

Math 306 Foundations of Mathematics, Section 02

Ohio University, Fall Quarter 2005

Section 02 Call Number: 07115

Section 02 Meetings: 11:10am - noon Monday, Tuesday, Thursday, Friday in Morton Hall Room 322

Section 02 Instructor: Mark Barsamian, <Mark.Barsamian.1@ohio.edu>

Office: Morton Hall Room 538, (740)593-1273

Office Hours: 10:00-11:00 and 1:00-2:00 Mon, Tues, Thurs, Fri

Course Information Online: I will post all handouts for the course on the "Blackboard" site for the course. In addition, there is a course web page at <http://www.math.ohiou.edu/~barsamian/2005f306/2005f306.html>

Text: Discrete Mathematics with Applications, 3rd Edition, by Susanna S. Epp; published by Brooks/Cole, 2004; ISBN: 0-534-35945-0.

Course Description: An introduction to mathematical thinking and formal proofs. We will cover portions of the first ten chapters of Epp's book, omitting chapters six and nine. Topics include The Logic of Compound and Quantified Statements, Methods of Proof (in the setting of elementary number theory), Sequences, Induction, Set Theory, Functions, Recursion, and Relations. **Prerequisites:** Math 263A or 163B

Grading:

Homework (best 10 of 11 assignments, 10 points each):	100 points
Midterm Exams (3 x 200 points each):	600 points
Final Exam:	300 points
Total Points Possible for the Semester:	1000 points

There will be no curve. The table below shows the scale that is used for all grading, along with the actual point values to which it corresponds. Each time I hand back a graded exam, I will tell you your current course grade.

Letter	Percent	Midterm	Final Exam	Course Total
A	90% - 100%	180 - 200	270 - 300	900 - 1000
A-	85% - 89%	170 - 179	255 - 269	850 - 899
B+	80% - 84%	160 - 169	240 - 254	800 - 849
B	75% - 79%	150 - 159	225 - 239	750 - 799
B -	70% - 74%	140 - 149	210 - 224	700 - 749
C+	65% - 69%	130 - 139	195 - 209	650 - 699
C	60% - 64%	120 - 129	180 - 194	600 - 649
C -	55% - 59%	110 - 119	165 - 179	550 - 599
D	40% - 54%	80 - 109	120 - 164	400 - 549
F	0% - 39%	0 - 79	0 - 119	0 - 399

Homework: You may work together on homework, but the words that you write should be your own. Late homework will not be accepted. Your lowest homework score will be dropped.

Attendance: Because attendance is important for your learning, and because late arrivals are disruptive to the class, I take attendance at the beginning of each class meeting. You may miss roll call four times without penalty. After that, I penalize you 10 points each time you are absent or late. If you need to miss class for a university-sanctioned activity, you should bring me a university letter explaining the absence *before* the days when you will be gone, to avoid penalty. If you have an illness that causes you to miss class, you should seek treatment at the student health center and notify me so that I can call the health center for verification.