

CLARENDON COLLEGE (Roach)-Spring-11

Syllabus for MATH 1314 (college algebra) [1314rs11]

Mondays ( 6:20–9:20 ) pm

**INSTRUCTOR:** Dr. James Anglin, Ph.D.

**TEXT:** Algebra for College Students by Lial, Hornsby and McGinnis, 5<sup>th</sup> Edition,  
Pearson/Addison Wesley

**COURSE DESCRIPTION:** Relations, functions, equations and inequalities, exponents and radicals, mathematical induction, progressions, binomial theorem and probability.

**PREREQUISITE:** Two years of high school algebra or college intermediate algebra or consent of department head.

**PURPOSE OF COURSE/COURSE OBJECTIVES:** A partial fulfillment for certain degrees, and to prepare students to enter other mathematical fields.

**CLASS POLICIES:** You are expected to attend class. If you must be absent, try to make arrangements with the instructor in advance. All tests missed will be made up at the next class meeting or grade will become zero. You are responsible for any material you may miss because of being absent. You are expected to come to class to learn algebra.

**HOME WORK:** Home work is for the student, not the instructor. It is assigned so as to give the student an opportunity to practice on and prepare for the kinds of questions that will be on examinations. Homework will be graded and averaged (it will count as 20 % of your course grade). (((All work must be shown according to instructor instructions in order to get credit for homework)))!!!!

**CHEATING:** The first time you are caught cheating will result in a zero (0) on that assignment; the second time you are caught cheating will result in a F in the course and dropped from the course.

- Please refrain from talking during lectures and come to class on time.
- Homework is not accepted late.
- No calculators allowed on exams.

**METHOD OF INSTRUCTION:** Lecture/demonstration

**COURSE EVALUATION:**

Homework.....	20%
Exams (3 at 20% each) .....	60%
<u>Final Exam.....</u>	<u>20%</u>
Total	100%

**GRADES:** 90-100= A; 80-89= B; 70-79= C; 60-69= D; below 60= F

## Course Schedule - Homework Assignments

Note: MO-3 means multiples of 3, MO-5 means multiples of 5, etc...

- Jan. 24. 1.2 (practice--problems): 14, 21, 28, 35, 42, 49, 63, 70, 77, 84, 91  
1.3 (practice--problems): 27, 40, 45, 54, 62, 72, 90, 92  
2.1 (homework--problems): 4, 9, 18, 28, 37, 42  
2.2 (homework--problems): 9, 12, 15, 18, 30, 42  
2.3 (homework--problems): MO-5 [5 -30]  
2.4 (homework--problems): 14, 21, 28, 40
- Jan. 31 . 2.5 (homework--problems): 2, 3, 4, 10, 11, 65, 66  
2.6 (homework--problems): 1, 2, 3, 4, 5, 6, 22, 25, 43, 44, 66, 70  
2.7 (homework--problems): 2, 7, 14, 35, 36, 47, 48, 94  
3.1 (homework--problems): 24, 27, 30, 32, 33, 36, 52  
3.2 (homework--problems): 18, 21, 30, 31, 51, 52, 62, 66, 76
- Feb. 7. 3.3 (homework--problems): 24, 25, 35, 36, 42, 49, 62, 66, 74  
3.4 (homework--problems): 7, 8, 19, 20, 29, 30  
3.5 (homework--problems): 12, 13, 18, 20, 42, 48, 86  
3.6 (homework--problems): 27, 28, 36, 38, 40, 46, 48, 52, 54  
4.1 (homework--problems): 17, 18, 20, 34, 35, 36, 40, 41, 42, 64, 66
- Feb. 14. \*\*\*Test # 1-over Jan. 24 and Jan. 31 material\*\*\*
- Feb. 21 4.2 (homework--problems): 4, 5, 6  
4.3 (homework--problems): 6, 16, 20, 28, 40  
4.4 (homework--problems): 4, 6, 16  
4.5 (homework--problems): 4, 5, 6, 10, 16  
5.1 (homework--problems): 4, 10, 14, 18, 20, 23, 32, 60, 66, 70, 128, 132, 154, 156
- Feb. 28 5.2 (homework--problems): 51, 52, 57, 58, 77, 78  
5.3 (homework--problems): 13, 14, 31, 32  
5.4 (homework--problems): 2, 19, 20, 24, 95, 96  
5.5 (homework--problems): 9, 10, 16, 17, 22, 30, 32  
6.1 (homework--problems): 1, 4, 8, 21, 22, 39, 40, 42
- March 7 6.2 (homework--problems): 2, 6, 7, 8, 19, 20  
6.3 (homework--problems): 2, 6, 8, 10, 16  
6.4 (homework--problems): 4, 5, 52, 70  
6.5 (homework--problems): 7, 14, 21, 28, 35, 42, 54, 62  
7.1 (homework--problems): MO-5 [10 - 40]  
TAKE HOME EXAM: Test # 2-over Feb. 7, Feb. 21 and Feb. 28 material\*\*\*

March 14 SPRING BREAK – No Class

- March 21 7.2 (homework--problems): 8, 13, 14, 21, 22, 32, 48, 61, 62  
 7.3 (homework--problems): MO-3 [3 - 18] and 34  
 7.4 (homework--problems): MO-3 [3 - 21] and 48  
 7.5 (homework--problems): MO-7 [7 - 49] and 40, 52, 54  
 8.1 (homework--problems): MO-6 [18 - 36]
- March 28 8.2 (homework--problems): MO-9 [9 - 81]  
 8.3 (homework--problems): MO-9 [9 - 54]  
 8.4 (homework--problems): MO-9 [9 - 54 ]  
 8.5 (homework--problems): MO -11 [11 - 77]  
 8.6 (homework--problems): MO-11 [11 - 55]
- April 4 8.7 (homework--problems): MO-11 [11 - 66]  
 9.1 (homework--problems): MO-11 [11 - 55]  
 9.2 (homework--problems): MO-11 [11 - 44]  
 9.3 (homework--problems): MO-5 [15 - 40]  
 9.4 (homework--problems): 8, 11, 30, 33, 38, 40
- April 11 \*\*\*Test # 3-over March 7, 21 & 28 material \*\*\*
- April 18 10.1 (homework--problems): MO-7 [7 - 42]  
 10.2 (homework--problems): 2, 5, 13, 16, 24, 25, 26  
 10.3 (homework--problems): 12, 13, 14, 17, 20, 23, 28, 30, 38  
 11.1 (homework--problems): 10, 11, 12, 27, 28, 29  
 11.2 (homework--problems): 2, 4, 5, 15, 18, 20, 21
- April 25 11.3 (homework--problems): 2, 3, 4, 11, 12, 21, 22, 23, 24  
 11.4 (homework--problems): 7, 10, 13, 16, 22, 26, 34, 35, 36  
 11.5 (homework--problems): 2, 4, 47, 48  
 11.6 (homework--problems): 33, 34, 37, 38, Plus: set-up only: 45(a), 46(a), 47(a), and  
 Work 51 and 52.  
 14.1 (homework--problems): MO-3 [3 - 30]
- May 2 14.2 (homework--problems): 5, 8, 13, 14, 27, 28, 35, 36, 41, 42  
 14.3 (homework--problems): 4, 5, 11, 12, 17, 18, 27, 28, plus: set-up only: 31, 32  
 14.4 (homework--problems): 3, 6, 16, 17, 29, 30, 36, 38  
 14.6 (homework--problems): MO-7 [7 - 42]
- May 9 \*\*\*Final Exam\*\*\* (all untested material)

**The instructor reserves the right to make changes to this syllabus if time or other factors necessitate doing so.**