Calculus III

Calculus III is the third in a sequence of four courses for students who are planning to major in engineering, mathematics, or the sciences. Topics include infinite sequences and series, parametric curves, vectors, and vector-valued functions.

**Instructor:** Julianne Connell Sachs  
**Office:** 15B  
**Phone:** 527-3662  
**Website:** http://web.wwcc.edu/juliannesachs

**Office Hours:** 8:30-9:20 Monday, Wednesday, and Friday in 15B and 1:30-2:20 Tuesday and Thursday in the TLC. 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: Early Transcendentals*, second edition 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 and the access code is valid for the life of the book. This course requires that you actively work through each section of the book that we cover—*your success depends on you taking responsibility for your learning and working toward true understanding.*

**Technology:** In addition to MyMathLab through CANVAS, access to graphing technology is required. The mathematical software *Mathematica* is installed on the computers in our classroom and WWCC has a site license that allows students with a valid WWCC email address free use of *Mathematica* on a personal computer; see the *Mathematica* announcement in our CANVAS classroom for details. You will not need access to graphing technology during exams; in fact, only a non-graphing scientific calculator will be allowed for testing.

**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 and select Student Email at the top of the page.

**Attendance:** Daily, punctual attendance with proper preparation is essential for success in this course. If you miss class, you are responsible for all announcements made concerning the course, for the material discussed in class, and for all assigned tasks. Cell phone use (this includes text messaging) is not allowed during class. *If you use your phone during class, you will be asked to leave for the remaining portion of class—you will not be allowed to make up any missed points.*
**Homework:** Homework consists of two parts: Practice (in MyMathLab) and Skills Check (on graph paper). The Practice exercises are found on the Homework tab in MyMathLab and help options are available as you work through the problems. The Skills Check exercises are selected from the textbook and must be submitted on graph paper in the required format (see HW Sample on the Course Documents tab in MyMathLab). *If your written work is not completed on graph paper and formatted as specified online, it will not be accepted.* Practices and Skills Checks will each be worth 500 points of your final grade. *No late homework is accepted,* however, your lowest Practice score and your lowest Skills Check score will be dropped at the end of the quarter. 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 244. Keep in mind, in the end, YOU must understand the course material and be able to solve problems independently.

**Notebooks:** I strongly recommend you keep a three-ring binder with all of your course materials. The content in your notebook should be neat and organized and should include: 1) notes from working through the textbook, 2) worked out solutions to Practice and Skills Check exercises, 3) all quizzes, 4) exams and corrections, and 5) class notes and handouts.

**Exams:** There are 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 to make proper arrangements to take the test ahead of time. *There are no late exams.* You will be given the opportunity to replace your lowest exam score with the score you earn on the corresponding material on the final exam; thus, if you miss an exam, the zero score will be replaced. Cell phones, headphones, graphing calculators, and sharing calculators are prohibited. Earplugs are allowed.

**Miscellaneous:** Quizzes and other activities will be worth 100 points of your final grade. There is no opportunity to make-up missed quiz or activity points; however, your lowest quiz score will be dropped.

**Final Exam:** The final exam is comprehensive and is worth 150 points. The final exam will be given Friday, June 12, 10:30-12:30. Taking the final exam on a day other than that scheduled must be arranged in writing through the Vice President of Instruction.

**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: 70-77, D+: 67-70, D: 60-67, F: 0-60.

**Notes:** 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. 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 and the put in the practice necessary to succeed, beginning today. You learn math by doing math!