MA110 Pre-Calculus Fall 2013

Instructor: Sheryl Dohm Office: 123D Henry Hall
Email: sheryl.dohm@chaminade.edu Phone: 739-8561 (but email is best)

Office Hours: Tues 1:30-2:30 or by apt

Text: Pre-calculus: Concepts through Functions: A Right Triangle Approach to Trigonometry Sullivan & Sullivan (Custom Edition for Chaminade University)

Prerequisites: MA103 or placement

Grading: The course grade will be based on

Quizzes	20%
Exams (4)	60%
Final Comprehensive Exam	20%

-with the following cutoff A=86-100%, B=76-85%, C=61-75%, D=51-60%, F<51
-no extra credit will be offered

Attendance: You are responsible for all material that is covered in class. If you should miss a class (excused or unexcused), it is your responsibility to arrange with a classmate to obtain the notes for the day, and prepare yourself for any quizzes or exams for the next class. Please read the university catalog and Student Handbook about university requirements for class attendance in regards to grade and continued enrollment.

Quizzes: Quizzes will be given most Fridays. The quiz will start at the beginning of class. If you are late, please wait outside of the classroom until the quiz is over. No make-up quizzes will be given. Your two lowest quiz grades will be dropped.

Exams: Four Regular Exams will be given: at the end of the semester, the lowest score will be dropped. There will be no make-up exams except for special cases (serious illness, etc.) for which verification will be required. You must take the comprehensive Final Exam to pass the class: the final may not be dropped.

Music Devices and Cellphones: Use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes at Chaminade University, unless specifically permitted by your instructor. Use of cellphones and music devices in laboratories is a safety issue. In addition, use of cellphones and music devices in any class is discourteous and may lead to suspicion of academic misconduct. Students who cannot comply with this rule will be asked to leave class and may be subject to laboratory safety violation fines. Please refer any questions to the Dean of Natural Sciences and Mathematics.

ADA Accommodations: Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from the CUH Counseling Center (Dr. June Yasuhara; phone 735 4845) by the end of week three of the class, in order for the instructor to plan accordingly. Failure to provide written documentation will prevent your instructor from making the necessary accommodations. Please refer any questions to the Dean of Students and review the procedures at http://www.chaminade.edu/student_life/sss/counseling_services.php.

Schedule (may change with notice)

Week 1: 26 – 30 August
Assessment
F 1 & 2 Distance/Midpoint Formulas
F3 Lines
Week 2: 2 – 6 September (Monday Holiday)
2.1 & 2.2 Lines continued
F 4 Circles
Week 3: 9 – 13 September
1.1 & 1.2 Algebraic and graphical aspects of functions
1.3 Special properties of functions
Week 4: 16 – 20 September (4th week grades due) **Exam 1**
1.4 Library of Functions
2.3 & 2.4 Geometry (parabolas) & algebra (standard form) of quadratic functions
2.5 Quadratic Inequalities
Week 5: 23 – 27 September
2.6 Quadratic Modeling
3.1 & 3.5 Geometry and algebra of polynomial functions
Week 6: 30 September – 4 October **Exam 2**
3.2 & 3.3 Rational Functions
Week 7: 7-11 October
4.1 & 4.2 Functions: composite/inverse
4.3 Exponential functions
Week 8: 14 – 18 October (Monday Holiday)
4.4 & 4.5 Logarithmic functions
Week 9: 21 – 25 October **Exam 3**
4.6 Log. and exp. equations
5.1 Angles
Week 10: 28 October – 1 November
5.2 & 5.3 Right triangle trig
5.4 & 5.5 Trig function of any angle & Unit Circle approach
Week 11: 4-8 November
5.6 & 5.8 Graphs of Sine, Cosine, and sinusoidal curves
5.7 Graphs of other trig functions
Week 12: 11 – 15 November (Monday Holiday)
6.1 & 6.2 Inverse Trig functions
Week 13: 18-22 November
6.3 Trig Equations
6.4 & 6.7 Trig identities **Exam 4**
Week 14: 25 – 29 November (Friday Holiday)
Ch 7 Solving right Triangles
Week 15: 2 – 6 December
Solving right Triangles continued
Review