Math 1075 **Precollege Mathematics II** **Autumn 2017**

Required Materials:

Textbook: Miller/O'Neil/Hyde. Beginning and Intermediate Algebra (4th ed), OSU Custom version, McGraw-Hill. ISBN: 9781259541650

Technology: All students are **required** to have a graphing calculator. ***A TI-83 or TI-84 is recommended.*** ***NOTE*: Any calculators (including TI-89 and TI-92) that use a Computer Algebra System (CAS) are not permitted.**

Course Grade:

Exam 1 (Tuesday, September 19th):	100 points (§5.1 – 5.5 & §6.1 – 6.7)
Exam 2 (Tuesday, October 17th):	100 points (§7.1 – 7.8, §8.1 & 8.2)
Exam 3 (Tuesday, November 14th):	100 points (§8.3 & 8.4, §9.1 – 9.8, §10.1)
Recitation score:	150 points total (Homework: 70 pts & Quizzes: 80 pts)
Final Exam (Tuesday, December 12th)	200 points (All sections covered, including Chapter 10)
	650 total points for the course

Final grades will be based on the approximate cut-off scores indicated below. ***There will be no curve in this class.***

A: 580 B: 520 C: 455 D: 400

(*Students will need a course grade of C– or better in Math 1075 in order to progress to the next math class*.)

Recitation Score:

Homework: Your homework will be done using ALEKS, an artificially intelligent, online learning system instead of the traditional pencil and paper homework assignments. Each homework assignment will be a component of the ALEKS Pie. To earn the maximum of 70 homework points possible, a student needs to successfully complete at least 85% of the total course topics in ALEKS. *The recommended problems listed below are intended to supplement your practice as provided by the ALEKS homework.*

Students are responsible for completing ALEKS homework before 11:59pm on the due date.

Quizzes: There are 10 quizzes, worth 10 points each, which are based on the homework assignments and will be given in your recitation class. The best 8 quiz scores will count towards your recitation quiz grade.

There will be no make-up of quizzes; if you miss a quiz that will be one of your two dropped scores.

Carmen: Carmen is a web-based course tool that allows you to view your grades and contains important course materials. You can access Carmen by visiting **http://carmen.osu.edu**. You will need your OSU ID (name.#) and password (the same ID and password which you use to access the Registrar's website).

Exam Rooms:

Exam room assignments change for students enrolled in day sections of the course. The exam room assignments will be posted at least a week in advance of the exam date. You must have your Buck ID at each exam to verify your identity.

Make Ups Exams:

You must have a **permission slip** that has been completed by your lecturer **and your Buck ID** to take a make-up exam. To receive a permission slip, you must provide your lecturer with documentation demonstrating a conflict with the regularly scheduled exam. Make-up midterms are scheduled for the morning after each midterm from 8:00 – 8:55am in KN 190.

Final Exam:

The final examination is scheduled for Tuesday, December 12th from 8:00 – 9:45 pm. The final exam make-up is scheduled for Wednesday, December 13th from 8:00 – 9:45am. The location of the make-up final will be announced with the final exam room assignments. ***The final exam is cumulative, i.e. it will cover material from all sections of the textbook.***

Extra Help:

Office Hours: Your lecturer and recitation instructor will have office hours for individual help.

The MSLC (Mathematics and Statistics Learning Center) offers the following services:

- Tutor Room: The Math 1075 tutor room is located in Cockins Hall, room 032 (CH 032) and is open Monday through Thursday, 10:20am – 4:00pm starting Monday, August 28th.
  Evening tutoring hours are in the Math Building room 010 (MA 010) Sunday through Thursday 4:00pm – 7:00pm starting Wednesday, August 23rd.
- Exam Reviews: The MSLC provides exam reviews for each exam and narrated solutions to each exam review, including the final exam.
- Workshops: Periodically the MSLC hosts workshops that focus on specific topics that students tend to have the most difficulty learning.

The exact dates and times of the workshops along with more details of MSLC services can be found on the MSLC website: **http:// mslc.osu.edu**

Academic Misconduct Statement:

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee. For additional information, see the Code of Student Conduct (http://studentaffairs.osu.edu/resource_csc.asp).

Disability Statement:

Students with disabilities that have been certified by Student Life Disability Services (SLDS) will be appropriately accommodated and should inform the instructor as soon as possible of their needs. SLDS contact information: slds@osu.edu; 614-292-3307; 098 Baker Hall, 113 W. 12th Avenue.

GEC Information:

This mathematics course can be used, depending on your degree program, to satisfy the Quantitative and Logical Skills category of the General Education Requirement (GEC). The goals and learning objectives for this course are to provide students with basic computational skills and the ability to solve problems based on simple mathematical models. The course meets the needs of students entering the University with Course Code S on the Math Skills Assessment Test, or with credit for Math 1050.

Prerequisites:

The prerequisites for this course are either a grade of C– or above in Math 1050, a passing grade in Math 75 or Math 1074, or Math Skills Assessment level R or S. Students who do not have the prerequisites are liable for dismissal from this course in accordance with faculty rule #3335-7-33. Please see your advisor to adjust your schedule if necessary. *Not open to students with credit for any higher numbered math class, or any quarter class numbered higher than 75.*

Catalog Description:

Algebraic, rational, and radical expressions; functions and graphs; quadratic equations; absolute value; inequalities; and applications.

Math 1075 Homework

Section	Recommended homework problems from the textbook
5.1	11 – 47 every other odd, 53, 55
5.2	9 – 73 every other odd
5.3	7 – 51 every other odd
5.4	9 – 49 every other odd
5.5	7 – 55 every other odd
6.1	17 – 77 every other odd
6.2	3 – 19 odd, 31 – 65 odd, 73
6.3	11 – 79 every other odd, 85, 87
6.4	13 – 77 every other odd
6.5	15 – 45 odd, 51 – 71 every other odd
6.6	15 – 67 every other odd
6.7	15 – 71 every other odd
7.1	3 – 9 odd, 13 – 23 odd, 43 – 103 every other odd
7.2	9 – 65 every other odd
7.3	17 – 57 every other odd
7.4	5 – 69 every other odd, 81, 83
7.5	7 – 33 odd
7.6	9 – 73 every other odd
7.7	11 – 67 odd
7.8	13 – 57 every other odd
8.1	7 – 29 odd
8.2	5 – 15 odd, 21 – 65 every other odd, 79 – 93 odd
8.3	9 – 15 odd, 29 – 51 odd
8.4	3 – 21 odd, 25 – 81 every other odd
9.1	9 – 81 every other odd, 87 – 93 odd
9.2	7 – 87 every other odd
9.3	11 – 71 every other odd
9.4	15 – 63 every other odd
9.5	9 – 85 every other odd
9.6	11 – 79 every other odd
9.7	11 – 31 every other odd, 41 – 69 every other odd
9.8	9 – 97 every other odd
10.1	3 – 21 odd, 25 – 37 odd, 41 – 59 odd
10.2	9 – 33 every other odd, 63 – 83 every other odd
10.4	13 – 61 every other odd
10.5	17 – 57 every other odd
10.6	9 – 41 odd

Mon	Tue	Wed	Thu	Fri
August 21	**22** **5.1 (in recitation)** ***Linear Inequalities***	**23** **5.2** ***Compound Inequalities***	**24**	**25** ***5.3, 5.4: Absolute Value Equations & Ineqs***
28	**29** *HW1 due (5.1 – 5.4)*	**30** ***5.5 Systems of Linear Inequalities***	**31** **Quiz 1 (5.1-5.4)**	**September 1** ***6.1 GCF & Factoring by Grouping***
4 **Labor Day** **No classes**	**5** *HW2 due (5.5 & 6.1)*	**6** ***6.2 – 6.4: Factoring Trinomials***	**7** **Quiz 2 (5.5 & 6.1)**	**8** ***6.5, 6.6: Diff of squares; Sum & Diff of cubes***
11	**12** *HW3 due (6.2 – 6.6)*	**13** ***6.7 Solving equations using factoring***	**14** **Quiz 3 (6.2-6.6)**	**15** **REVIEW**
18	**19** **EXAM 1** ***(5.1-5.5; 6.1-6.7)*** **7:10 – 8:05pm**	**20** ***7.1 – 7.2: Multiplying & Dividing Rational Exprs*** *HW4 due (6.7)*	**21**	**22** ***7.3, 7.4 LCDs; Add & Subtract Rational Expressions***
25	**26** *HW5 due (7.1 – 7.4)*	**27** ***7.5 Complex Fractions***	**28** **Quiz 4 (7.1-7.4)**	**29** ***7.6 Solving Rational Equations***
October 2	**3** *HW6 Due (7.5 & 7.6)*	**4** ***7.7, 7.8: Apps of Rtional Eqns; Variation***	**5** **Quiz 5 (7.5 & 7.6)**	**6** ***8.1, 8.2: Intro to relations & functions***
9	**10** *HW7 Due (7.7 – 8.2)*	**11** **REVIEW**	**12** **FALL BREAK**	**13** **FALL BREAK**
16	**17** **EXAM 2** ***(7.1-7.8; 8.1, 8.2)*** **7:10 – 8:05pm**	**18** ***8.3, 8.4: Graphs & Algebra of functions; Composition***	**19**	**20** ***9.1, 9.2: Definition of n-th root; Rational exponents***
23	**24** *HW8 Due (8.3 – 9.2)*	**25** ***9.3, 9.4: Simplifying radicals; Adding & Subtracting radicals***	**26** **Quiz 6 (8.3-9.2)**	**27** ***9.5, 9.6: Multiplying & Dividing radicals***
30	**31** *HW9 Due (9.3 – 9.6)*	**November 1** ***9.7, 9.8: Solving radical equations; Complex numbers***	**2** **Quiz 7 (9.3-9.6)**	**3** ***10.1 Square rt prop & completing the square***
6	**7** *HW10 Due (9.7– 10.1)*	**8** **REVIEW**	**9** **Quiz 8 (9.7-10.1)**	**10** **Veterans Day** **No classes**
13	**14** **EXAM 3** ***(8.3, 8.4; 9.1-9.8; 10.1)*** **7:10 – 8:05pm**	**15** ***10.2 Quadratic Formula***	**16**	**17** ***10.4 Graphs of quadratics***
20	**21** **Quiz 9 (10.2)**	**22** **No classes**	**23** **Thanksgiving Day** **No Classes**	**24** **No classes**
27	**28** *HW11 Due (10.2 & 10.4)*	**29** ***10.5 Vertex of parabolas***	**30** **Quiz10 (10.4)**	**December 1** ***10.6 Applications of quadratics & modeling***
4	**5** *HW12 Due(10.5 & 10.6)* **Final Review: Recitation**	**6** **Final Review: Lecture**	**7** **Reading Day**	**8**
11	**12** **FINAL EXAM** ***(Comprehensive)*** **8:00-9:45pm**	**13**	**14**	**15**

NOTE: ***Recitations will still be held on exam days.***