The George Washington University
Department of Mathematics
Math 9-11: Mathematical Ideas I
Fall 2003
M, W 2:00–3:15 p.m.
Funger Hall (2201 G Street), Room 208

Professor: Valentina Harizanov
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Office Hours: M 3:20–4:30 p.m.
W 12:20–1:50 p.m.
At other times by appointment.

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Textbook

Syllabus
Part I of the textbook: Mathematics of Social Choice
Chapter 1. The mathematics of voting
Chapter 2. Weighted voting systems
Chapter 3. Fair division
Chapter 4. The mathematics of apportionment
Part III of the textbook: Growth and Symmetry

Chapter 1. Spiral growth in nature
Chapter 2. The mathematics of population growth
Chapter 3. Symmetry
Chapter 4. Fractal geometry

Grading

Final Exam (cumulative), Monday, December 15, 2003 1:30–3:30 p.m. (tentative schedule): 35%
Midterm Exam, Wednesday, October 15, 2003: 25%
Two Graded Take-Home Assignments: 10% (5% each)
Quiz #1, Wednesday, September 17, 2003: 10%
Quiz #2, Wednesday, October 1, 2003: 10%
Quiz #3, Wednesday, November 5, 2003: 10%
Quiz #4, Wednesday, November 19, 2003: 10%

The lowest quiz score will be dropped. No make-up quizzes will be given for any reason.

Best wishes for a successful semester!