Syllabus Math 114 , Summer 2020

DE Anza College   **Summer 2020.**   **Intermediate Algebra.**

(I teach two Sections of Math 114 in this Summer quarter).

MTWTH   (10am-12.15 pm)   & (12.30 pm - 2.45 pm)

For both Courses of Math 114.03 (CRN 00699) and Math 114.05 (CRN 11026)

Course	Math114.03 & 114.05
Instructor	Mrs. Nirmala Janak
e-mail	**janaknirmala@fhda.edu**
Classes	**Online (M, Tue, Wed, Th** **On Zoom)**
Office Hours	**Friday & Sat** 9am-10am (zoom)
Room	SIP(Shelter in Place)

Prerequisite: Qualifying score on Math Placement Test within last calendar year; or Mathematics 212 with a grade of C or better.

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.

(**CHAPTERS:** (Chapters 1st (1.6 and 1.7) 4th (4.3); 5th : (5.6); 6th: (6.1-6.7 (except 6.5) ,

7th: (7.1-7.6) , 9th: (9.1-9.6) , 10,th: (10.1); 11th: (11.1) from the textbook)

Materials:

1. Course Text : Intermediate Algebra for college students, 7th edition, by Blitzer, published by Pearson

2. **Calculator:** A scientific calculator is required. A Graphing calculator is recommended. The TI-83 or TI-84 is preferred, and the **TI-89 is not allowed.**

Goals: For each student to be able to apply and retain the information from the course.

****Cell phones** should be switched off before entering the class and the STUDENT SHOULD NOT use a cellphone AS a CALCULATOR AT any time. .

ATTENDANCE

Attendance is strongly emphasized.

- When a student is absent, it is student's responsibility to get the notes from other students who attend this same class. (

5 min before the lesson is over, a student who needs help or a student who can help other students send the Instructor   a private message giving the contact number so those who need it can get it.

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- **Note:**   QUIZZES OR TESTS are **NOT** made up, even if it is an excused absence
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- **(EXCUSED ABSENCE =** Intimating the reason of the absence, before the absence, to the Instructor through email)
- No one leaves the class in the middle at any time, **UNLESS** the student had already got permission from the Instructor. Every student is expected to stay till the end of the class.
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- **Note:** The Instructor knows who is in the class and who is not at any given time. Attendance is taken at the beginning and at the end of each class.
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- If a student is tardy he/she will lose bonus points
- **Instruction Option:** The course will be **partially synchronous**, meaning a portion taught on Zoom, and a portion taught on Canvas. This below is the following schedule each day.

One and half hours : Lecture/discussion/answering questions etc and Review
45 min Canvas Lesson afterwards (The student will go into Canvas and see the lesson outline material and other messages)
Note: Attending the First day of the class is Mandatory. So much of Information is given on the first day.

GRADING:

Grading is done in the following categories.

1. :Participation Points = (10 chances = 10 points)(These are called the Bonus Points) . If a students knows an answer to a question which is asked by the Instructor, he/she unmute the microphone and can share the answer to the class. If the answer is correct the student earns a bonus point.

2. QUIZZES: (2 and half points each ; (Weekly 10 points) quizzes (10 points. 5 weeks = 50 points) Quizzes are given at the beginning of the class, each day and needs to be solved in 10 min. One or Two questions. If the student is late to the class, he/she loses the time. No extra time is given.

Note: If a student is absent on a quiz day, that would be equal to zero. NO quiz is dropped.

Each student will write the answer to the quiz question privately on the chat section to the Instructor as soon as the student solves it or immediately when the time finishes. If the answer is correct the student earns quiz points.

3. MID-TERM TESTS (4): (4 TIMES 100 = 400 POINTS): Four 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 taken in place of that one missed test. ONLY ONE TIME that kind of consideration is given. You need to be present for the rest of the tests.

Procedure (How to take test): Test questions need to be written on a paper ONLY WITH A DARK PEN (1-4 pages) solve them and circle the answers and take photo of them and upload them on the Canvas.

4. FINAL EXAM: (200 points) There will be a comprehensive final exam on the last day

Students *must* **take** the final exam to pass the course.

Note: **((HOMEWORK : No points are given to HW.**

HW is given at the end of the class each day. Students are expected to do all the work and encouraged to ask questions about the HW during office hours.

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

[387 - 419] = D   [420 - 451] = D+   [452 - 485] = C

[60% - 65%) = D   [65% - 70 %) = D +   [70% - 75%)   = C

[486 - 516] = C+   [517 - 549] = B   [550 - 581] =   B+

[75% - 80%) = C+   [80% - 85%) = B   85% - 90%) = B+

[582 - 614] =   A   [615 - 650]   =   A+   < 387 = F;   Below 60% = F

[90% - 95%) = A   [95% - 100%] =   A+

Tentative Schedule:

Week 1:   1.6, 1.7, 4.3, 5.6 , 6.1   (June 29th, 30th, July1st, July 2nd)

Week-2;   6.2, 6.3, 6.4, 6.6, 6.7.   (July 6th, July 7th, July 8th, July 9th)

Week 3:   7.1, 7.2, 7.3, 7.4. 7.5   (July 13th, July 14th, July 15th, July 16th)

Week: 4: 7.6, 9.1, 9.2, 9.3, 9.4   (July 20th, July 21st, July 22nd, July 23rd)

Week: 5:   9.5, 9.6, 10.1, 11.1, 11.2.   (July 27th, July 28th, July 30th, July 31st)

Week: 6   Final Exam
Review and Final Exam

Test 1 : 1.6, 1.7, 4.3, 5.6)   Test-3 (7th chapter)

Test-2 (6th chapter)   Test-4 (9th chapter)

******NOTE: Instructor reserves the right to change the schedule as and when necessary.

Student Learning Outcome(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.