

MTH 215-01 FOUNDATIONS OF ADVANCED MATHEMATICS
MWF: 1 – 1:50 p.m. SPRING 2005 SH 305

INSTRUCTOR: Kent Herron

E-MAIL: kherron@coe.edu

Webpage: public.coe.edu/~kherron

OFFICE: Stuart Hall 318

OFFICE PHONE: 399-8681

HOME PHONE: 319-351-2764

CELL PHONE: 319-270-4030

OFFICE HOURS: 10-11 a.m. MWF, 2-2:30 p.m. MWF and By Appointment

TEXT: *Sets, Functions, and Logic – An Introduction to Abstract Mathematics*, 3rd ed by Devlin

Evaluation Information:

1. There will be several problem sets during the semester. These will count 200 possible points.
2. Class attendance & participation (including possible unannounced quizzes) will be worth 200 points.
3. Exams: There are 4 in-class exams scheduled. These will be worth 75 points each.
4. The Final Exam will be on April 29 from 11 a.m. – 1 p.m. The final will be worth 200 points.
5. Math Culture Points – These will be earned through various mathematics related activities outside of Class. These will be worth 100 points and can be chosen from the following:
 - a) Math Colloquium Attendance 15 points
 - b) Math Colloquium Presentation 25 points
 - c) Math Culture Reading: any column on MAA.com or an article from Math Horizons 10 points
 - d) Math Club Activities 10 points
(Meetings, Movies, Pi Day Celebration, Speakers, etc)

It is expected that all work will be completed on time as scheduled. Late work will generally be subject to a penalty assessment.

Grades will generally follow a scale of 90 – A; 80 – B; 70 – C; 60 – D

CLASS SCHEDULE

Monday	Wednesday	Friday
		Jan.11 – 1.1 – 1.5
14 – 2.1	16 – 2.2	18 – 2.3
21 – 2.4	23 – 2.5	25 – 2.5
28 – 2.6	30 – 2.7	Feb 1 – Exam 1
4 – 3.1	6 – 3.2	8 – 3.3
11 – 3.4	13 – 3.5	15 – 3.6
18 – 3.7	20 – 3.8	22 – Exam 2
25 – 4.1	27 – 4.2	29 – 4.3
Mar 3 – 4.4	5 – 4.5	7 – 4.6
10 – SPRING BREAK	12 – SPRING BREAK	14 – SPRING BREAK
17 – 4.7	19 – Continuum Hypothesis	21 – Exam 3
24 – 5.1	26 – 5.2	28 – 5.3
31 – 5.4	Apr 2 – NO CLASS – STUDENT SYMPOSIUM	4 – 5.5
7 – 5.6	9 – 5.7	11 – Exam 4
14 – 5.8	16 – 5.9	18 – Peano Axioms
21 – Peano Axioms	23 – Peano Axioms & REVIEW	

Tuesday, Apr. 29 FINAL EXAM – 11 a.m – 1 p.m.