Precalculus II

Precalculus II is the second in a series of two precalculus courses. Graphical analysis of concepts is emphasized through the use of technology. Topics include unit circle and triangle trigonometry, algebraic and graphical analysis of trigonometric and inverse trigonometric functions, applications of trigonometric functions, vectors, parametric equations, polar coordinates, and conic sections.

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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:** *Precalculus* by Schulz, Briggs, and Cochran. This text is interactive and electronic; *MyMathLab* access is required to use the book and complete the assignments. A previously purchased access code for this book is valid for the life of the edition. If you have not yet purchased an access code, you may choose to purchase only the access code and print the Explorations & Notes yourself or you may choose to purchase the printed Explorations & Notes bundled with the access code. This course requires that you actively work through each section of the book that we cover—your success depends on you taking control of your learning and working toward true understanding.

**Technology:** In addition to *MyMathLab*, 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 will allow students with a valid WWCC email address free use of *Mathematica* on a personal computer. If you are looking for a free online graphing utility, I recommend Desmos. Non-precalculus 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 and select Webmail at the top of the page.

**Attendance:** Daily, punctual attendance with proper preparation is essential for success in this course. To prove you have prepared for the class, present the assigned Explorations & Notes at the beginning of class. If you should miss a 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 will be assigned and submitted 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 MML resources. Practices will be worth 40 points and Skills Checks will be worth 20 points of your final grade. Submit your written work for the Practice and Skills Check problems the day after the assignment is due; written work will total 40 points of your final grade. *If your written work is not completed on graph paper and formatted as specified online, it will not be accepted. No late homework is accepted;* however, I will drop your lowest two homework scores 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 to 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) completed Explorations & Notes, 2) worked out solutions to Practice and Skills Check problems, 3) all quizzes, 4) exams and corrections, and 5) class notes and handouts.

**Quizzes:** Quizzes, announced and unannounced, will be worth 100 points of your final grade. *No late quizzes will be given;* however, your lowest quiz score will be dropped.

**Explorations & Notes:** Explorations & Notes guide you through each section of the book. You are required to complete the designated Explorations & Notes by the beginning of class; *no late E&N’s will be accepted.* Explorations and Notes will be worth 50 points of your final grade.

**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. In the extremely rare case that you should miss an exam for other reasons, unless physically impossible, you must contact me before the exam to request approval to take the exam at another time. Cell phones, headphones, and sharing calculators are prohibited.

**Final Exam:** The final exam is comprehensive and is worth 150 points. The final exam will be given Thursday, June 12, 8:30-10:30. 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 necessary to succeed, beginning today. Remember, you learn math by doing math!