**Applied Math**

**Syllabus**

**Textbook**: Simms Integrated Mathematics Level 1 (3rd edition), copyright 2003, 2006 by Kendall/Hunt Publishing Company.

From page ix: “**Level 1** concentrates on the knowledge and understanding that students need to become mathematically literate citizens, while providing the necessary foundation for those who wish to pursue careers involving mathematics and science. Each module presents the relevant mathematics in an applied context. These contexts include human nutrition, the properties of reflected light, population growth, structural physiology, and topographic maps, among others. Mathematical content includes data collection, presentation and interpretation; linear, quadratic, and exponential functions; probability; trigonometric ratios; and an introduction to graph theory.”

The Modules for this course include:

Module 1 Reflect On This

Module 2 I’m Not So Sure Anymore

Module 3: Yesterday’s Food is Walking and Talking Today

Module 4: A New Look at Boxing

Module 5: What Will We Do When the Well Runs Dry?

Module 6: Skeeters are Overrunning the World

Module 7: Oil: Black Gold

Module 8: When to Deviate from a Mean Task

Module 9: Are You Just a Small Giant?

Module 10: Graphing the Distance

Module 11: A New Angle on an Old Pyramid

Module 12: From rock Bands to Recursion

Module 13: Under the Big Top but Above the Floor

Module 14: From Here to There

Module 15: Going In Circuits