

Math 65

Course Information Sheet

Textbook: Rockswold, G., Krieger, T., Beginning & Intermediate Algebra, 2nd Ed., Pearson/Addison Wesley, 2009. ISBN-13: 978-0-321-50005-2.

- Cover all of chapters 1 – 6 and sections 1 – 3 of chapter 7.

Course Outline of Record

- All course outlines can be found on the LPC Website under Programs/Courses: http://www.laspositascollege.edu/programs/course_outlines/math_index.php or on the Math Department Blackboard site.
- **Your teaching contract requires that you cover all of the material listed in the Course Outline of Record.**
- The Course Outline is our contract with our transfer institutions, with each other and with our students about what the course will include.
- Any instructor who does not carefully follow the course outline risks the possibility of not being allowed to teach that course again at LPC.

Math Lab Requirements

- There is a **required** TBA (to be arranged) lab hour attached to this course,
- Students are **required** to go to the **Open Math Lab** in the **Integrated Learning Center** to work on lab assignments for a minimum of 17 lab hours over the semester.
- Your syllabus must state the Math Lab requirement.
- Recommended - minimum of eight lab assignments. Students may be given more than one week to complete an assignment. Lab assignments must be something more than doing homework.
- Core Lab assignments for Math 65 are available on the Mathematics Department Blackboard website. There are also examples of math labs that other instructors have created; we encourage you to share labs with other instructors.
- The Open Math Lab also provides a place for students to get help on assignments.

Student Learning Outcomes

- Student Learning Outcomes, SLOs, are learning proficiencies the Department feels every student should be encouraged master. Course-level SLOs for Math 65 connect with our program level SLOs of communication, multiple representations and problem-solving.
- The following course-level SLOs for Math 65 should be listed in your course syllabus:

Upon successful completion of Math 65, a student should be able to

- **graph the solution set of a given linear equation in two variables using the rectangular coordinate system. (multiple representations)**
- **interpret slope in the context of a problem. (communication)**
- **solve a polynomial equation using factoring techniques. (problem-solving).**

- Assessment of SLO's is voluntary for adjunct faculty. However, if you do assess the SLO's, you should follow the department procedure. The SLO's for Math 65 will be assessed within an exam. Each instructor may write their own assessment. More information about assessment of SLO's including example questions for assessment will be available in the fall.

Math 65 Course Materials

- are available on the math department's blackboard site. To gain access to this site, please contact the course coordinator Brenda Weak.
- These materials include:
 - the course outline of record;
 - a table summarizing teacher resources for this course (e.g., labs, group activities);
 - core lab assignments;
 - sample homework lists; and,
 - a sample course calendar.

Suggestions regarding content

- **Chapter 1:** This chapter is largely a review of material from Pre-Algebra and can be covered fairly quickly. It is recommended that you spend no more than 5 days on this chapter.
- **Chapter 6:** course content includes solving both quadratic and higher-degree polynomial equations by factoring
- **Chapter 7:** cover only sections 1 – 3. In Math 55 students will review sections 1 – 3 and then cover the rest of the chapter.

Math Department Policy on use of OPTIONAL online materials

- For Elementary and Intermediate Algebra, MyMathLab is the only online system to be used by instructors.
- Use of this system is optional.