Janak's Syllabus - The Green Sheet--Mathematics Department--De Anza College

Winter 2017- Pre-Calculus-- Math 41.25 (MW 4:00pm) & Math.41.62 : (MW 6.30pm)

 Instructor: Mrs. Nirmala Janak   **Office Hours: M & W : 3 - 4 pm (Room number will be given later)**
Class-Room: L-61   (Math 41.25) 4pm class
          MLC-260: (Math 41.62) : 6.30 pm class   **e-mail: janaknirmala@fhda.edu**

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 –3rd Ed., Larson; A graphing calculator (TI-83/84/86) is required. Author's tutorial help is available at www.larsonprecalculus.com

Student Learning Outcomes: (SLO's)

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.

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**.   **Page:1**

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Note: . **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 he will be dropped by me.**

*****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.**

* **Homework :** **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.

* Home work(Optional) is worth 20 points for the whole quarter. You need to submit home work as a packet as soon as you enter the class. 10 HW Packets/20 points. Should be written on white computer paper neatly with **full work shown** for each problem for the full credit.

* **Note:** 1. Every student MUST bring 1) Text book ; 2) A graphing calculator (TI-83/84/86) 3) Writing material (ONLY WHITE PAPER (COMPUTER PRINT PAPER) NOT LOOSE LEAF PAPER)/ PEN OR PENCIL every day to the class.

* 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.   **Page:2**

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* GRADING: . It is a POINT system.

1. QUIZZES: (50 points each ; 4 quizzes (4. 50 = 200 points)
a) Quizzes are given at the beginning of the class, **in the first 20-30 min.** See the schedule.
b) If a student is late to the class, he/she must understand that No extra time is given for the quiz.
c) A total of 4 quizzes are given and **no quiz score is dropped**, all are counted.
d) And **no quizzes are made up**, if any student is absent for any quiz for any absence. Missed quiz will be replaced by that same topic's test score, ONLY one time!
e) The date of the quiz will be announced in advance...Also see the schedule.

2. MID-TERM TESTS (3): (3 TIMES 100 = 300 points)
a) 3 Mid-terms are given in the quarter.
b) The Mid-term test is given on a WEDNESDAY 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 not.
e) A Consideration is given when a students is absent for ONE MID - TERM TEST under emergency situations (proof is needed); ****Consideration**-The final exam score will replace that one missed test. ONLY ONE TIME. Cannot be absent for the rest of the tests.

f) And if a student is present for all the tests, he/she will be given a chance of replacing the lowest test score with the final exam score if the final exam score is higher. **A student can use only one of these (e or f) to use, not both.** Meaning, if a student is absent, the missed test will be replaced by final exam score , but does not have the option of using final exam again for the lowest mid-term score.

FINAL EXAM: (150 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. **Page:3**

Tentative Schedule   Page:4

Week	Monday	Wednesday
Week-1	**Jan 9th**; Lessons: 1.1 & 1.2	**Jan 11th**; L: 1.3, 1.4 & 1.5
Week-2	**Jan 16th**....Holiday.........................	**Jan 18th; Quiz-1 (1.1-1.5) ;** L: 1.6 & 1.7; **HW-1(Due....1.1-1.5)**
Week-3	**Jan 23rd**; L:1.8, 1.9 & 1.10	**Jan 25th**; ; **Quiz-2 (1.6-1.10) ;** L: 2.1 & 2.2 **HW-2 (Due....1.6-1.10)**
Week-4	**Jan 30th; L:** 2.3 ; **Test review;** **CW (1.1-1.10) is due**	**Feb 1st**.; **Mid term Test-1 (1.1-1.10)** L: 2.4 **No HW is due**
Week-5	**Feb 6th**.; L:2.5 & 2.6; **HW-3 (Due....2.1-- 2.4)**	**Feb 8th**.; **Quiz-3 (2.1-2.4);** L: 2.7 & 3.1; **HW-4 (Due....2..5-- 2.6)**
Week-6	**Feb 13th;** L: 3.1**; Test review;** **HW- 5 (Due....2.7)**	**Feb 15th; Mid term Test-2 (2.1-2.7);** L: 3.2; **No HW due** **CW (2.1-2.7) is due**
Week-7	**Feb 20th**; No class Holiday.	**Feb 22nd**.; L: 3.3 & 3.4 ; **HW-6 (Due....3.1.-- 3.2)**
Week-8	**Feb 27th;** L: 3.4.;	**March 1st; Quiz-4 (3.1-3.4);** L; 3.5; **HW-7 (Due....3.3.-- 3.4)**
Week-9	**March 6th;** L: 3.5; **CW (3.1-3.5) is due**	**March 8h;** L: 10.2 **HW-8 (due..3.5)**
Week-10	**March 13th;** L: 10.2; **Test review**	**March 15th; Mid term Test-3 (3.1-3.5);**
Week-11	**March 20th;** L: 10.4 **HW-9(due..10.2)**	**March 22nd;** L10.4; **Review for the finals; HW-10 (due..10.4)**
Week-12	**March 27TH: no class. Final exam week**	**March 29th; Final Exam: 4pm-6pm(for 4.pm class)** **March 29th: Final exam: 6.15pm-8.15pm) (for 6.30pm class)**

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Category	Description	Score
1. Quizzes (4 quizzes) 20- 30 min	EACH QUIZ CARRIES 50 POINTS (4X50 = 200)	200 points
2. Mid-Term - 1	50 min-1 hr test)	100 points
3. Mid-Term - 2	50 min-1 hr test)	100 points
4. Mid-Term - 3	50 min-1 hr test)	100 points
Final Exam	2 hours	150 points
Total Points		650 points

[387 - 418] = D   [419 - 451] = D+   [452 - 483] = C   [484 - 516] = C+
[60% - 64%) = D   [65% - 69 %) = D +   [70% - 74%) = C   [75% - 79%) = C+

[517 - 548] = B   [549 - 581] = B+   [582 - 613] = A   [614 - 650] = A+
[80% - 84%) = B   [85% - 89%) = B+   [90% - 94%) = A   [95% - 100%] = A+

< 387 = F; Below 60% = F { YOU NEED TO GET 452 POINTS OVERALL IN ORDER TO PASS THIS COURSE}

OPTIONAL: Extra Credit Work:

Note: CW check, HW check and Bonus points are OPTIONAL. NOT MANDATORY.

Extra Credit	Points	Due	Info
HW(each lesson 1 point)	20	See the Tentative schedule when it is due	Due on Some Mondays, and some Wednesdays
CW(Each lesson 1 point)	20	Three times; 1. (1.1-1.10); 2. (2.1-2.7); 3. (3.1-3.5)	Each chapter, after it is finished 1 check
Bonus points	20	any time during any class (total 10)	More info on first day
Total points	**60**	....	....

*** **Cell phones** : should be switched off before entering the class and YOU SHOULD NOT use a cell phone AS a CALCULATOR. If I see that if cell phone is on, he/she may be asked to leave the class. And that would be counted as half absent. Also points are subtracted from the earned points.

Additional Information:

1. **Extra credit / Bonus points are given in many ways. They are totally at the discretion of the instructor. (will be discussed in the 1st class); Can be added where ever is needed.**

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

3. **Keep all your graded material until the end of the class in case the COMPUTER file is lost   Page: 6**

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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/studentsuccess/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).

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.

Important Dates:

College Schedule & Deadlines:
- Last day to *add* a class: 1/21 (Sat)
- Last day to *drop for full refund/credit*: 1/22 (Sun)
- Last day to *drop with no record of grade*: 1/23 (Sun)
- Last day to *request pass/no pass grade*: 2/3 (Fri)
- Last day to *drop with a "W" (withdraw)*: 3/3 (Fri)
- *Final Exams*: 3/25 – 3/31 (Sat – Fri)

Homework (TENTATIVE) -------------------(I may add more problesm or remove problems from the list)

Problems
1.1 : ##1,5,9,19,21,23,26,28,29,33,43,48,49,55,56.

1.2: ## 1,5,7,9,17,19,21,23,29,31,47,49,59,67,71

1.3: Voc.,#9=15(odd) 19,23,25,27,33,36,37,40,41,43,45, 53,59,68,61,
71,75,77,97,79,81,85,89,91,93,111.
1.4:Voc.,#7,13,17,18,35,39,41,51,54,57,63,67,73,77,79, 81,92, 94,

1.5: Voc.1,3,4,5,;##9,12,13,16,18,20,24,25,34,38, 48,52,54,61,68,72,74,76

1.6 Voc 1-10,11,1319.22.24.25,27,30,3436,38,40

1.7. Voc.1-6(all);##7-9,11,15,17,19-23,25,29,35,47,51,52,55,59,63,65
1.8.Voc.;##11,13,19,21,23,77,35,45,49-57(odd),71,73,79

1.9 Voc.1-6(all);##7-35(odd),43,49,53,73,101

1.10 #18,24.30.34,36,38,59,60,62,68,80

2.1 # 7,10,11,16,21,24,29,46,48,50,57,75,76,83

2.2:Voc 1-8 , # 10, 14, 16(a,d) 17, 19-29(odd),35-49(odd), 56, 60,64,65,69, 70,73,98,115(a-d)

2.3 #12,14,19,21 24,32,36,38,48,50,57,62,65,66,68,70

2.4: Voc1-6, 8.10,14,16,20,24,26,34,40,44,50,56,58,60,62,66,68,75,80,93-97

2.5 # 11,12,16,18,20,23,24,25,28,30,34-42(even),46-50(even)
51,56,58,61,66,67,68,70,76,128,130

2.6 Voc 1-4, #8,12,14,16,20,22,24,28,40-44,52,56,58,80,82

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

3.1 Vocab. 1 – 4, ## 8.9,12, 85, 13-16, 24,25, 28,30-34(even),46,50-60(even) 68,70

3.2 Voc 1-6, #8-20(even) 25, 30-36 (even), 42-46 66,68,72, 77, 79

3.3 Voc 1-3 8,10,14,18-30(even) 42-48(even) 56, 58,68-76(even)

3.4 3,4, 8-14 (even) 16,-30(even), 44-56 (even), 61,72,74

3.5 Voc. 1-4, 7-12, 16, 32,34,38,47

My Scores

Quizzes: 4 quizzes; 50 points each: Put your score under the quiz;

Quiz- 1	Quiz- 2	Quiz- 3	Quiz- 4	Total
Date:				
/ 50	/ 50	/ 50	/ 50	**/200**

Midterm Tests: 43Midterm tests each is 100 points:

Test-1	Test=2	Test-3	TOTAL
/100	Date; /100	Date; /100	Date; /300

Note: By filling up all these on a regular basis you get an idea what your scores are at any given time.ALL THESE points ARE OUT OF **500 POINTS, before going into final exams, which is 150 points..**   **Page:10**

OPTIONAL (Bonus) POINTS (EXTRA CREDIT WORK)

Note: This paper you need to carry every day you come to the class.

3. ** Bonus points (I will sign on this slot every time you get a bonus point for different categories)

Note: MAXIMUM OF TWO PER DAY (MEANING IF YOU QUALIFY TO GET , YOU EITHER GET ONE OR TWO POINTS ON A DAILY BASIS) Total of 20 points. Cannot exceed 20 points.

Jan 9 MON	Jan 11 WED	Jan 16 MON	Jan 18 WED	Jan 23 MON	Jan 25 WED	Jan30 MON	Feb 1 WED	Feb 6 MON	Feb 8 WED	Feb 13 MON
		_____								

Feb 15 WED	Feb 20 MON	Feb 22 WED	Feb 27 MON	Mar 1 WED	Mar 6 MON	Mar 8 WED	Mar 13 MON			Total: 20

1 Bonus point for every one for bringing this printed syllabus on the 1st meeting of the class. I will sign your syllabus. FROM THEN ON You need to carry this all the time along with your notes.

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Please print this paper and submit to the teacher ON OR BEFORE the 2nd meeting of the class.

NAME: _____ **COURSE:** _____ **Meeting time:**_____

**(Minus points: Categories; (For each category you loose 1 point)

1. Use of cell phone in any form,

2. Not bringing the text book ;

3. Not bringing Calculator,

4. Leaving the class early without the prior permission of the teacher,

5. Unexcused absences without prior intimation to the teacher)

6. Disrupting the class.

Jan 9 MON	Jan 11 WED	Jan 16 MON	Jan 18 WED	Jan 23 MON	Jan 25 WED	Jan30 MON	Feb 1 WED	Feb 6 MON	Feb 8 WED	Feb 13 MON
		_____								

Feb 15 WED	Feb 20 MON	Feb 22 WED	Feb 27 MON	Mar 1 WED	Mar 6 MON	Mar 8 WED	Mar 13 MON	Mar 15 WED	Mar 20 MON	Total: