MATH 300: Introduction to Advanced Mathematics
Syllabus for Summer 2022 – Section A01

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Office Hours: TR 1:30 p.m. - 2:45 p.m. or by appointment.
Prerequisite: Math 114.
Textbook: Smith, Eggen, St. Andre, *A Transition to Advanced Mathematics*, 8th ed. Brooks/Cole, 2015.
Course Content: Most sections of chapters 1-5.

Course Format: I plan to make use of Blackboard (BB). Please, follow the recommendations below:

- Check frequently your email and any announcements posted on Blackboard. You will be held responsible for any missed assignment, quiz or test, class participation, even in case of announced rescheduling.
- You are expected to solve the homework problems listed in this syllabus, but your work will not be collected.
- There will be frequent class discussions on assigned homework problems that will count toward participation points.
- To be awarded participation points, please, consider presenting work in class or post it using the BB discussion board.
- I will post worksheets before each test. Make sure to work on these on your own before accessing the solutions, which will be posted before the test at a later time.

Tests: There will be three midterm tests and a comprehensive final exam.

- All tests are closed book and will take place in class.
- The dates of the midterm tests are **Wed. June 1**, **Wed. June 8**, and **Wed. June 15**. The lowest test score will be dropped. If you have a dispute about a grade on a test, you must talk to me immediately after getting back your test.
- The comprehensive final is scheduled for on **Thu. June 23, 10:30 a.m.-1:15 p.m.**
- 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.
- **A photo ID is required for each test**.

Quizzes: There will be several in-class quizzes. The dates will be announced in class ahead of time. The lowest quiz score will be dropped.

Make-Up policy: There will be no make-up tests or quizzes unless a student is seriously ill or under quarantine (documentation is required in each instance).
Attendance: Each student is expected to come to class regularly and participate actively in class discussions or problem-solving activities. 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:	50%
	Final exam:	30%
	Quizzes:	15%
	Attendance and class participation:	5%

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.

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Homework Assignments

Section	Problems
1.1	1(a-f),2(a-c),3(a-g),4(a-g),5(a-c), 6(a,d),8(a,b),10(a-c),11(a,g,j)
1.2	1(a-e),2(for a-e of 1),3(a-d),5(a-d),6(a-c),8(a-e),9(a,c),12 (a-d)
1.3	1(a-e),2(for a-e of),3(a-c),5,6(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,d),5(a),6(a,b),7(a),9
1.6	1(a-e),2(a,b),4,5(a-d),6(a,b)
1.7	1(a-e),2(b),3(a-c),5(a,b),6(a),7(a),9(a)
2.1	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),4,5,6(a-c),10(a-c),11(a-c),12(a-c),13(a-c),16(a,b)
2.3	1(a-f),2(for a-f of 1),7(b),9(a,d),12(a,b),17
2.4	1(a-c),2(a,b),4(a,b,d,g),5(a-e,m,q),6(a,b)
2.5	3,6(a,b),7(a,b),12
2.6	1(a,b),2(a,c,e),4(a,b),6,9(a,b),14,15(a,b),21(d)
3.1	2(a,b),3(a,c),6(a,b),7(a,c,e,g),8(a-d),10(a-d)
3.2	1(a-e),2(a-d),4,5,6(a-c,g),8(a-c),9(a,b),10(a,b)
3.3	2(a-c),4(a-d),7(a-c),8
3.5	1(a-c,f),2,4,5,7,9,10(a,b),11(a,b)
4.1	1(a-e),3(a-e),4(a,b),8,9(a-c),11(a),13
4.2	2(a-e),4(a),5(a-d),8,14(a-c),15(a),16(a,b)
4.3	1(a-f),2(for a-f of 1),4,9(a-c),10(a,b),11,12(a,b),13(a,b),14(a-b)
4.4	1(b,c,e),2(a-c),3(a,c,d),5(b),7(b,c)
4.5	1,3,5,7,10(b,c),12(a,e),14(c)
5.1	2,3(b-d),7,9,11(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),14(a)
5.4	1,3,4(a-c),6(a,c),9(a-c)