Syllabus: Math 41 (Section 5), Fall 2015

Instructor: Dr. Bill Wilson
Office Hours: 10:30-11:30 Tuesday, Thursday in E37; Monday2:45-3:45 in E37
Email: wilsonwilliam@fhda.edu   Phone: 408-309-3956

Required Materials: Precalculus with Limits (3rd edition) by Ron Larson
                                 Graphing calculator (not needed or allowed on exams)

Student Learning Objectives:

- Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
- Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

Course Objectives:
A. Examine the definition of a function and investigate the implications and properties of this
concept
B. Explore graphs of functions of the form $y = f(x) = x^p$
C. Create new functions from existing functions
D. Graph and analyze exponential and logarithmic functions and solve related equations
E. Graph and analyze polynomial functions and solve related equations and inequalities
F. Graph and analyze rational functions and solve related equations and inequalities
G. Graph and analyze conic sections in rectangular coordinates
H. Examine the logic of conditional and bi-conditional statements as they appear in mathematical statements

Homework: Homework will be assigned most classes. Late homework will generally not be accepted.

Exams: Three exams will be given plus the final exam. There will be no makeups. If an exam is missed because of a valid excuse, an equivalent of the final exam score will be used as the score for the missed exam.

Quizzes: Regular quizzes will be given. You may correct and resubmit two quizzes for a higher score.

Final Exam: A comprehensive final exam will be given on 12/9/15 9:15-11:15 a.m.

Accomodations: Students requiring accommodations are welcome in this class. Please notify me immediately if you have special learning requirements. We need to make arrangements with DSS as soon as possible. Go to https://www.deanza.edu/dss/ for more information.

Grading: 3 midterms @ 15% = 45%
                 homework and class work: 10%
                 quizzes: 15%
                 final exam: 30%

Scale: A+: 97+   A: 93+   A-: 90+
                 B+: 87+   B: 83+   B-: 80+
                 C+: 77+   C: 70+
                 D: 60+
                 F: < 60

ESL: If English is a second language, a print English translation dictionary is allowed for exams/quizzes

Important Dates:

Saturday, Oct. 3 : Last day to add quarter-length classes. Add date is enforced.

Sunday, Oct. 4 : Last day to drop for a full refund or credit (for 12-weeks, quarter-length classes).

Sunday, Oct. 4 : Last day to drop a class with no record of grade. Drop date is enforced.

Friday, Oct. 16 : Last day to request pass/no pass grade. Request date is enforced.

Friday, Nov. 13 : Last day to drop with a "W." Withdraw date is enforced.

Expectations of Students:
1. **Academic dishonesty will not be tolerated.** If a student is found cheating on an exam or quiz, he or she will receive a 0 for the item. Repeated instances of cheating may lead to failing the course and further action.
2. **Showing your work.** You need to show your work on homework and exams to receive full credit.
3. **Respect you fellow students.** Silence cell phones and tablets in class.