Janak's Syllabus (Mathematics Department), De Anza College

MATH 114. 35 – Fall 2015
INTERMEDIATE-ALGEBRA
Classroom: MLC 260
MW 4 pm – 6.15 pm

Instructor: *Ms. Nirmala Janak*
e-mail: janaknirmala@fhda.edu
Office Hours: Tuesdays & Thursdays : **2 pm to 3 pm. (ROOM E-37)**
Required Text: 1. INTERMEDIATE ALGEBRA (5th Edition BY BLITZER) or 2nd De anza
Custom edition; 2. 2) A Scientific Calculator (i.e. TI-30XIIS) (Do not buy graphing calculator)
Course Objectives:
(CHAPTERS: (Chapters 1, 4, 6, 7, 9, 10, 11 from the text book)

Application of exponential and logarithmic functions, rational functions, and sequences and
series to problems. Emphasis on the development of models of real world applications
and interpretation of their characteristics.

Student Learning Outcomes:

- Evaluate real-world situations and distinguish between and apply exponential, logarithmic,
  rational, and discrete function models appropriately.
- Analyze, interpret, and communicate results of exponential, logarithmic, rational, and discrete
  models in a logical manner from four points of view – visual, formula, numerical, and written.

* **Grading:** Your grade in this course will be based on 1) ATTENDANCE, 2) CLASS
  PARTICIPATION, 3)NOTE BOOK with CW/HW, 4) QUIZZES, 5) THREE MID TERM
  TESTS and 6) a comprehensive FINAL EXAM, weighted as follows: It is a point system.

1. **ATTENDANCE : (40 points) ; (+ 5): Total : 45 points)** Attendance is strongly
   emphasized.

* **Two points** will be given for each class you attend. Roll will be taken at the beginning of
  every class period. If you decide that you no longer want to be enrolled in the course, it is *your*
  responsibility to drop the course. We meet 23 times in this quarter. I count the attendance for
  points from Sep 28th onwards. It comes to 20 altogether (excluding the Final exam
  attendance) so you get **40 points** as attendance grade, if you attend regularly without fail.
  Absences for which a medical or court excuse is provided (professional letterhead is
  required) will be recorded but not figured in the attendance grade. If you are **on time
  every day,** for all classes, I will **add 5 points at the end of the quarter.**

* 2. **CLASS PARTICIPATION: (30 points)** Two points will be given each time you come
  forward and do a problem on the board FROM THE HOME WORK (from the sections we
  covered in class the previous week), a maximum of 30 points for each student for the whole
  quarter. These points will be lost and cannot be made up if you are absent from class.

3. NOTE BOOK (CW/HW): (25 points) : During this quarter the notebook is checked for its completeness with class work and homework. It is a random checking. A grade (**25 points**) is given to a neatly maintained note book with CW/HW. The Notebook should be neat and legible. **Note: A list of homework problems** are assigned at the end of each class. It is the student's responsibility to do them without fail, and students are encouraged to ask questions from that HW, at the beginning of next class if they did not understand any problems from their HW. . If more help is needed you can ALWAYS meet me during my office hours for help. The room and the time to meet me are given in the beginning of this syllabus.

4. QUIZZES: **(10 points each ; Total 50 points)**

 I will give pop quizzes in class on a random basis. Immediately after a lecture, at the beginning or end of a class, etc. **Calculators and notes are** *not* **allowed on quizzes. Make-up quizzes will not be given.** Your lowest quiz score will be dropped. *If you are absent during a quiz, the absent quiz could be your dropped quiz.* There will be **SIX** quizzes altogether. So you can get a maximum of 50 points for all the quizzes.

5. MID-TERM TESTS: (3 TIMES 50 = 150 POINTS): Three Mid term Tests are given in this quarter. See the tentative schedule below. **Make-up Tests will not be given.** *CALCULATORS and NOTES are not allowed* on MID TERM TESTS. **Each TEST is worth 50 points.**

6. **FINAL EXAM: (200 points):** There will be a comprehensive final exam on the last day we meet. See the tentative schedule below. Calculators are *not* allowed on the final exams. You *must* take the final exam to pass the course. **Grading:**

Category	Date/ Day/ Time	Total Points
1. Attendance (taken daily)	Every day counts as two points. (40 points + 5 points) ; See explanation above.	45 points
2. Class participation	15 times out of 22 classes in the whole quarter (any day/date) ; (15 times 2 points each)See explanation above.	30 points
3. Note Book (CW + HW)	Random checking/ any date	25 points
4. Quizzes (5 quizzes are counted; Lowest is dropped out of 6 Q)	Any Monday or Any Wednesday ; (5 times 10 points each); Quiz Time: 15 min	50 points
5. Mid-Term - 1	Oct 7th (Wed); Test Time ----50 min to 1 hour	50 points
6. Mid Term - 2	Nov 4th (Wed); Test Time ----50 min to 1 hour	50 points

Category	Date/ Day/ Time	Total Points
7. Mid-Term - 3	Nov 25th (Wed); Test Time ----50 min to 1 hour	50 points
8. Final Exam	Dec 9th (Wed); Exam Time-- 2 hours	200 Points
Sum of all of the above		**500 points**

Letter Grade: Course grades will be determined on a standard scale at the end of the quarter.

(90% - 94% → A)   (80% - 84% → B)   (70% - 74% → C)
(95% - 100% → A+)   (85% - 89% → B+)   (75% - 79% → C+)
(60% - 64% → D)   (65% - 69% → D+)   ≤ 59% → F.

Tentative Schedule:

DATE	DAY	Class	TOPIC/ACTIVITY
Sep 21st	M	1st class	Discussion about the course & Class policies Lesson 1.1 (TAUGHT THE BASICS)
23rd	W	2	**(Add Codes were given);** Lesson: 1.2
28th	M	3	(Syllabus distribution) Lessons: 1.6 & 1.7
30th	W	4	4.2 & 4.3
Oct 5th	M	5	Lesson 6.1; Review of the chapters (1 AND 4)
7th	W	6	**Mid term test - 1 (50 min) (Chapters 1 and 4) : Lesson 6.2**
12th	M	7	6.3 & 6.4 (Division by Monomials)
14th	W	8	6.6 & 6.7
19th	M	9	6.8 & 7.1
21st	W	10	7.2 & 7.3
26th	M	11	7.4 & 7.5
28th	W	12	7.5 (again) & 7.6

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Nov **2nd**	M	13	Lesson 9.1 Review of Chapters... (6 & 7)
4th	W	14	**Mid term Test - 2 (50 min) (Chapters 6 & 7)) : Lesson 9.1**
9th	M	--------	**HOLIDAY (Veterans day)**
11th	W	15	9.2 (composition of functions & Finding Inverses)
16th	M	16	9.3 & 9.4
18th	W	17	9.5 & 9.6
23rd	M	18	(Review of Chapter 9)
25th	W	19	**Mid term Test - 3 (50 min) (Chapter 9) : Lesson 10.1**
30th	M	20	11.1 & 11.2
Dec **2nd**	W	21	11.2 (again) & 11.3; and (3.3)
7th	M	22	Review for the Final Exam; Chapters: (1, 4,6,7, 9, 10 & 11)
9th	W	23	**FINAL EXAM --- 2 hours (1.30 pm- 3.30 pm)**

Getting Help: In addition to coming to office hours, 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.

* **Cell Phones:** Please switch off your cell phones / beepers before entering the class out of courtesy to others. If I see that you take a call or text during class I will ask you to leave for the rest of the period. You will not bring CELL PHONES to exams/Tests/ quizzes.

* **College Policies:** 1. Students can not take the same class more than three times for a grade, including W. 2. Late adds and late drops will not be processed.