De Anza College Spring 2016 PSME Division

MATH 41- Pre-Calculus I - Theory of Functions

Instructor: Winnie Wong, PhD

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Class: M-F, 10:30 AM – 11:20 AM, Room G7

Office Hours: M-F, 9:20 AM – 9:30 AM, Rm G4

M-F, 11:20 AM – 11:30 AM, Rm G7

Communication Tool: MyPortal.fhda.edu. Please check frequently for most updated information regarding the class. I will also upload written HW, test solutions, and useful links there. You can email me with any questions or concerns. Please note that for your protection, I do not release or discuss any personal information, including student's grade, via phone or email.

Prerequisite: Prerequisite: MATH 114 or equivalent (with a grade of C or better); or a satisfactory score on the College Level Math Placement Test within the last calendar year. Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

Textbook: Precalculus with Limits, Ron Larson, Third Edition, 2014, Brooks/Cole.
I will be assigning the online portion of the HW through WebAssign. If you feel that an online e-book is sufficient, there is no need to purchase an actually textbook.

Calculator: A graphing calculator (e.g. TI-83 or TI-84) is recommended, but not required. Symbolic calculators (e.g. TI-89 or TI-92) are not allowed on exams or quizzes. Cell phone calculators are not allowed on exams or quizzes. You may also try the online graphing tool at desmos.com in place of your graphing calculator when studying or doing your HW. It gives much better resolution.

Description: This course, together with Math 42 and Math 43, is designed to prepare students for the study of calculus. Topics include polynomial functions, rational functions, exponential and logarithmic functions. Conceptual understanding and problem solving will be emphasized throughout the course.

SLO: Upon completion of this course, the student will be able to
1. Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
2. Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

Attendance: Students are expected to attend all classes on time and to stay for the entire class period. Any student who misses more than two classes during the first two weeks of the quarter may be dropped by the instructor. If a student decides not to continue the course, it is the student's responsibility to drop or withdraw by the official college deadlines. Failure to do so may result in a grade of F for the course.

Commitment: Students are expected to commit five (5) hours coming to lectures each week. Adequately prepared **student are also expected to spend about ten (10) HOURS PER WEEK outside of class** studying, preparing/reviewing for tests, and completing homework (online and written). Students should prepare for the class sessions by reading the appropriate section listed in the calendar before class. Students who choose not to commit the necessary time and effort will be unlikely to succeed in this course.

Homework: Homework will be assigned each class day and collected at the beginning of the next class day. Late homework will NOT be accepted. I will, however, be happy to accept homework early if you know that you will not be able to make it to class. Homework assignments consist of problems from the textbook. There are two parts to the homework. An online part and a written part. The online homework is hosted online at **www.webassign.com.** The course ID is **foothill 5746 4883.** Students should check the website periodically for assignment due dates. You can obtain more information on how to register into this class online at http://www.webassign.net/manual/student_guide/c_s_enrolling_class.htm. In addition, there are three to four written homework given throughout the quarter. The written HW aims to train your skills to articulate your thoughts on paper in an organized and logical manner. The expectation on the written HW will be given to you when they are assigned.

Quizzes: Five 30-minute quizzes will be given based on class work and homework assignments. Quizzes are closed book and closed notes. You may use a calculator during your quiz (see restrictions in the Calculator section). Other electronic devices are not allowed. I will drop the quiz which has the lowest score. If you are absent from a quiz, your quiz will be assigned a score of zero. **There are no early or makeup quizzes.**

Exams: There will be three 50-minute exams. Exams are closed book and closed notes. You may use a calculator during your quiz (see restrictions in the Calculator section). Other electronic devices are not allowed. If you are absent from a midterm, your midterm will be assigned a score of zero. **There are no early or makeup tests.** I will dropped the exam with the lowest score.

Final Exam: The final exam will be given on **Thursday 9:15-11:15 a.m. during final week**. You may use a calculator during your quiz (see restrictions in the Calculator section). Other electronic devices are not allowed. The final exam is closed book and closed notes. If you cannot make it to the final exam in person, you will receive an F grade in this course. If you have a conflict with this exam date or time, please drop the class and enroll in another session. Final exam includes Chapters 1 through 3, 10.2 – 10.4. **There is no early or make up final exam.**

Grades: The course grade consists of:

		90 % and above	A
Homework	16% (12% online; 4% written)	80 % to 89.99 %	B
Quizzes (4 – 6% each)	24%	70 % to 79.99 %	C
Midterms (2 – 15% each)	30%	60 % to 69.99 %	D
Final exam	30%	Below 60 %	F

The course grade is performance based. There will not be extra credit assignments available.

Incomplete: A grade of incomplete will only be given if a student has at least a C average in the course work up to the time the incomplete is requested but some portion of the course remains unfinished because of serious illness or for some other reason over which the student has no control. The reason for requesting the incomplete must be documented.

Dropping: Students must drop by a certain date for a refund of fees – check the De Anza website for information. **Students on the final class roster who have not dropped and who do not show up for the final exam will receive an F in the course.** It is your responsibility to make sure you have completed the drop process and are dropped from the class if you choose to do so.

Tutoring: The Math and Science Tutorial Center (S43) offers free individual and group tutoring. Please take advantage of these free services. Tutorial assistance often means the difference between students earning a passing or failing grade. Dot not hesitate to come to my office hours to discuss a homework problem or any aspect of the course.

Academic Honesty:

Students are responsible for keeping themselves informed of the College policy on academic integrity. Refer to www.deanza.edu/studenthandbook. Cheating will not be tolerated and can result in receiving a zero on the quiz/exam or an F for the course and being reported to the Dean of Students for possible disciplinary action.

Accommodations for Disabilities:

Disability Support Services (DSS) provides support services for students with disabilities. For more information or to make an appointment to request services, contact DSS at 408-864-8753.

Tentative Calendar Spring 16:

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	Syllabus, 1.2	1.2	1.3	1.4	1.5
2	1.6	1.7	1.8	1.9	Wrap up week 2 **Quiz #1**
3	1.10	Review A5 Solving Equations	Review A5 Solving Equations	Exam Review	**Exam #1**
4	Review A6	2.1	2.1 word problems	2.2	Talk about Exam 1
5	2.2 word problems	2.3	2.3	2.4	Wrap up week 5 **Quiz #2**
6	2.5	2.5	2.5	Exam Review	**Exam #2**
7	2.6	3.1	3.1 word problems	3.2	Talk about Exam 2
8	3.3	3.4	3.5	Chapter 3 word problems	Wrap up week 7 **Quiz #3**
9	**Holiday**	10.2	10.2	Exam Review	**Exam #3**
10	10.2	10.2	10.2	10.3	Talk about Exam 3
11	10.4	10.4	Final Review	Final Review	**Quiz #4**
12				**Final Exam**	

Please note that this is only a tentative course schedule. When there is a modification to this schedule, you will be notified during class time as well as on the portal.

Note that there will be assigned online HW on A1-A4, 1.1, and 2.4. These are topics that has been covered in Algebra classes.