

## **Janak's Syllabus -Mathematics Department**

**De Anza College- Fall 2019**

**Pre-Calculus—Math 41.23 & Math 41.27. Instructor: Mrs. Nirmala Janak;**

**e-mail: [janaknirmala@fhda.edu](mailto:janaknirmala@fhda.edu)**

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**Math 41.23 (T TH 1:30pm); Class-Room: G-7;**

**Math.41.27 : (T TH 4 pm); Class-Room: G-9**

**Office Hours: M & W : 1 - 1.30 pm and 3.30-4 pm (Room number will be given later)**

### **Course Description:**

Topics include: Functions –linear, polynomial, rational, exponential, logarithmic– and their graphs; solving equations and applications associated with each of those functions.

**Course Text** : Pre-Calculus with Limits –3<sup>rd</sup> Ed., Larson; A graphing calculator (TI-83/84/86) is required. Author's tutorial help is available at [www.larsonprecalculus.com](http://www.larsonprecalculus.com)

**Pre–requisite:** Math 114 with a C or better

**\*ATTENDANCE :** Attendance is strongly emphasized. Since mathematics is cumulative in nature, attendance at all classes is expected. Students should be aware of appropriate drop dates. When you are absent, it is your responsibility to get the notes from other students who attend this same class. **Your classmates are your great resource.**

**\*\*\*\*\*It is strongly suggested that you get the names and email/phone numbers of several students in in the class so that you may contact others for any missed assignments , should you be absent.**

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**DO's :**

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**Note: 1. It is the student's complete responsibility to drop this class when the student cannot continue the course for any reasons. If a student is absent more than two times consecutively and that too without prior intimation, he/she will be dropped by me.**

**Note: 2. Every student MUST bring 1) Text book ; 2) A graphing calculator (TI-83/84/86) 3) Writing material /pencil 4. A RED PEN every day to the class.**

**Note: 3. Feel free to approach me about any of your problems at any time through email. I am email active, so will give u reply in 24 hours.**

**Note: 4. Keep all your graded material until the end of the class in case the COMPUTER file is lost**

**Note: 5 As soon as you enter the class after taking the text book, pen/pencil, Calculator and writing material, keep the backpack along with your other personal things including your cell phone, next to the wall(where the board is there). I walk in between the rows so I need space to move to reach each student.**

**Note: 6 . Come on time to the class. If you are late you will miss the quiz.**

**Note: 7. Write an email to me prior to your absence the reason for your absence, if you have to miss a class.**

**Note: 8. If you miss a class, go to student Tutoring center for tutoring help. (The Instructor( that is me) will ONLY help after you have taken help from the student tutoring Center for the missed topic.**

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**DON'Ts :**

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- 1. You cannot use Cell phone in place of a Calculator. All Cell phones should be in your backpacks.**
- 2. Without prior intimation to the Instructor or permission from the Instructor Do not leave the class.**
- 3. A restroom break will be given in the middle, so be on time after the break to the class. Do not be late to the class, it disturbs the students. The door will be closed ater the break.**

**Useful Info:**

**Student Services :** Click on the link <http://www.deanza.edu/student-services/> for information about financial aid, childcare, counseling, academic support, disability support, student activities and other services provided by the college. Note: Those needing accommodations based on the impact of a disability must contact the Disabled Students Services directly.

**Free Tutoring:** The Math Tutoring Center in Room S4 offers free tutoring on Mondays, Thursdays from 9 : 00A.M.-5 : 30P.M. I strongly encourage you to utilize this resource. More information can be found here: <http://www.deanza.edu/student-success/mstrc/>

**Supplemental Resources:** I encourage you to poke around the library and web to see what other supplemental resources exist. One great resource is the following link: <http://tutorial.math.lamar.edu/Classes/Alg/Alg.aspx>

**Another useful online math learning resource is Khan Academy ([www.khanacademy.org/math](http://www.khanacademy.org/math)).**

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**Getting Help:** In addition to the above mentioned, you can get help at the Math, Science & Technology Resource Center (MSTRC) in S43. They are open M-Th 8:30am – 6:30pm and F 8:30am – 12:30pm.

**\*Cheating Policy:** Any student caught cheating on a quiz or an exam will receive 0 points on that quiz or exam. The same holds for any student who allows another student to cheat.

**\*\*\* Disruptive classroom behavior** may include (but is not limited to) the following: talking when it does not relate to the discussion topic, sleeping, reading other material (e.g. newspapers, magazines, textbooks from other classes), eating or drinking, monopolizing discussion time, refusing to participate in classroom activities, texting, and engaging in any other activity not related to the classroom activity

**GRADING: . It is a POINT system.**

**1. QUIZZES:** (100 points)

**\*Quizzes are given at the beginning (or/and) at the end of the class,**

**\*If a student is late to the class, he/she must understand that No extra time is given for the quiz.**

**\*No quiz score is dropped, all are counted.**

**\*\*NO quizzes are made up, if any student is absent for any quiz for any absence.**

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#### **2. Mid term examinations: ( 3 Midterm exams: 300 points) \_\_\_\_\_ Page:5**

- a) 3 Mid-terms are given in the quarter.
- b) The Mid-term test is given on a THURSDAY at the beginning of the class.  
Duration is 50 min-1 hour.
- c) If a student is late to the class, he/she must understand that No extra time is given for the TEST.
- d) TESTS are NOT made up if any student is absent for any Mid-term test for any reason, excused OR UNEXCUSED
  
- **3. FINAL EXAM: (100 points)** There will be a comprehensive final exam on the last day we meet. A student must take the final exam to pass the course. Before going to the finals even if a student has a passing score, but if he/she does not attend the final exam, he/she will earn only F. So **TAKING FINAL EXAM IS MANDATORY.**
  
- **4. Homework:** HW is NOT MANDATORY

Homework assignments are given on each day of the class. They represent the student's opportunity to learn what was taught, by practicing both mechanical skills and problem– solving techniques. The student is expected to do –and is responsible for– all assigned problems associated with the section(s) of the text covered each class meeting. \* The students are encouraged to ask questions from the HW at the beginning of next class. Also, students can always meet me one-on-one, during my office hours, after your visit to tutoring.

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**Optional points: (NOT MANDATORY)**

- 1. HW: Total 30 POINTS (On each TEST DAY (THURSDAY) HW needs to be submitted PRIOR TO THE TEST. At the end of the class the HW packet is given back after corrections. No late work will be taken.**
- 2. Bonus Points: Total 20 points. Periodically Bonus questions are given in the class. Either at the beginning of the class/middle of the class/at the end of the class. ALL THESE OPTIONAL POINTS will be added to the overall FINAL scores to bring the grade up.  
(30 + 20 = 50 POINTS)**

| <b>Category</b>        | <b>Description</b>       | <b>Score</b>      |
|------------------------|--------------------------|-------------------|
| <b>1. Quizzes</b>      | <b>2 quizzes</b>         | <b>100 points</b> |
| <b>2. Mid-Term - 1</b> | <b>50 min-1 hr test)</b> | <b>100 points</b> |
| <b>3. Mid-Term - 2</b> | <b>50 min-1 hr test)</b> | <b>100 points</b> |
| <b>4. Mid-Term - 3</b> | <b>50 min-1 hr test)</b> | <b>100 points</b> |
| <b>Final Exam</b>      | <b>2 hours</b>           | <b>100 points</b> |
| <b>Total Points</b>    |                          | <b>500 points</b> |

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**95-100 : A+    90-94 : A    85- 89: B+    80-84: B    75-79    C+**  
**70-74: C    65- 69: D+    60-64 D    < 60 : F**

**The instructor reserves the right to change the dates of quizzes, Tests & the dates of the lessons**

### **Homework Problems:**

\* (I may add/delete more problems or remove problems from the list)

1.1 : Vocab (all) ##1,5,9,19,21,23,26,28,29,33,38, 43,55,56 and 57

1.2: Vocab (all) ## 1,5,7,9,17,19,21,23,29,31,33, 35, 47, 55, 59,67 and 71

1.3: Vocab(all) #9-15(odd) 19,23,25,27,33,36,37,40,41,43,45, 53,59,68,61,  
71,75,77,97,79,81,83, 89,91 and 93

1.4: Vocab (all) #7,13,17,18,31, 32, 35,39,41,51,54,57,77,92, 93 and 94,

1.5: Vocab (all) 1,3,4,5,;##9,12,13,15,17,20,24,25,33, 34,38, 48,52,54,61,72,74 and

76 1.6 Vocab (all) 1-10,11,13,19,22,24,25,27,30,36,38 and 40

1.7. Vocab (all) ##11,15,17,19 - 23, 24,25,35,47,51 and 52

1.8. Voc (all) ##11,13,19,21,23,77,35,45,49-57(odd)

1.9 Voc(all);##7-35(odd)

1.10 Voc(all); ## 24,30,34,37,38,59,60 and 62

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2.1 Voc(all); ## 7-12, 15,21,24,29,45,47-,53 and 57

2.2: Voc(all); ## 9-14, 16, 17, 19-29(odd),35-49(odd), 115(a-d)

2.3 Voc(all);##11,13,19,21 24, 31,32,35, 36,38,47,49,57,6168 and70

2.4: Voc(all); ##7,9,13,15,17,19,26,34,40,44,50,56,58,61,63,66,67,68, 75,93-97

2.5 Voc(all); ## 11,12,15,17,21,23,24,25,27,29,35-43(odd),47-49(Odd),  
51,56,58,61,66 67,68,70,76,128,130

2.6 Voc(all); ##5, 7,9,15,17,19,23,25,27,41- 44

2.7 Voc(all); ##5,7,21,15,27,29,22,32,40-50(even) ,61-65(odd), 76

3.1 Voc(all); ## 8,9,12, 85, 13-16, 24,25, 28,30-34(even),46,50-60(even) 68,70 3.2

Voc(all);#8-20(even) 25, 30-36 (even), 42-46 66,68,72, 77, 79

3.3 Voc(all); 8,10,14,18-30(even) 42-48(even) 56, 58,68-76(even) 3.4: Voc(all); 3,4,

8-14 (even) 16,-30(even), 44-56 (even), 61,72,74

3.5 Voc(all); 1-4, 7-12, 16, 32,34,38,47





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**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.