

## Some information about Math 74, Spring 2005

### TOPOLOGY II: INTRODUCTION TO ALGEBRAIC TOPOLOGY

#### INSTRUCTOR

Alexander Shumakovitch. I can be found in 402 Bradley Hall. You can also reach me by e-mail: Shurik@Dartmouth.EDU (preferred) or by phone: (603) 646 1614.

#### LECTURES

MWF 10:00–11:05am in 215 Silsby Hall. The X-hour is Thursday 12:00–12:50pm.

#### TENTATIVE OFFICE HOURS

TuF 6:00–7:00pm; Th 1:00–2:00pm or by appointment.

#### TEXTBOOK FOR THE COURSE

“Elementary Topology, A First Course: Textbook in Problems” by O. Viro, O. Ivanov, N. Netsvetaev, and V. Kharlamov. Available from

<http://www.math.uu.se/~oleg/2topoman.pdf>

A hardcopy can be purchased from the Copy Center (Thayer Hall, 2nd floor).

**Secondary textbook:** “Algebraic Topology” by Alan Hatcher, Cambridge University Press, 2002; also available from

<http://www.math.cornell.edu/~hatcher/AT/ATpage.html>

#### ADDITIONAL INFORMATION ABOUT THE COURSE

Available at <http://www.math.dartmouth.edu/~m74s05>

#### EXAMS

There will be one take-home midterm and the take-home final exam. The midterm will be given on **April 27**, Wednesday and is due on **May 2**, Monday. The final exam will be given on **June 3**, Friday and is due on **June 7**, Tuesday.

You are expected to **work alone** on the exams. You may use any printed matter (or your class notes) of your choice but you **may not consult** one another or other humans.

If you have a legitimate conflict with the exams dates and times, please contact the instructor as soon as possible, **do not wait until shortly before the exam**. Final exam **will not be given early** to accommodate travel plans.

#### X-HOURS

We will meet on X-hours (almost) **every week** to discuss homework problems. Each time a random student will be chosen to present his/her solutions to selected problems. These presentations will count towards the final grade. Please note that you can always **decline** an opportunity to present your solutions if you feel uncomfortable about it.

## HOMEWORK POLICY

Homework sets will be assigned for each class but are to be handed in weekly. Assignments for a given week are usually to be submitted in class next **Wednesday**. There will also be appropriate adjustments for holidays. You can check the exact due dates on the Homework Assignments web page.

Besides usual written assignments, additional practice problems will be listed for some classes. You are strongly encouraged to solve these problems, but please **do not** hand in solutions to them. Their sole purpose is to help you better prepare for the exams.

Late homework **will not be accepted** in the absence of divine intervention or matters of similar weight. Unexcused late and missing papers **count zero**.

## GRADES

The course grade will be based upon the scores for the homework (including presentations), midterm and final exams.

In-class presentations of homework	20 points
Homework	100 points
Midterm Exam	100 points
Final Exam	130 points
<b>Total</b>	<b>350 points</b>

## THE HONOR PRINCIPLE

**On Exams:** No help given or received.

**On Homework:** Collaboration is permitted and encouraged, but **NO COPYING**. Each student is expected to complete his or her assignments individually and independently.

## DISABILITIES

Students with disabilities who will be taking this course and may need disability-related classroom accommodations are encouraged to make an appointment to see their instructor as soon as possible. Also, they should stop by the Academic Skills Center in Collis Center <http://www.dartmouth.edu/admin/acskills> to register for support services.