

11th Grade Course Description: Algebra II

Instructor: Mr. Hedman

East House: Room 7

Course Info

Welcome to Algebra II. Like all math subjects, algebra helps you develop problem-solving skills. The only way to develop these skills is by... solving problems. These are not problems where the teacher shows you one example and you practice by doing 50 of the same kind of problem. These are problems which introduce you to new situations and new ways of thinking. These are problems which stretch your brain...

Algebra II is built on the foundations of basic algebra and geometry. You will need to remember these topics to be successful in Algebra II. You may need to spend extra time to review your understanding of these topics. This is your responsibility!

You will gain experience with algebraic solutions of problems in various content areas, including the solution of systems of linear and quadratic equations, logarithmic and exponential functions, the binomial theorem, the complex number system, and probability. Successful completion of Algebra II will prepare you for Statistics and PreCalculus which is where the fun really starts.

Biographical Info

Mr. Hedman graduated from Brigham Young University with a major in Mechanical Engineering and a minor in International Relations. He worked four summers at Lawrence Livermore National Laboratory where he got to play with lasers. While attending graduate school at UC Irvine he decided to pursue a career in education. He earned his single subject credential at Concordia University in Irvine. Mr. Hedman taught four years at Phoenix Academy in Santa Ana. He has now taught 8 years at International Polytechnic High School in Pomona.

Contact Information

I-Poly (via front office) (909) 869-4567

Voice Mail (714) 328-3083

Email: damon.hedman.2011@gmail.com

Grading System

- 15% Project: Integrated
- 15% Project: Math Component
- 15% Classwork, Homework
- 15% Presentations, verbal assessments
- 15% Computer work
- 15% Tests and quizzes
- 10% Teacher Discretion

Notebooks: Each student will keep most work in a notebook reserved for math class. Mr. Hedman will do spot checks of student notebooks AT ANY TIME. Notebook will, periodically, be collected for a more thorough check. Notebooks need to be brought to class EVERY DAY.

Verbal Assessment: Mr. Hedman will also be assessing your verbal answers to questions.

Computer Work: We will, hopefully, be using an online tutorial MathXL. More details coming soon.

Quizzes and Tests: Getting into, and succeeding, in college requires the ability to take tests. So we want to give you opportunities to practice. :)

Grading Scale

> 100%	Exemplary
90 - 99%	Approaching Exemplary
80 - 89%	Proficient
70 - 79%	Approaching Proficient
60 - 69%	Credit
< 59%	No Credit

Supplies Required

Students will need the following materials:

- Pens/pencils (black or blue ink - no gel pens, markers, or crayons.)
- 8.5" by 11" Spiral notebook to be used **ONLY** for math
- TI-83 (or better) Calculators are **STRONGLY** recommended

Classroom Rules

1. No food or drink will be allowed in classrooms.
2. Only *one person at a time may leave class* for bathroom breaks.
3. All non-core activities (ASB, yearbooks, etc.) need to be taken care of during the last 10 minutes of class.
4. Classroom printers are only available for student use after school hours.
5. Use of cell phones is not allowed in class.