

# MA 141

(this document may be updated during the semester)

<b>Instructor</b>	<b>Name / Office</b>	Medvinsky Michael / SAS 3262	
	<b>Office Hours</b>	right after the class, by appointment or email	
		section 6, RD 450	section 7, BR 2211
	<b>Lectures</b>	M W F	11:45 am - 12:35 pm   12:50 pm - 1:40 pm
<b>TAs</b>	<b>Name/Office</b>	Ian Klein / SAS 3147	Andrew Murdza/SAS 3143
	<b>Office Hours</b>	by appointment, or W 9:30-10:30am F 2:00-3:00pm	T H 6:00-7:00pm
	<b>Recitations</b>	T H 11:45 am - 12:35 pm T H 4:30 pm - 5:20 pm T H 1:55 pm - 2:45 pm	RI 113 LMP 222 SAS 2235 LMP 334

**Requirement to take ALEKS:** This semester, all students enrolled in on-campus MA 141 sections will be asked to participate in an evaluation of the ALEKS math placement system. During the first 3 weeks of the semester (8/16-9/3), each MA 141 student who takes the ALEKS assessment at the DELTA Testing Center will be given 3 bonus percentage points on their first test in the course.

You will schedule a convenient 2 hour time block to take the assessment with the DELTA Testing Center, please watch for email communication from them about scheduling this and with further details. The average time for a student to finish the assessment is around 90 minutes.

We ask that you do your best on the test, but your score on it will have no impact on your enrollment in MA 141 nor any detrimental impact on your grade in the course. Scheduling a time and completing the assessment will only improve your test 1 grade, we'll add 3 points onto your grade. We are simply evaluating the assessment by gathering more information about student performance.

**Prerequisites:** MA 111 or MA 108 with grade of C- or better (see school website for alternatives)

**Text:** Franke, Griggs, and Norris, Calculus I for Engineers and Scientists, included with WebAssign.

**Description of the course:** MA141 is the first of three semesters in calculus sequence. The goal of MA141 is to master the basic tools for the study of functions  $f(x) = y$ , and become skilled in its use for solving problems in science and engineering.

**Recitations:** Each student will be enrolled in one of three Recitation sections. Recitation classes will provide opportunities for reviews, help on homework, team work, practice. Recitations assignments will be worth 15% of your final grade given that you have submitted at least 70% of the assignments.

**WebAssign:** All students must register online with WebAssign and pay the appropriate fees. Login to WebAssign use <https://www.webassign.net/ncsu/login.html>. Due dates can be found on the WebAssign page. Do not procrastinate; start these early. Late submissions will not be

accepted and no extensions will be given. WebAssign assignments will be worth 15% of your final grade given that you have submitted at least 70% of the assignments.

**Attendance policy** Attendance will be taken each class. Attendance will be recorded, with no distinction made between excused and unexcused absences, except in the event of a missed test. If you miss class or are late, you are still responsible for all material covered and assignments due. Attending less than 70% of the classes may negatively affect your course grade.

**Grading:** Provided that you have submitted at least 70% of each assignment your grade will be determined by your scores on the tests (40%), the final exam (30%), and the assignments Recitations(15%) and WebAssign (15%).

Letter grades are determined as follows: If  $X$  is your percentage grade, then  $\{X \geq 98\% \Rightarrow A+; X \geq 92\% \Rightarrow A; X \geq 90\% \Rightarrow A-; X \geq 88\% \Rightarrow B+; X \geq 82\% \Rightarrow B; X \geq 80\% \Rightarrow B-; X \geq 78\% \Rightarrow C+; X \geq 72\% \Rightarrow C; X \geq 70\% \Rightarrow C-; X \geq 68\% \Rightarrow D+; X \geq 62\% \Rightarrow D; X \geq 60\% \Rightarrow D - X < 60\% \Rightarrow D\}$ .

*I reserve the right to modify these in special cases and to decide if the curve is needed.*

### Strategies for Success:

- You are many - I am one. Your help is needed!!! If for any reason you feel something is wrong - please inform me immediately. I can only solve problems I'm aware of. The sooner you come to me the faster your problem (and may be not only yours) is solved.
- Attend class regularly. Check your email/Course website/Moodle site regularly. Read the relevant text book sections (and/or additional material if will be given) *before* you attend class. Ask questions and become involved during class sessions.
- Plan to do homework daily. You are encouraged to use computers to help learn and enhance the course material, as well as to solve and check homework problems. But keep in mind that your goal is to *understand* the material and that you will not have a computer with you during exams.
- Be accountable for your own education. You are responsible for resolving confusion about assignments, due dates, exam dates, accommodations, etc.
- Know how grades are computed at the start of the semester and plan your effort accordingly.

- Form study groups with other students. However, the assignments you turn in *must represent your own work*.
- Come to the office hours of the instructor or TA. If you email us - please identify yourself and the class clearly. If you request help in homework - show your work (snapping your handwork is ok) and explain your problem.

**Tutoring Center:** Free tutorial is available daily in the Multimedia Center<sup>1</sup> at 2103 / 2105 SAS Hall.

**Academic Integrity and Honesty:** Students are required to comply with the university policy on academic integrity and honesty found in the Code of Student Conduct<sup>2</sup>. *Honor Pledge:* your signature on any test or assignment indicates "I have neither given nor received unauthorized aid on this test or assignment."

**Accommodations for Disabilities** Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, student must register with the Disability Services Office<sup>3</sup>.

**Non-Discrimination Policy** NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination. Discrimination based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation is a violation of state and federal law and/or NC State University policy and will not be tolerated. Harassment of any person (either in the form of quid pro quo or creation of a hostile environment) based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation also is a violation of state and federal law and/or NC State University policy and will not be tolerated. Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at <http://policies.ncsu.edu/policy/pol-04-25-05> or [http://www.ncsu.edu/equal\\_op](http://www.ncsu.edu/equal_op). Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the Office for Equal Opportunity (OEO) at 919-515-3148.

**Tentative plan of lectures (to be adjusted to the actual course pace):**

week	chapters/sections	content
0,self reading	0.1,0.2	numbers and coordinate systems
1	0.3, 0.4	Functions, parametric functions
2-3	1.1-1.3, 2.1	Limits, Continuity, Derivatives
4-5	2.2-2.5	<i>Labor Day(M)</i> , <b>Test I</b> , Differentiation Rules (product, quotient,chain)
6	2.6	Implicit Differentiation, Special Functions Differentiation
7-9	2.7, 3.1 - 3.4	<i>Fall Break (M &amp; T)</i> , <b>Test II</b> , Related Rates, Linear Approx, Newton Method, Shapes of Curves, Optimization
10-11	3.5-3.6,	L'Hospital's rule, Differentials
12-13	4.1-4.3	Antiderivatives, Areas, Riemann Sums, Fundamental Theorem of Calculus, Techniques of Integration
14-15	4.4, 5.1,5.2	<i>Thanksgiving(W)</i> , <b>Test III</b> , Integration by parts, Areas between curves,Volumes by disk/washers and shells.
16		slack time, Review

**Exams:** Dates are fixed. Please plan your schedule around these dates now. All absences must be excused in advance. No make up test will be given. You will need 4 small and one big blue books, to be collected by TA before the Test I.

Test I	:	Friday	September	10	(in class)
Test II	:	Friday	October	15	(in class)
Test III	:	Friday	November	12	(in class)
Final Exam (sec 6)	:	Monday	December	6	(in class, 12:00 pm – 2:30 pm )
Final Exam (sec 7)	:	Wednesday	December	8	(in class, 12:00 pm – 2:30 pm )

<sup>1</sup><https://www.math.ncsu.edu/mmc>, see also tutors' schedule at <https://www.math.ncsu.edu/mmc/tutoring.php>

<sup>2</sup><http://policies.ncsu.edu/policy/pol-11-35-01>

<sup>3</sup><http://www.ncsu.edu/dso> also see regulations at <http://policies.ncsu.edu/regulation/reg-02-20-01>

Due to the COVID-19 pandemic, public health measures continue to be implemented across campus. Students should stay current with these practices and expectations through the [Protect the Pack](https://www.ncsu.edu/coronavirus/) website (<https://www.ncsu.edu/coronavirus/>). The sections below provide expectations and conduct related to COVID-19 issues.

### Health and Participation in Class

We are most concerned about your health and the health of your classmates and instructors/TAs.

- If you test positive for COVID-19, or are told by a health-care provider that you are presumed positive for the virus, you should not attend any hybrid or face-to-face (F2F) classes and work with your instructor on any adjustments necessary; also follow other university guidelines, including self reporting ([Coronavirus Self Reporting](#)): Self-reporting is not only to help provide support to you, but also to assist in contact tracing for containing the spread of the virus.
- If you feel unwell, even if you have not been knowingly exposed to COVID-19, please do not come to a F2F class or activity.
- If you are in quarantine, have been notified that you may have been exposed to COVID-19, or have a personal or family situation related to COVID-19 that prevents you from attending this course in person (or synchronously), please connect with your instructor to make alternative plans, as necessary.
- If you need to make a request for an academic consideration related to COVID-19, such as a discussion about possible options for remote learning, please talk with your instructor.

### Health and Well-Being Resources

These are difficult times, and academic and personal stress are natural results. Everyone is encouraged to [take care of themselves](#) and their peers. If you need additional support, there are many resources on campus to help you:

- Counseling Center ([NCSU Counseling Center](#))
- Student Health Services ([Health Services | Student](#))
- If the personal behavior of a classmate concerns or worries you, either for the classmate's well-being or yours, we encourage you to report this behavior to the NC State CARES team: ([Share a Concern](#)).
- If you or someone you know are experiencing food, housing or financial insecurity, please see the Pack Essentials Program ([Pack Essentials](#)).

### Community Standards related to COVID-19

We are all responsible for protecting ourselves and our community. Please see the [community standards](#) (which have been updated for 2021) and Rule 04.21.01 regarding Personal Safety Requirements Related to COVID-19 [RUL 04.21.01 – Personal Safety Requirements Related to COVID-19 – Policies, Regulations & Rules](#)

### Course Expectations Related to COVID-19:

- **Face Coverings:** All members of the NC State academic community are expected to follow all university policies and guidelines, including the [Personal Safety Rule](#) and [community standards](#), for the use of face coverings. Face coverings are required in instructional spaces.

Face coverings should be worn to cover the nose and mouth and be close fitting to the face with minimal gaps on the sides.

- **Course Attendance:** NC State attendance policies can be found at: [REG 02.20.03 – Attendance Regulations – Policies, Regulations & Rules](#). Please refer to the course's attendance, absence, and deadline policies for additional details. If you are quarantined or otherwise need to miss class because you have been advised that you may have been exposed to COVID-19, you should not be penalized regarding attendance or class participation. However, you will be expected to develop a plan to keep up with your coursework during any such absences. If you become ill with COVID-19, you should follow the steps outlined in the health and participation section above. COVID 19-related absences will be considered excused; documentation need only involve communication with your instructor.
- **Technology Requirements:** This course may require particular technologies to complete coursework. Be sure to review the syllabus for these expectations, and see the [syllabus technical requirements](#) for your course. If you need access to additional technological support, please contact the Libraries' Technology Lending Service: ([Technology Lending](#)).

### Course Changes Related to COVID-19 NO LONGER AVAILABLE - Grading/Scheduling Changing Options Related to COVID-19

Two policies, enhanced S/U Grading Option and Late Drop, put in place at the beginning of the COVID-19 pandemic have been discontinued.

In some cases, an option may be to request an "incomplete" in the course. If you are experiencing difficult or extenuating circumstances, you should discuss possible options with your instructor and your academic advisor.

#### Need Help?

If you find yourself in a place where you need help, academically or otherwise, please review these [Step-by-Step Help Topics](#). (Insert information or links for college or departmental level support programs, if available.)

#### Other Important Resources

- **Keep Learning:** [Keep Learning](#)
- **Protect the Pack FAQs:** [Frequently Asked Questions | Protect the Pack](#)
- **NC State Protect the Pack Resources for Students:** [Resources for Students | Protect the Pack](#)
- **Academic Success Center** (tutoring, drop in advising, career and wellness advising): [Academic Success Center](#).
- **NC State Keep Learning, tips for students opting to take courses remotely:** [Keep Learning Tips for Remote Learning](#)
- **Introduction to Zoom for students:** <https://youtu.be/5LbPzzPbYEW>
- **Learning with Moodle, a student's guide to using Moodle:** <https://moodle-projects.wolfware.ncsu.edu/course/view.php?id=226>
- **NC State Libraries Technology Lending Program**