

MAT 314/525 SPRING 2024 ABSTRACT ALGEBRA II SYLLABUS (Version January, 2024)

This document will be submitted to BRIGHTSPACE in the documents section.

What below is all subject to change. (Consider this a preliminary version.)

Significant changes are also announced in class.

This document may be updated from time to time (in the documents section of BRIGHTSPACE).

The following is strictly enforced:

no texting/surfing during class;

e-note takers, computers, ipads, smartphones etc.

must be in silent mode and stored away;

no food or drinks (except water/coffee/tea).

TEXTBOOK

Algebra, by M. Artin, 2nd edition.

There are free copies online. Make sure to have the 2nd edition.

CLASS MEETING TIMES

Tu&Th 10-11:20am, Physics P-112

INSTRUCTOR

Mark de Cataldo mark.decataldo@stonybrook.edu

<https://www.math.stonybrook.edu/~mde/>

O.H.: Tu-2:30-5:30pm (the link below has the most current office hours, in case of changes).

<https://www.math.stonybrook.edu/cards/de-cataldomark-andrea.html>

GRADER

Austin Konkel; Austin.Konkel@stonybrook.edu

O.H.: see <https://www.math.stonybrook.edu/cards/konkelaustin.html>
please direct to him questions about your graded homework

TOPICS TO BE COVERED: (subject to change)

Ch. 11 (Rings; 323-347=24p),

Ch. 12 (Factoring 359-378=20p),

Ch. 14 (Linear algebra in a ring 412-437=25p),

Ch. 15 (fields 442-472=30p),

Ch. 16 (Galois Theory 477-505=28p).

TENTATIVE SCHEDULE OF CLASSES

1-2:20pm 28 Lectures 7WEEKS+7WEEKS

TU January 23 Ch 11 #1

TH January 25 Ch 11

TU January 30 Ch 11 HMK#1 DUE

TH February 1 Ch 11

TU February 6 Ch 12 #2

TH February 8 Ch 12

TU February 13 Ch 12 HMK#2 DUE

TH February 15 Ch 14

TU February 20 RECORDED ZOOM LECTURE #3

TH February 22 RECORDED ZOOM LECTURE

TU February 27 Ch 14 HMK#3 DUE

TH February 29 Ch 14

TU March 5 Ch 14 #4

TH March 7 Ch 14

TU March 12 SPRING BREAK

TH March 14 SPRING BREAK

TU March 19 Ch 15 #5

TH March 21 Ch 15

TU March 26 Ch 15 HMK#4 and HMK #5 DUE

TH March 28 Ch 15

TU April 2 Ch 15 #6

TH April 4 Ch 16

TU April 9 Ch 16 HMK#6 DUE

TH April 11 Ch 16

TU April 16 Ch 16 #7

TH April 18 Ch 16

TU April 23 HMK #7 DUE

TH April 25

TU April 30 #8 assigned, but neither collected, nor graded.

TH May 2

FINAL EXAM

There will be no midterms, but there will be the final exam.

Final Exam: Tuesday, May 7, 8-10:45am

(location and format tbd; the location will be announced as soon as possible, usually a couple of weeks before;

the format will be announced in class the week of April 23).

EMAIL

Best way to contact your instructor: in class and during office hours.

Use email only for true emergencies; example: you are sick, you inform the instructor you are not coming to the test,

and you will bring an official letter from the doctor (including phone number and address of medical practice to reach said doctor).

Please refrain from using email to ask: for exceptions to the various rules (e.g. late hmk), math questions (our typing abilities are limited), questions about grades on the final. Questions about the grading of homework should be directed to the grader (see above).

HOMEWORK

Assigned (mostly) every two weeks via Stony Brook Gmail on the Tuesdays marked #n; due on the Tuesdays marked HMK#n in class (and in class only;

if you can't make it to class on that day, arrange for a peer to bring it to class on the due date).

We do not accept HMK sent by email etc.

Returned by the grader via a box in front of his office.

No matter the number of problems in the assignment, we only grade 6 problems (we do not announce which ones beforehand).

Late homework will not be accepted under any circumstances. No exceptions.

Homework must be stapled with a metallic staple (no folding, no paper clips). Unstapled homework will not be accepted. No exceptions.

We can usually tell if the homework has been copied (from another student, a book, or from an online source); in that case, students may be reported for violating academic integrity.

GRADES

HOMEWORK 36% 360pts; FINAL 64% 640pts. Total: 1000pts.

HOMEWORK SCORE (it is at most 360pts): **add the 6 best hmk scores out of the 7 assignments**; each hmk set = max 60 pts.

(we do not add ALL hmk scores, only the 6 best; if you handed in less than 6, then we add up the scores you have).

SCORE IN FINAL: (it is at most 640pts). It will be posted on Brightspace.

LETTER GRADE IN COURSE: we curve the total score (HMK+FINAL; max 1,000pts) and generate your letter grade for the course, which will be posted on Solar. We use no formula and take into account several factors.

All grades, except the letter grade in the course will be posted on Brightspace. Students are responsible for monitoring them regularly (if there is a discrepancy, contact the grader immediately). The letter grade in the course will be posted on Solar. The curve for the course will be posted on Brightspace

Policy for final grades: <http://www.math.stonybrook.edu/~mde/grades.html>

PREPARATION FOR THE FINAL EXAM

Use the homework, and the problems, examples etc. in the book and in class as a guideline.

There will be no sample test. There will be no final review.

Student Accessibility Support Center Statement (SASC)

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact the Student Accessibility Support Center, Stony Brook Union Suite 107, (631) 632-6748, or at sasc@stonybrook.edu. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential. Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and the Student Accessibility Support Center. For procedures and information go to the following website: <https://ehs.stonybrook.edu/>

programs/fire-safety/emergency-evacuation/evacuation-guide-disabilities and search Fire Safety and Evacuation and Disabilities. Academic Integrity Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty please refer to the academic judiciary website at http://www.stonybrook.edu/commcms/academic_integrity/index.html. Critical Incident Management Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Student Conduct and Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures. Further information about most academic matters can be found in the Undergraduate Bulletin, the Undergraduate Class Schedule, and the Faculty-Employee Handbook.

Student Accessibility Support Center Statement

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Student Accessibility Support Center, ECC (Educational Communications Center) Building, Room 128, (631)632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential. <https://www.stonybrook.edu/commcms/studentaffairs/sasc/facstaff/syllabus.php>

[In addition, this statement on emergency evacuation is often included, but not required:

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Student Accessibility Support Center. For procedures and information go to the following website: <https://ehs.stonybrook.edu/programs/fire-safety/emergency-evacuation/evacuation-guide-people-physical-disabilities>

Academic Integrity Statement

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management,

Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty please refer to the academic judiciary website at: http://www.stonybrook.edu/commcms/academic_integrity/index.html

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