

**MATH 105**  
**Mathematical Ideas**  
**Course Outline**  
(3.00 units)

Topics	# of weeks
Chapter 2 – Sets Sections 2.1 – 2.5.	2.0
Chapter 3 – Logic Sections 3.1 – 3.6.	2.0
Chapter 9 – Geometry Sections 9.1 – 9.6.	2.0
Chapter 11 – Consumer Mathematics Sections 11.1 – 11.5.	2.0
Chapter 12 – Probability Sections 12.1 – 12.7.	3.0
Chapter 13 – Statistics Sections 13.1 – 13.7.	2.0
<u>Tests</u>	<u>1.0</u>

Textbook: A Survey of Mathematics With Applications, 8th ed.,  
Angel, Abbott and Runde, Pearson / Addison Wesley 2009.

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**This General Education course is designed to meet the following four learning goals and the instructor should keep these goals in mind as he/she teaches this course.**

<b>General Education Goals</b>
1. Construct and evaluate logical arguments.
2. Apply and adapt a variety of appropriate strategies to solve mathematical problems.
3. Recognize and apply mathematics in contexts outside of mathematics.
4. Organize and consolidate mathematical thinking through written and oral communication.

Revised: Jan 2010