

**Winter 2016--INTERMEDIATE-ALGEBRA**

**MW 1:30 pm – 3.45 pm**

| <b>Course</b>               | <b>Math 114.25</b>   |
|-----------------------------|--|
| Instructor                  | Mrs. Nirmala Janak   |
| e-mail                      | <a href="mailto:janaknirmala@fhda.edu">janaknirmala@fhda.edu</a> |
| Class-Room                  | <a href="#">G-6</a>  |
| Office Hours( For Tutoring) | Monday, Tuesday & Wednesday<br>11.45 am- 12.45 pm                |
| Room                        | E-37   |

**Course Description:** 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.

**Course Text :** Intermediate Algebra for college students, 5<sup>th</sup> edition, by Blitzer, published by Pearson Education, 2009. (CHAPTERS: (Chapters 1, 4, 6, 7, 9, 10, 11 from the text book)

**Student Learning Outcomes: (SLO's)**

- \* 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.

**Student's Responsibilities:**

\* You need to bring 1) Text book ; 2) Scientific Calculator; 3) Writing material (pen/pencil/loose-leaf papers) every day to the class. If I see any day that you did not bring any of them, points will be deducted from your class activities (CW/HW/GA) Points.

\*\***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 your cell phone is on, you may be asked to leave the class. And that would be counted as half absent. Both CW and HW points are subtracted from the earned points.

**ATTENDANCE : Attendance is strongly emphasized.**

- \* 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.
- \* For an absence if you bring a medical or court excuse (professional letterhead is required) ON THE DAY YOU ATTEND THE CLASS , that will be recorded and will be considered for **NOT** subtracting the points from the class room activities (CW/HW). if you show the missed CW/HW. **If no excused document is produced points will be deducted from class room activities even if you have done that missed CW and HW problems.**
- \* QUIZZES OR TESTS are **NOT** made up, even if it is an excused absence.
- \* Homework problems are given at the end of each class. . It is your responsibility to do them without fail, and you are encouraged to ask questions from that HW, at the beginning of next class, if you did not understand any problems from your HW. Also, you can always meet me one-on-one, during my office hours, for help.

**GRADING: Grading is done in the following categories.**

**1. CLASS ROOM ACTIVITIES:**

**a) CW Problems Check: ( one point for each CW; (18 points/ 18 classes) ( IF IT IS VERY NEAT WORK 2 POINTS ARE ADDED. TOTAL 20)**  Everyday ( All 18 classes, except the last two) notes is given for each topic and class work problems are assigned to finish in the class period. *Before the end of the class* you need to show that to me and get it signed by me. Each CW work (signed by me ) is worth 1 point. If you are absent any day you will be given chance to show the missed CW in the next class for a point (not later than that), only if it is an excused absence.

**b) HOME WORK Check: ( 2 points each; (10. 2 = 20 points):** On each WEDNESDAY( *at the beginning of the class*) HW will be collected and graded and given it to you back in the same class. HW is worth 2 points every week, for total of 10 HW grades. If you are absent any day you will be given chance to show the missed HW in the next class for a point (not later than that), only if it is an excused absence.

**c) Group Activity: ( 10 points for each person in the group):** Students are divided in to groups for this activity. The Group presents a particular topic to the fellow students on an assigned day - 15 to 20 min presentation. I will explain more about this in the class prior to the group activities.

2. **QUIZZES: (20 points each ; 5 quizzes ( 5. 20 = 100 points)** Quizzes are given on some Wednesdays at the beginning of the class, 15- 20 min. If you are late to the class, you lose the time. No extra time is given. **A total of 6 quizzes are given and one lowest quiz score is dropped. Only 5 quizzes are counted. If you are absent on a quiz day, that would be your dropped score in place of lowest score. The rest of the 5 quizzes are counted.**

3. **MID-TERM TESTS (3): (3 TIMES 100 = 300 POINTS):** Three Mid term Tests are given in this quarter. See the tentative schedule below. A consideration is given when you are absent for ONE MID - TERM TEST under emergency situations ( proof is needed). In such cases, The final exam score will be given for that one missed test. ONLY ONE TIME. You need to be present for the rest of the tests.

4. **FINALEXAM: (200 points)** There will be a comprehensive final exam on the last day we meet. See the tentative schedule below. You **must take** the final exam to pass the course.

**Letter Grade:** Course grades will be determined on a standard scale at the end of the quarter. **(Total- 650 Points)**

[387 - 419] = D  
[60% - 65%) = D

[420 - 451] = D+  
[ 65% - 70 %) = D +

[452 - 485] = C  
[70% - 75%) = C

[486 - 516] = C+  
[75% - 80%) = C+

[517 - 549] = B  
[ 80% - 85%) = B

[550 - 581] = B+  
85% - 90% ) = B+

[582 - 614] = A  
[90% - 95% ) = A

[615 - 650 ] = A+  
[95% - 100%] = A+

< 387 = F; Below 60% = F

| Category  | Description  | Points     |
|---|--|------------|
| 1. Class work (notes and solved problems) at the end of each class. | The CW needs to be shown at the end of each class. The <b>signed CW</b> is worth 1 point. Max of 18 CW. (18. 1)            | 18 (+ 2)   |
| 2. Home work Problems ( Not just answers. Show work)                | HW is checked on <b>every Wednesday. Need to submit as you enter the class.</b> Max of 10 HW. Each is worth 2points (10.2) | 20         |
| 3. Group Activity- in the class                                     | Each group will present a certain topic in the class for 15 to 20 min on an assigned day.                                  | 10         |
| 4. Quizzes (6 quizzes)15- 20 min                                    | <b>Wednesday : 1.30 pm- 1.45pm (5 . 20 = 100)</b><br><b>1 Quiz score is dropped.</b>                                       | 100        |
| 5. .Mid-Term - 1  | <b>Jan 27th (Wednesday) - 1.30 pm - 2.20 pm (50 min)</b>   | 100        |
| 6. .Mid-Term - 2  | <b>Feb 24th ( Wednesday) Test Time : 1.30 pm - 2.20 pm (50 min)</b>  | 100        |
| 7. . Mid Term - 3   | <b>March 9th (Wednesday)Test Time : 1.30 pm - 2.20 pm (50 min)</b>   | 100        |
| 8. Final exams  | <b>March 21st (Monday) - 2 hours ; 1.45 pm to 3.45 pm.</b>   | 200        |
| <b>Total points</b>   | -----  | <b>650</b> |

**Tentative Schedule:**

**Week 1:** ( On the 1st day of the class -- I will discuss about the Course, Syllabus, Class & College policies & Student responsibilities etc; and then proceed to lessons)

| Date    | Day | # of classes | Topic     | CW Check | HW Check           | Quiz | Test |
|---------|-----|--------------|-----------|----------|--------------------|------|------|
| Jan 4th | MON | Class - 1    | 1.1 & 1.2 | CW-1     | No                 | No   | No   |
| Jan 6th | WED | Class - 2    | 1.6 & 1.7 | CW-2     | HW - 1 (1.1 & 1.2) | No   | No   |

**Week -2 : ( GA = Group Activity)**

| Date     | Day | # of classes | Topic                        | CW Check | HW Check                      | Quiz                 | Test |
|----------|-----|--------------|------------------------------|----------|-------------------------------|----------------------|------|
| Jan 11th | MON | Class-3      | 4.2 & 4.3                    | CW- 3    | No                            | No                   | No   |
| Jan 13th | WED | Class-4      | 6.1, review for 1st test& GA | CW- 4    | HW - 2 (1. 6. 1.7, 4.2 & 4.3) | Quiz- 1; 1st chapter | No   |

**Week - 3**

| Date     | Day | # of classes | Topic | CW Check | HW Check     | Quiz  | Test                                  |
|----------|-----|--------------|-------|----------|--------------|-------|---------------------------------------|
| Jan 18th | MON | NO Class     | _____ | _____    | _____        | _____ | _____                                 |
| Jan 20th | WED | Class-5      | 6.2   | CW- 5    | HW - 3 (6.1) | No    | <b>Test- 1 ( 1st \$ 4th chapters)</b> |

**Week - 4**

| Date     | Day | # of classes | Topic         | CW Check | HW Check               | Quiz             | Test      |
|----------|-----|--------------|---------------|----------|------------------------|------------------|-----------|
| Jan 25th | MON | Class- 6     | 6.3, 6.4 & GA | CW- 6    | No                     | No               | No        |
| Jan 27th | WED | Class- 7     | 6.6, 6.7 & GA | CW- 7    | HW - 4 (6.2 6.3 & 6.4) | Quiz- 2; 6.1-6.4 | <b>No</b> |

Week - 5

| Date    | Day | # of classes | Topic     | CW Check | HW Check                 | Quiz                      | Test |
|---------|-----|--------------|-----------|----------|--------------------------|---------------------------|------|
| Feb 1st | MON | Class- 8     | 6.8 & 7.1 | CW- 8    | No                       | No                        | No   |
| Feb 3rd | WED | Class- 9     | 7.2 & GA  | CW- 9    | HW - 5 ( 6.6, 6.7 & 6.8) | Quiz- 3 (6.6, 6.7 & 6.8 ) | No   |

Week - 6

| Date     | Day | # of classes | Topic                     | CW Check | HW Check                    | Quiz                            | Test      |
|----------|-----|--------------|---------------------------|----------|-----------------------------|---------------------------------|-----------|
| Feb 8th  | MON | Class- 10    | 7.3 & 7.4                 | CW- 10   | No                          | No                              | No        |
| Feb 10th | WED | Class- 11    | 7.5 & review for the test | CW- 11   | HW - 6 (7.1,7.2, 7.3 & 7.4) | Quiz- 4 ( 7.1, 7.2, 7.3 & 7. 4) | <b>No</b> |

Week- 7

| Date     | Day | # of classes | Topic     | CW Check | HW Check       | Quiz          | Test                                  |
|----------|-----|--------------|-----------|----------|----------------|---------------|---------------------------------------|
| Feb 15th | MON | NO Class     | _____     | _____    | _____          | ____<br>_____ | _____                                 |
| Feb 17th | WED | Class- 12    | 7.5 & 7.6 | CW- 12   | HW - 7 ( 7. 5) |               | <b>Test-2 ( Chap 6 &amp; 7.1-7.3)</b> |

Week - 8

| Date     | Day | # of classes | Topic     | CW Check | HW Check | Quiz | Test |
|----------|-----|--------------|-----------|----------|----------|------|------|
| Feb 22nd | MON | Class- 13    | 9.1 & 9.2 | CW- 13   | No       | No   | No   |

| Date     | Day | # of classes | Topic     | CW Check | HW Check                | Quiz                                | Test |
|----------|-----|--------------|-----------|----------|-------------------------|-------------------------------------|------|
| Feb 24th | WED | Class- 14    | 9.3 & 9.4 | CW- 14   | HW - 8 ( 7.6 9.1 & 9.2) | Quiz- 5 ( 7.4, 7.5, 7.6, 9.1 & 9.2) | No   |

### Week- 9

| Date     | Day | # of classes | Topic       | CW Check | HW Check                     | Quiz                           | Test |
|----------|-----|--------------|-------------|----------|------------------------------|--------------------------------|------|
| Feb 29th | MON | Class- 15    | 9.5 & 9.6   | CW- 15   | No                           | No                             | No   |
| Mar 2nd  | WED | Class- 16    | 10.1 & 11.1 | CW- 16   | HW - 9 (9.3, 9.4, 9.5 & 9.6) | Quiz- 6 ( 9.3, 9.4, 9.5 & 9.6) | No   |

### Week - 10:

| Date    | Day | # of classes | Topic         | CW Check | HW Check                     | Quiz | Test                                    |
|---------|-----|--------------|---------------|----------|------------------------------|------|---|
| Mar 7th | MON | Class- 17    | 11. 1 & 11. 2 | CW- 17   | No                           | No   | No                                      |
| Mar 9th | WED | Class- 18    | 11.3          | CW- 18   | HW -10 (10.1 & 11.1 & 11.2 ) | No   | <b>Test-3 (7th &amp; 9th chapters )</b> |

### Week - 11:

| Date     | Day | # of classes | Topic                     | CW Check | HW Check | Quiz | Test |
|----------|-----|--------------|---------------------------|----------|----------|------|------|
| Mar 14th | MON | Class- 21    | 11.3 & GA                 | No       | No       | No   | No   |
| Mar 16th | WED | Class- 22    | Review for the Final Exam | No       | No       | No   | No   |

**Week- 12: Final Exam week : Exam on March 21st ( Monday) - 1.45 pm - 3. 45 pm ( 2 hours)**

**My Scores**

**Note:** By filling up your points in these categories (given below for your convenience) on a regular basis you get an idea what your scores are at any given time.

**CW Points:** 1 point each day; **Circle** the day when you get that day’s point: 18 points ( + 2 points for neat work)

| MON   | WED    | MON             | WED    | MON             | WED    | MON    | WED    | MON   | WED   | Total |
|-------|--------|-----------------|--------|-----------------|--------|--------|--------|-------|-------|-------|
| Jan 4 | Jan 6  | Jan 11          | Jan 13 | <b>No class</b> | Jan 20 | Jan 25 | Jan 27 | Feb 1 | Feb 3 | / 9   |
| Feb 8 | Feb 10 | <b>No class</b> | Feb 17 | Feb 22          | Feb 24 | Feb 29 | Mar 2  | Mar 7 | Mar 9 | / 9   |

**HW Points:** 2 points each Wednesday; **Circle** the day when you get that day’s points

| WED   | WED    | WED    | WED    | WED   | WED    | WED    | WED    | WED   | WED   | Total |
|-------|--------|--------|--------|-------|--------|--------|--------|-------|-------|-------|
| Jan 6 | Jan 13 | Jan 20 | Jan 27 | Feb 3 | Feb 10 | Feb 17 | Feb 24 | Mar 2 | Mar 9 | / 20  |

**Group Activity: 10 points: Check the day that you did the group activity and put the date below**

| Any Monday | Any Wednesday | Total:    |
|------------|---------------|-----------|
|            |               | 10 points |



**Quizzes: 6 quizzes; 20 points each: Put your score under the quiz;  
ONLY 5 Quizzes are counted**

| Quiz- 1  | Quiz- 2  | Quiz- 3 | Quiz- 4  | Quiz - 5 | Quiz- 6 | Total             |
|----------|----------|---------|----------|----------|---------|-------------------|
| Jan - 13 | Jan - 27 | Feb- 3  | Feb - 10 | Feb - 24 | Mar- 2  | Out of 100 Points |
| / 20     | / 20     | / 20    | / 20     | / 20     | / 20    |                   |

**Midterm Tests: 3 Midterm tests each is 100 points:**

| Jan 20- Test - 1 | Feb 17 - Test - 2 | Mar 9 - Test- 3 | Total - 300 Points |
|------------------|-------------------|-----------------|--------------------|
| / 100            | / 100             | / 100           |                    |

**\*\*\*Please print this syllabus and bring it every day to the class.**

ALL THESE points ARE OUT OF 450 POINTS, before going into final exams, which is 200 points.

STUDY WELL AND DO WELL!! THE SUCCESS DEPENDS ON YOUR HARD WORK !! ALL THE BEST!!

**Important Dates:**

**Saturday, Jan. 16** :: Last day to [add](#) quarter-length classes. *Add date is enforced.*

**Sunday, Jan. 17** :: Last day to [drop](#) for a full [refund or credit](#) (quarter-length classes). *Drop date is enforced.*

**Monday, Jan. 18** :: Last day to [drop](#) a class with no record of grade. *Drop date is enforced.*

**Friday, Jan. 29** :: Last day to [request pass/no pass](#) grade. *Request date is enforced.*

**Friday, Feb. 26** :: Last day to [drop](#) with a "W." *Withdraw date is enforced.*

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