DeAnza College

MATH 41 - 04 Precalculus I: Theory of Functions
Spring 2019 MTWThF 08:30 AM - 09:20 AM, Room E34, CRN 44510
Email: rashidnahrin@fhda.edu, Office Phone: 408-864-8201
Office Hours: S33s Tuesday & Thursday 12:30 – 2:15 PM
Instructor: Nahrin Rashid

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.

Course Description: Polynomial, rational, exponential and logarithmic functions, graphs, solving equations, conic sections.

Textbook: Precalculus with Limits; 3rd edition, by Ron Larson. ISBN: 978-1133947202

Calculator: A basic scientific calculator is required for this class such as Texas Instruments TI30XIIS Scientific Calculator. Cell phone calculators are not allowed during quizzes or exams.

Software: All homework will be done online using WebAssign. You will need to register at www.webassign.net to use this internet-based software. You will need the class key given by me in order to self-register.

Tutoring Services: Do not wait to get extra help. Contact either instructor via email or in person. The De Anza campus has a tutorial center for math students where students can get "drop in" help. Students can also register to have a regular, assigned tutor for help throughout a quarter. The tutoring center is located in room S43.

Student Conduct: Students are expected to be honest and ethical at all times in the pursuit of academic goals. Do not cheat. If you have a question during a test, you are only allowed to talk to the instructor. Anyone caught cheating on an exam will receive an automatic 0 and be reported to the Dean of the PSME Division. You can be expelled from the class and possibly from De Anza College with a grade of F if you are caught cheating.

Classroom Behavior: Math requires singular focus. I will expect your full attention during lecture and class activities. Please show courtesy for me and your fellow classmates by turning off and putting away your cell phone during class time, especially during exams. Please do not take calls or text message during class. Do not talk while fellow classmates or I are talking. Students who engage in disruptive classroom behavior will be warned by the instructor. If the disruptive behavior continues, students may eventually be dropped from the course.

Disability-Related Accommodation: If you feel that you may need an accommodation based on the impact of a disability, you should contact me privately to discuss your specific needs. Also, please contact Disability Support Services (864-8753) or Educational Diagnostic Center (864-8839) for information or questions about eligibility, services and accommodations for physical (DSS), psychological (DSS) or learning (EDC) disabilities.

Time Management: You should expect to spend at least 2 hours outside of the classroom for every 1-hour inside the classroom. This time outside of the classroom may include homework, reviewing notes, studying, and attending office hours. If you want to be successful in this class you will need to put time and effort into it.

Attendance: Students are expected to attend every class meeting. Make sure you sign the attendance roster at each class meeting. If you miss a day, it is solely your responsibility to seek out another student or myself to find out what you missed. You cannot expect to do well in the class if you fail to attend lectures.

Homework: Homework will be assigned every class meeting online and will have a due date. All homework must be submitted by 11:59PM on the due date. You must set up an account by Monday, April 15, 2019 or you will be dropped from the class**.** If you have a homework problem you were not able to complete, you have the next class session to ask by putting the problem on the board. At the end of the quarter your lowest homework score will be dropped. Homework will count for 15% of your term grade. Please do not procrastinate!

Quizzes: There will be a quiz every week. Each quiz will be assigned online or in-class intermittently throughout the term to test your skills on the concepts we are covering in class and online. **NO** make-up quiz will be given. To compensate for this, I will drop your lowest quiz score. These quizzes will count for 10% of your grade.

Midterms: I will give four in class exams during the quarter. No notes will be allowed on any exams. These exams will be completed in class and will contain the materials covered in the lectures, online, and in the book. If you are unable to take an exam for any reason, **a makeup exam will not be given**. In the case of a documented emergency, I will replace a missing exam score with your final exam score. These exams will count for 50% of your term grade.

Final Examination: If you do not take the final exam, you **WILL NOT** receive a passing grade. There will be a comprehensive final examination on **Wednesday June 26 from 7:00 AM - 9:00 AM.** This test will count for 25% of your term grade.

Grade Breakdown:

A+: 97 - 100%	B+: 87 - 88%	C+: 77 - 78%	D: 62 - 66%
A: 92 - 96%	B: 82 - 86%	C: 69 - 76%	D-: 60 - 61%
A-: 89 - 91%	B-: 79 - 81%	D+: 67 - 68%	F: < 60%

Important Dates:

- The last day to add classes is Saturday, April 20.
- The last day to drop for a full refund and no record of "W" is Sunday, April 21.
- The last day to request pass/no pass grade is Friday, May 3.
  The last day to drop with a "W" is Friday, May 31.

Tentative Schedule for Math 41, Spring 2019

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	April 8 Syllabus	April 9 Appendix A.5	April 10 Appendix A.5	April 11 Appendix A.6	April 12 Appendix A.6
2	April 15 Appendix A.6	April 16 Section 1.2	April 17 Section 1.3	April 18 Section 1.4	April 19 Section 1.4
3	April 22 Section 1.5	April 23 Section 1.5	April 24 Section 1.6	April 25 Section 1.6	April 26 Section 1.7
4	April 29 **Exam 1 (A.5, A.6, 1.2-1.5)**	April 30 Section 1.7	May 1 Section 1.8	May 2 Section 1.8	May 3 Section 1.9
5	May 6 Section 1.9	May 7 Section 1.10	May 8 Section 2.1	May 9 Section 2.1	May 10 Section 2.2
6	May 13 **Exam 2 (1.6 – 1.10)**	May 14 Section 2.2	May 15 Section 2.3*	May 16 Section 2.5	May 17 Section 2.5
7	May 20 Section 2.6	May 21 Section 2.6	May 22 Section 2.6	May 23 Section 2.7	May 24 Section 2.7
8	May 27 **Memorial Day**	May 28 Section 3.1	May 29 Section 3.1	May 30 Section 3.2	May 31 **Exam 3 (2.1 – 2.7)**
9	June 3 Section 3.2	June 4 Section 3.3	June 5 Section 3.3	June 6 Section 3.4	June 7 Section 3.4
10	June 10 Section 3.5	June 11 Section 3.5	June 12 Section 10.2	June 13 Section 10.2	June 14 Section 10.3
11	June 17 **Exam 4 (3.1- 3.5)**	June 18 Section 10.3	June 19 Section 10.4	June 20 Section 10.4	June 21 Final Review
12	June 24 No class	June 25 No class	June 26 **Final Exam 7:00 – 9:00 AM**	June 27 No class	June 28 No class

This syllabus is subject to change at the instructor's discretion.

In §2.3, synthetic division is optional*

<u>Student Learning Outcome(s):</u>

*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.