Mathematical Modeling  
Spring 2010  
Course Syllabus

Instructor: Dr. Holly Rosson

Contact Information:  
Email: hrosson@warren-wilson.edu  
Office: Spidel 210, Extension 3099  
Office Hours: MWF 9:30-11:00, MW 2:30-4:00. Others by appointment or by chance.

The Course:  
Time: TTHF 2:30-3:50.  
Textbook: A Course in Mathematical Modeling, by Mooney and Swift  
Description: An introduction to Number Theory.  
Goals: The successful student will be able to:

- Develop an understanding of a few of the mathematical techniques required for modeling  
- Become competent in creating and interpreting models that describe real life situations  
- Become skilled with mathematical software which will help implement the results  
- Refine critical thinking and problem solving skills

Grading: Your final letter grade for this course will be determined by the fraction of 650 possible points you earn. The components of the total score are:

- Participation: 50  
- Exams: 100  
- Homework: 100  
- Projects: 400  

Total: 650

Participation: A portion of your grade will depend upon your attendance and willingness to participate in class discussions. It is expected that you attend each class on time and be ready to participate. More than three absences will lower your final grade. A large portion of this grade will also be drawn from full participation in each of the transition sessions.

Homework: Homework assignments are assigned daily and posted on the course web page. Homework will be collected weekly, with exact due dates announced in class and on the course web page.

Exams: There will be two exams, each worth 50 points. The exact date of each exam will be
announced at least one week before the exam will be given.

**Projects:** Several projects will be assigned throughout the semester and will be weighted heavily in the final grade for the course.

**Academic Honesty:** Homework can and should be worked on and discussed with others. All exams will be closed book and closed notes, and obviously no collaboration is allowed on exams. Cheating of any sort will not be tolerated and will result in an immediate F in the course.

**Special Needs:** Any student with a disability for whom special accommodations would be helpful should discuss this with me during the first week of class. Any student eligible for and needing academic accommodations because of a disability is requested to meet with Deborah Braden, Educational Access Coordinator, Dodge House, ext. 3791 or dbraden@warren-wilson.edu to prepare an accommodation plan. Please try to do this during the first two weeks.

**Academic Support Services:** Academic support services are available to assist students in developing and improving study skills, time management, test and note-taking strategies, dealing with stress, and math anxiety.