Calculus II

Calculus II is the second in a sequence of four courses for students who are planning to major in engineering, mathematics, or the sciences. Graphical analysis of concepts is emphasized through the use of technology. Topics for the course include: an introduction to the indefinite and definite integral, applications of the definite integral, and integration of logarithmic, exponential, trigonometric, and hyperbolic functions, and techniques of integration.

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Office Hours: Monday-Friday 9:30-10:20 a.m. In addition to my scheduled office hour, you may stop by at any time or make an appointment to meet with me. You may also contact me by email or phone. You are responsible for all course material; if you do not understand a concept or problem please don’t hesitate to ask a classmate, a tutor, or me.

Text: Calculus for Scientists and Engineers: Early Transcendentals, by Briggs, Cochran, Gillett, and Schulz. A MyMathLab access code is required for the course. You may choose to use only the interactive ebook through the access code or you may choose to purchase a hardcopy of the book to use along with the access code. This book is used for Math& 151, 152, 153, and 254. An access code purchased within the last two years IS still valid for this text. Students are expected to read and study the sections of the book that we cover.

Technology: In addition to MyMathLab we will use the mathematical software Mathematica. This software is installed on the computers in our classroom and in the Tutoring and Learning Center. WWCC has a site license that will allow students with a valid WWCC email address the use of Mathematica at home. Non-calculus computer activity as well as cell phone use are prohibited during class.

Email: Use your WWCC student email account to communicate with me electronically. This prevents your email from landing in my junk mail and I can easily identify the sender. Communicating within our own system provides confidentiality and a method for me to efficiently email the entire class. To activate your student email account, go to the WWCC Homepage, mouse over Quicklinks, and select Webmail.

Attendance: Daily, punctual attendance is expected. If you should miss a class, you are responsible for all announcements made concerning the course, for the material discussed in class, and for the homework assignment due the following day. Cell phone use (this includes text messaging) is not allowed during class. If you are using your phone during class, I will ask you to leave for the remaining portion of class—you will not be allowed to make up any missed points.
Homework: Homework will be assigned and collected in MyMathLab. For each section, you will have two homework assignments. The first is labeled “Practice” and the second is labeled “Skills Check.” All of the MyMathLab help options will be available for Practice problems however the help will be turned off during the Skills Check. The purpose of the Skills Check is to encourage you to solve problems independently, without reliance on the MML resources. Homework Practice will be worth 80 points and Skills Checks will be worth 40 points of your final grade. I will collect your written work for Practice and Skills Check problems (see Notebooks). Plan to spend a solid two hours every day reading, studying, and working through problems. I encourage you to work in groups and to obtain help from the Tutoring and Learning Center in Room 288. Keep in mind, in the end, YOU must understand the course material and to be able to solve problems independently.

Notebooks: Notebooks will be checked three times each quarter and will be worth 30 points of your final grade. The content in your notebook must be neat and organized by chapter and section. You must include: 1) worked out solutions to Practice problems, 2) worked out solutions to Skills Check problems, 3) all quizzes, and 4) exams and exam corrections. Complete your work on graph paper.

Quizzes: There will be unannounced quizzes during class. These will be worth 50 points of your final grade.

Exams: There will be three exams prior to the final, each worth 100 points. You must show all work on exams, including explanation in words where appropriate. If you must miss an exam for a WWCC-related function, contact me at least one week in advance in order to make proper arrangements. In the extremely rare case that you should miss an exam for other reasons, unless physically impossible, you must contact me before the exam in order to make arrangements to take the exam at another time. Cell phones, headphones, and sharing calculators are prohibited during exams.

Final Exam: The final exam is comprehensive and is worth 150 points. The final exam will be given Tuesday, March 19th at 10:30. Taking the final exam on a day other than that scheduled must be arranged in writing through the Vice President of Academic Education.

Evaluation: Your grade will be calculated by dividing the points you have earned by the points possible. Your grade will be determined from the following scale: A: 93-100, A-: 90-93, B+: 87-90, B: 83-87, B-: 80-83, C+: 77-80, C: 73-77, C-: 70-73, D+: 67-70, D: 60-67, F: 0-60

Notes: Academic dishonesty (cheating) is not tolerated and will result in a 0 grade. Do not hesitate to ask questions in class or in my office. It is essential that you consistently put forth the effort necessary to succeed, beginning today!

To request accommodations related to a disability, contact Claudia Angus, Ph.D.Coordinator of Disability Support Services, at 527-4262 or email claudia.angus@wwcc.edu.