

Math 31: Topics In Algebra
Dartmouth College
Winter, 2003

Instructor: David Little

Lecture: MWF 10:00-11:05, Gerry 104

X-period: Th 12:00-12:50, Gerry 104

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Office: Bradley 411

Office Hours: MWF 2:00-3:30, or by appointment

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Textbook: Gallian, Joseph A., *Contemporary Abstract Algebra*, 5th Edition, 2002, Houghton Mifflin Company.

Course Description:

This course will provide an introduction to abstract algebra. The majority of the course will introduce the basic algebraic structures of groups, rings and fields. Applications will be given as time permits.

Grading Policy:

The overall grade will be based on written homework (20%), 2 midterms (25% each) and a final exam (30%).

Homework Policy:

Homework will be assigned on a regular basis and is to be turned in at the beginning of class on the due date. Solutions should be written up in a clear and concise manner. No late homework will be accepted.

Academic Integrity:

Dartmouth students are expected to adhere to the honor principle. For this course, while collaboration on homework is encouraged, each person must hand in their own work. Students may not copy solutions from *any* source. The midterm and final examinations will be closed book and closed notes.

Students with 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 to register for support services.

Important Dates:

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| Jan. 11 | No Class |
| Jan. 16 | Class meets during x-period |
| Jan. 20 | Martin Luther King, Jr. Holiday, No Class |
| Jan. 23 | Class meets during x-period |
| Jan. 29 | Midterm, Time/Location TBA |
| Feb. 7 | Carnival Holiday, No Class |
| Feb. 13 | Class meets during x-period |
| Feb. 19 | Midterm, Time/Location TBA |
| Mar. 10-13 | Final Exam Period |

Do not make plans to leave Hanover on or before March 13th. The Final Exam will not be given early to accommodate travel plans.