

# College Algebra (Math 108)

Fall 2009, MWF 1:00 - 1:50AM, EGRA 320

**Instructor** Dr. Dashun Xu

273 Neckers Hall A Wing.

E-mail: dxu@math.siu.edu. Phone: 453-6572.

Course webpage: [www.math.siu.edu/xu-d/ma108-09Fall.htm](http://www.math.siu.edu/xu-d/ma108-09Fall.htm)

**Office Hours:** MWF 2:20 - 4:20PM or by appointment

**Textbook:** 1. *Algebra & Trigonometry*, by Beecher, Penna, Bittinger, 3rd Ed. 2008. We shall cover Chapter 1, 2, 3, 4, and sections 8.1, 8.2 (8.3).

2. *LECTURE NOTES FOR MATH 108 COLLEGE ALGEBRA*, by Thara Lowndes and Daniel Mussa

**Homework :** Homework will be posted on the course webpage, and collected every **Friday** at the beginning of the class. Late homework will be not accepted. You are required to do every assignment. You are **strongly** encouraged to work with other students.

**Exams:** Pop-up quizzes will be given occasionally. There will be four one-hour exams and a comprehensive final exam. The hour exams are tentatively scheduled for Week 5 (or 6), 9(or 10), 13 and 15.

**Grading Policy:** Two lowest homework (or quizzes) grades will be dropped. The course grade will then be computed as follows:

Homework & Quizzes 20%, Hour-exams 30%, Final 50%

Letter grades will then be assigned according to the scale:

A, 100-90; B, 89-80; C, 79-70; D, 69-60; F, below 59.

However, you must get **at least 60% on the final** to pass this course with C

**Make-ups:** There is NO make up on quizzes. Make-ups on hour-exams are given only under extreme circumstances and you need to provide a written excuse for your absence.

**Attendance:** Students are required to attend all class meetings except for illness or a family emergency. If a student misses class meetings for **two weeks** successively (or misses **three homework** successively), he/she is regarded to give up this class and will be assigned F (if he/she did not drop the course). Class has been **missed** if you show up after 1:15pm.

**MathXL:** Students who purchase a new book will be able to get free access to Mathxl, the online tutorial site developed by Addison Wesley. You can also purchase an electronic version of the book to get the access. Go to the webpage [http://www.pearsoncustom.com/il/siuc\\_math/](http://www.pearsoncustom.com/il/siuc_math/) for help in registration.

**Tutorial sessions (FREE):** 1. Trueblood and Lentz (tutoring sites are in lower levels adjacent to computer labs), Sun-Thurs 6:00-9:00pm

2. College of Science Study Area (Neckers B Wing 2nd Floor), Mon-Thurs 4:00-9:00pm, Sun 7:00-9:00pm

**Minimum requirement for homework:** if your homework assignment does not conform to the below MINIMUM STANDARDS, the grader will not grade your paper and a zero will be recorded in the gradebook.

1. The first page of your homework must contain your name, course and section number.

2. Do not write in red ink or red pencil. Write neatly or type.

3. The assigned exercises or items must be numbered, labeled and in numerical and/or assigned order.

4. All pages must be **stapled** together in the upper left-hand corner.

5. Show your work. Do not just give the answer.

**\*\* Homework due at the BEGINNING OF THE CLASS on the due date. All work must be completed before coming to class, including cutting and stapling.**

### Lecture Schedule

Week 1: Review      Week 2: 1.1 – 1.2      Week 3: 1.3 – 1.4

Week 4: 1.5 – 1.6      Week 5: 1.7 – 2.2      Week 6: 2.3

Week 7: 2.4 – 2.6      Week 8: 8.1 – 8.3      Week 9: 3.1 – 3.2

Week 10: 3.3 – 3.4      Week 11: 3.5 – 3.6      Week 12: 4.1 – 4.2

Week 13: 4.3 – 4.4      Week 14: 4.5 – 4.6

**Emergency Procedures** Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on BERT's website at [www.bert.siu.edu](http://www.bert.siu.edu), Department of Safety's website [www.dps.siu.edu](http://www.dps.siu.edu) (disaster drop down) and in Emergency Response Guideline pamphlet. Know how to respond to each type of emergency.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

LIST OF HOMEWORK PROBLEMS (subject to change)

Review: R.1: 13, 15, 23

R.2: 13, 23, 39, 47, 87

R.3: 9, 31, 41

R.4: 3, 9, 29, 31, 43, 51, 61, 69, 117, 119

R.5: 3, 11, 15, 37, 39, 55, 57

R.6: 3, 5, 13, 23, 29, 51, 55, 59, 61, 71, 89, 91, 97, 109, 113

R.7: 25, 31, 39, 45, 51

Chapter 1:

Section 1.1: 15, 27, 37, 41, 63, 71, 73, 75, 77, 83

Section 1.2: 21, 27, 31, 35, 45, 47, 49, 51, 61, 71

Section 1.3: 15, 23, 25, 29, 49, 65

Section 1.4: 13, 29, 33, 45, 49

Section 1.5: 5, 13, 21, 23, 25, 29, 31, 37, 39, 43, 59, 61

Section 1.6: 3, 7, 13, 19, 53, 57, 61, 63, 79, 93

Section 1.7: 3, 7, 17, 27, 33, 53, 61, 85, 87, 97, 99, 129, 131

Chapter 2:

Section 2.1: 19, 41, 51, 55, 79, 89, 101

Section 2.2: 9, 21, 41, 49, 51, 63, 75, 79, 94

Section 2.3: 11, 17, 19, 37, 41, 57, 63, 77, 83, 85, 87, 97, 101

Section 2.4: 3, 7, 13, 17, 19, 23, 35, 37, 49, 59

Section 2.5: 9, 13, 17, 19, 37, 53, 59, 75, 91, 105

Section 2.6: 7, 9, 17, 19, 33, 35, 47, 51

Chapter 8:

Section 8.1: 7, 17, 23, 31, 39, 49, 57

Section 8.2: 5, 9, 13, 23

Section 8.3: 9, 11, 15, 21, 27, 31

Chapter 3:

Section 3.1: 11, 13, 23, 27, 31, 37, 39, 43, 45, 83, 85, 89

Section 3.2: 13, 15, 17, 23, 25, 29

Section 3.3: 3, 5, 13, 15, 21, 23, 33, 35, 39, 41, 45, 51, 59, 65

Section 3.4: 1, 3, 9, 15, 19, 21, 47, 55, 57, 65, 67

Section 3.5: 9, 11, 13, 15, 17, 29, 33, 35, 47, 49, 57, 73

Section 3.6: 1, 3, 5, 11, 13, 19, 25, 31, 43, 49, 65

Chapter 4:

Section 4.1: 13, 15, 21, 27, 31, 43, 47, 51, 53, 57, 67, 69, 79, 85

Section 4.2: 11, 17, 21, 29, 41, 43, 45, 65

Section 4.3: 13, 15, 21, 29, 39, 41, 43, 47, 79, 81, 83

Section 4.4: 7, 15, 19, 23, 27, 39, 41, 45, 69, 73, 85, 87, 91

Section 4.5: 3, 5, 7, 9, 19, 23, 35, 37, 43, 47, 51 or

Section 4.6: 1, 7, 9, 13, 15, 17