

Spring 2007 Math 400.01: Introduction to Knot Theory  
MWF 12:30-13:20, Olin 215

**Instructor:** Lew Ludwig                      **Office:** Olin 204  
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**Office Hours:** 14:30-13:20 MTWF,      **Homepage:** www.denison.edu/ludwigl  
also by appointment  
or chance, I'm usually in

**Text:** *Knots and Surfaces: A Guide to Discovering Mathematics* by Farmer and Stanford and *The Knot Book* by Colin Adams.

**Syllabus:** This course will tentatively cover the major concepts of the following chapters in the text:s

<u>Knot and Surfaces</u>	<u>The Knot Book</u>
Ch. 1 Networks	Ch. 1 Introduction
Ch. 2 Surfaces	Ch. 2 Tabulating Knots
Ch. 3 Knots	Ch. 3 Invariants of Knots
	Ch. 4 Surfaces and Knots
	Ch. 5 Types of Knots
	Ch. 6 Polynomials

**Assessment:** The course grade will be determined by the following:

Exams (2)	30 per cent
Projects	30 per cent
Weekly quizzes/homework	40 per cent

FINAL: 2:00-4:00 Friday May 4

**Grades:** Final grades will be calculated on the following scale

100-93% A, 92.9-90% A-, 89.9-87% B+,  
86.9-83% B, 82.9-80%B-, 79.9-77% C+,  
76.9-73% C, 72.9-70% C-, 69.9-67% D+,  
66.9-63% D, 62.9-60% D-, 59.9-0% F

**Attendance:** Regular attendance is expected. **No late work** will be accepted. **No make-up** exams will be given.

**Disability Accommodation:** Any student who feels he or she may need an accommodation based on impact of a disability should contact me privately as soon as possible to discuss your specific needs. I rely on the documented files at the Office of Academic Support in 104 Doane to verify the need.