Math 41-13Q Pre-calculus I: Theory of Functions with Algebra support Winter 2020

Instructors NADIA BENSIDI

Days and Time Tuesday, Wednesday and Thursday 11 am-1:15 pm Room S 17

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Office Hours Tuesday and Wednesday 9:30-10:20pm Office E-36

# READ THROUGH THIS ENTIRE SYLLABUS SO THAT YOU ARE FAMILIAR WITH THE CLASS AND ITS MANY DETAILS.

Note This course is to help students master the material taught. It has an additional component that consists of going over Algebra topics necessary to better understand the material covered in Pre-calculus I.

Prerequisite: Passing grade (C or better) in Intermediate Algebra or placement exam. Advisory: English Writing 211 and

Reading 211 (or Language Arts 211), or English as a Second Language equivalent courses.

Attendance: You are expected to attend all classes. Tardy counts as half an absence. You are considered tardy if you come to

class after the attendance has been taken. Also leaving the class early will count **as half an absence**. If you accumulate three absences you will be dropped from the class. Please inform me by email if you are going to be absent and the reason for it. YOU MUST BE IN CLASS EVERY DAY FOR THE FIRST TWO WEEKS OF

CLASS OR YOU MAY BE DROPPED.

**Textbook:** Precalculus from OpenStax available online at <a href="http://openstax.org/details/books/precalculus">http://openstax.org/details/books/precalculus</a>. You can use

the book online or download a pdf file.

### Related Materials: You need to buy a course material available in the De Anza bookstore.

Quizzes: Several quizzes will be given, worth 10 points each. The lowest quiz grade will be dropped. No make-ups are

given.

**Group work:** They are activities in your course packet. Some of them will be collected and graded. You will turn in one paper

per group. No make-ups or late papers will be accepted.

**Homework:** The Homework is mandatory. The Homework will be available and graded online at WebAssign

(http://webassign.net). You will need to purchase a code to access the Webassign homework. The lowest score will

be dropped.

**Exams:** Three exams will be given worth 50 points each. They are closed book, closed notebook.

Final Exam\*\*: A two-hour comprehensive exam will be given worth 100points. If you miss the final exam, you will receive an F

for the course. Finals must be taken at scheduled time during finals week.

\*\* The final exam counts as two test exams. Therefore they are like five exams and the lowest exam score will be dropped.

#### **Grades:**

Homework	50pts			
Quizzes	50pts	A+:	96% and above	A: 90%-95%
Group work	30pts	B+:	86%-89%	B: 79%-85%
Exams	100pts	C+:	76%-78%	C: 68-75%
Final**	100pts	D:	60-64%	D+: 65%-67%
TOTAL:	330pts	F:	below 60%	

#### Miscellaneous

Take-home papers will not be graded unless they are **STAPLED** (no doggy-ears/folded corners, or paper clips) before class. All papers turned in must be NEAT to earn full credit.

CELL PHONES, Any electronic device (except your calculator) must be turned off and put away during class. Absolutely no noise from them If one goes off during a quiz or exam, you WILL HAVE your paper taken from you.

Tutors are available in S-43, the math and science tutoring center. Go to S-43 to sign up for tutoring. Students are encouraged to form study groups. Go to S-43 for help in creating a group with a tutor.

Papers are due by the start of class on the due date. They may be turned in earlier, but THEY WILL NOT BE ACCEPTED LATE.

#### Your grade is based on points and not a "curve."

#### We expect you to answer word problems and questions with complete English sentences.

CHEATING WILL NOT BE TOLERATED. If anyone is caught cheating, he or she will pay the consequences. That includes the possibility of being expelled from the college.

#### **Student Services:**

http://www.deanza.edu/studentservices/

De Anza College has many support services to help you succeed in college. This web site leads you to information about financial aid, child care, counseling, academic support, disability support, student activities, and other services that are here for you. The physical location for most of these services is in the Student Community Services Building.

## TENTATIVE WINTER SCHEDULE 2020

Instruction   Begins 1.1   1.1/1.2   1.2   Quiz1     JAN		MONDAY	TUESDAY	WEDENESDAY	THURSDAY	FRIDAY
Begins 1.1   Quiz1	JAN	6	7	8		10
JAN         13         1.3/1.4         14         1.4/1.5         15         16         1           JAN         20         1.6/1.7         21         REVIEW and DISCUSSION         22         Exam 1           OCT         27         28         2.2/3.1         3.1/3.2         Activity           FEB         3         3.3         4         5         Quiz 3         6           FEB         10         3.6/3.7         3.8         3.9         Activity           FEB         17         REVIEW and DISCUSSION         Exam 2         4.1/4.2         20         2           FEB         24         4.2/4.3         4.3         4.4         Quiz 4         2           MAR         3         4         4.6         5         4.7         Quiz 5           MAR         10         11         10.2         10.3         Quiz 6           MAR         17         18         19         10.3         Quiz 6           MAR         24         25         26         27         20           MAR         24         25         26         27         20			Instruction	1.1/1.2	1.2	
1.3/1.4			Begins 1.1		Quiz1	
JAN   20	JAN	13	14	15	16	17
DAN   20			1.3/1.4	1.4/1.5	1.6	
1.6/1.7   REVIEW and DISCUSSION   Exam 1						
OCT         27         28         29         30         3           FEB         3         4         5         6         0uiz 3         3.5/3.6         1           FEB         10         11         12         13         1 </td <td>JAN</td> <td>20</td> <td></td> <td></td> <td>23</td> <td>24</td>	JAN	20			23	24
OCT         27         28         2.2/3.1         29         3.1/3.2         30         3           FEB         3         3.4         5         Quiz 3         3.5/3.6         12         13         1           FEB         10         3.6/3.7         18         12         13         1         1         1           FEB         17         18         Exam 2         19         20         2         2         2         4.1/4.2         20         2         2           FEB         24         4.2/4.3         25         4.3         4.4         Quiz 4         4.4         Quiz 5         4.7         Quiz 5         6         4.7         Quiz 5         10.3         Quiz 6         10.3 <td></td> <td></td> <td>1.6/1.7</td> <td></td> <td>Exam 1</td> <td></td>			1.6/1.7		Exam 1	
Section   Sect						
FEB         3         4         5         6           FEB         10         11         3.4         5         Quiz 3         3.5/3.6           FEB         10         11         3.8         12         13         1           FEB         17         REVIEW and DISCUSSION         Exam 2         19         4.1/4.2         20         2           FEB         24         25         26         27         4.4         Quiz 4         4.4         Quiz 4         4.4         Quiz 5         4.6         4.7         Quiz 5         10.3         Quiz 6         10.3         Quiz 6         10.3         Quiz 6         20         PINAL REVIEW         Activity         10.3         Quiz 6         10.3         10.3         Quiz 6         10.3         10.3         Quiz 6         10.3	OCT	27				31
FEB         3         4         5         Quiz 3         6           3.3         3.4         5         Quiz 3         3.5/3.6           FEB         10         11         3.8         12         13         1           FEB         17         18         19         20         2           REVIEW and DISCUSSION         19         20         2           MAR         3         4         4.3         4.4         4.4           Quiz 4         4.5         4.6         4.7         4.7         4.7           Quiz 5         4.6         4.7			2.1	2.2/3.1		
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FEB	FEB	3				7
FEB         10         3.6 /3.7         3.8         12         13         1           FEB         17         18         Exam 2         19         20         2           REVIEW and DISCUSSION         Exam 2         4.1/4.2         27         4.1/4.2           FEB         24         25         4.3         44         4.4         Quiz 4           MAR         3         4         4.6         4.7         Quiz 5           MAR         10         11         10.2         10.3         Quiz 6           MAR         17         18         Exam 3         19         20         FINAL REVIEW           MAR         24         25         26         27         22			3.3	3.4		
Signature   Sign						
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FEB         17         18 DISCUSSION         Exam 2         19 A.1/4.2         20 A.1/4.2         22 A.1/4.2           FEB         24 A.2/4.3         25 A.3			3.6 /3.7	3.8		
REVIEW and DISCUSSION         Exam 2         4.1/4.2           FEB         24         25         26         27           4.2/4.3         4.3         4.4         Quiz 4           MAR         3         4         4.6         4.7         Quiz 5           MAR         10         11         10.2         12         13           MAR         17         18         19         20           REVIEW and DISCUSSION         Exam 3         FINAL REVIEW           MAR         24         25         26         27         22	FED	1.5	10	10		21
DISCUSSION           FEB         24         25         26         27           4.2/4.3         4.3         4.4         Quiz 4           MAR         3         4         4.6         4.7           Quiz 5         4.6         4.7         Quiz 5           MAR         10         11         10.2         10.3           Quiz 6         Quiz 6         17         18         Exam 3         FINAL REVIEW           MAR         24         25         26         27         22	FEB	17				21
MAR       3       4       5       6         MAR       10       11       10.2       10.3       10.3         MAR       17       18       Exam 3       19       20       FINAL REVIEW         MAR       24       25       26       27       22				Exam 2	4.1/4.2	
MAR       3       4       5       6         4.5       4.6       4.7       Quiz 5         MAR       10       11       12       13         10.1       10.2       10.3       Quiz 6         MAR       17       18       Exam 3       FINAL REVIEW         DISCUSSION       26       27       27	FEB	24	25	26	27	28
MAR       3       4       4.6       5       4.7       6         MAR       10       11       12       13         10.1       10.2       10.3       Quiz 6         MAR       17       18       Exam 3       FINAL REVIEW         DISCUSSION       26       27       22			4.2/4.3	4.3	4.4	
MAR         10         11         12         13           10.1         10.2         10.3         Quiz 6           MAR         17         18         Exam 3         FINAL REVIEW           MAR         24         25         26         27         2	MAR	3				7
MAR         10         11         10.2         12         13         10.3         10.3         Quiz 6         Quiz 6         17         18         Exam 3         19         20         FINAL REVIEW         FINAL REVIEW         10.3			4.5	4.6		
10.1   10.2   10.3   Quiz 6						
MAR         17         18         19         20           REVIEW and DISCUSSION         Exam 3         FINAL REVIEW           MAR         24         25         26         27         2	MAR	10				14
MAR         17         18         19         20           REVIEW and DISCUSSION         Exam 3         FINAL REVIEW           MAR         24         25         26         27         2			10.1	10.2		
MAR 24 25 26 27 2						
DISCUSSION	MAR	17	_ ~			21
				Exam 3	FINAL REVIEW	
FINAL EXAM	MAR	24	25	26	27	28
I II WAR IN			FINAL EXAM			
11:30-1:30PM			11:30-1:30PM			

 Last day to add:
 01/18/2020

 Last day to drop with No Record:
 01/19/2020

 Census Day:
 01/21/2020

 Last day to request pass/no pass:
 01/31/2020

 Last day to drop with W
 02/28/2020

The class key for Webassign is: deanza

# **Student Learning Outcome(s):**

\*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.