

Good luck!