MATH 290: Introduction to Advanced Mathematics
Syllabus for Summer Session A of 2016

Instructor: Prof. Flavia Colonna
Office: 4215 Exploratory Hall
Phone: (703) 993-1465 or (703) 993-1461 (Math. Dept. Office)
E-mail: fcolonna@gmu.edu
Homepage: http://mason.gmu.edu/~fcolonna/
Office Hours: MTWR 12:40 p.m. - 1:10 p.m., or by appointment.
Prerequisite: Math 114.

Textbook: D. Smith, M. Eggen, R. St. Andre, *A Transition to Advanced Mathematics*, 7th ed. Brooks/Cole, 2010. An older edition is acceptable.

Math 290 video by Dr. Singman:
http://www.youtube.com/channel/UCl6rFxcXdFlbiBvoENAqy5Q

Course Content: Chapters 1-5.

Homework: You are expected to solve all recommended homework problems, but your work will not be collected.

Tests: All tests are closed book. There will be three midterm tests on Mon. May 23, Wed. June 1, Thur. June 9, and a comprehensive final on Thur. June 16, 10:30 a.m.-1:15 p.m. There will be **no make-up tests**. If you miss a test, your final exam will count 1½ times. If you miss another test, the second missed test will be given a score of 0. If you have a dispute about a grade on a test, you must talk to me immediately after getting back your test.

Attendance: Each student is expected to come to class regularly. I will keep records of students' attendance and use these and class participation to decide grades at the end of the semester.

Percentages of final grade:

Midterm tests:		60%
Final exam:		30%
Attendance and Class Participation:		10%

Grading Scale: A+: 97-100, A: 94-96, A-: 90-93; B+: 87-89, B: 84-86, B-: 80-83; C+: 77-79, C: 74-76, C-: 70-73; D: 60-69; F: <60.

Final Exam: A student arriving after one hour from the beginning of the final exam will not be allowed to take it and will fail the class. To take the final **a picture ID is required**.

MATH 290: Introduction to Advanced Mathematics

Summer of 2016
Homework Assignments

Section	Problems
1.1	1(a-e),2(a-f),3(a-g),4(a-g),5(a-c), 6(a,d),8(a,b),10(a-c)
1.2	1(a-e),2(for parts a-e of 1 only),3(a-d),4(a-e),5(a-d),6(a-c),8(a-e),9(a,c), 12,13(a-e),14(a)
1.3	1(a-e),2(for parts a-e of 1 only),5(a-d),6(a-c),8(a-e),9(a-d),10(a-e)
1.4	2(b),3,5(a,b),6(a-c),7(a-e),8,9(a,b)
1.5	2(a-c),3(a-d),4(a),5(a),6(a,b),7(a),9
1.6	1(a-e),2(a,b),4,5(a-d),6(a,b),7(a-d)
1.7	1(a-c),2(b),3(a,b),4(a),5(a,b),6(a),7(b),8(a),9(b),11(a,c)
2.1	1(a-c),2,4(a-e),5(a,b,i-l),7,8, 9,10,13,14(a,d),15(a-d),16,17(b,d,f)
2.2	1(a-e),2(a-e),3(a-g),4,5(for parts a-e of 2 only),6(a-c),10(a-c),11(a-c),12(a-c), 13(a-c),16(a,b)
2.3	1(a-f),2(for parts a-f if 1 only),6(b),8(a,d),11(a,b),17(a-c)
2.4	1(a-c),2(a,b),4(a-e),5(a,b),6(a,b,d,g),7 (a-e,m,q),8(a,b)
2.5	2,5(a,b),6(a,b),11
2.6	1(a,b),2(a,c,e),4(a,b),6,9(a,b),15,16(a,b),18,22(d)
3.1	1(a,b),2(a,c),4(a,b),5,6(a-d),8(a-d),9(a-d),10(for parts a-d of 8 only),11(a-c), 13(a-c)
3.2	1(a-e),2(a-d), 5(a-c,g),7(a-c),8(a,b),9(a,b)
3.3	2(a-c),3(a-d),6(a-c),7,8(a,c)
3.4	1(a-c,f),2,4,5,7,9,10(a,b)
3.5	1,2(a-c),3(a,b),6,7,10
4.1	1(a-e),2(a,b),3(a-e),4(a-c),6(a,b),7(b,c),8(a-c),9(a,b),10
4.2	1(a-e),3(a),5(a-d),8,14(a-c),15(a),16(a,b),18(a,b)
4.3	1(a-f),2(for parts a-f of 1 only),4,8(a-c),9(a,b),10,11(a,b),12(a,b),13(a-c)
4.4	1(a,b,d),2(a,b,c),3(a,c,d),5(b),7(b,c)
4.5	1,3,5,6,8(b,c),10(a,e),13
4.6	1(a-c),2(for parts (a-c) of 1 only),3(a-e),5(a-f),6(a-c),8(a-c)
5.1	2(a-f),6,9,11(a,b),12,16
5.2	2(b,c),3(c-f),4(a-d),5(a-c),7(a-e)
5.3	8,9(b-e),10(a-c),12(a),13(a)
5.4	1,3,5(a-c),8(a,c),11
5.5	1(a-d),4,6