

MAT 545 COMPLEX GEOMETRY FALL 2020

INSTRUCTOR: Mark Andrea de Cataldo

TIME AND PLACE: Tu&Th 1:15-2:35, Blackboard Zoom and Mathematics 4130

The course is classified as hybrid; we will meet on Zoom by default, and occasionally in class.

TEXTBOOK: Principles of Algebraic Geometry, P. Griffiths and J. Harris, Wiley Interscience 1994.

Lecture notes for the course will be made available on Blackboard.

SYLLABUS: Local theory, complex manifolds, Kahler manifolds, vector bundles, cohomology, We will try to cover a large subset Ch 0 and I. There are no exams. Each student will submit a 5 page latex paper (12pt; width 15cm; height 20cm) on a topic to be discussed with the instructor. The grade is based on participation and on the above paper.

OFFICE HOURS: Tu&Th on zoom immediately after class.

There are no exams.

Each student will submit a 5 page latex paper (12pt; width 15cm; height 20cm) on a topic to be discussed with the instructor.

Everyone participating in this class must wear a mask or face

covering at all times or have the appropriate documentation for medical exemption. Any student not in compliance with this policy will be asked to leave the class. In addition, if students need to drink they should step out of the classroom to do so. Eating is not allowed during class.

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.

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

Critical Incident Management Statement

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of University 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.

Face Mask Policy

If a student does not wear a face mask, please follow these steps:

Students should be aware that a face mask is required while in the classroom. If a student does not comply, the student will be asked to leave the classroom.

If the student does not comply or leave the classroom, we will end the class and the students will be reported to the Office of Student Conduct and Community Standards

at communitystandards@stonybrook.edu.

ACCOMMODATIONS FOR STUDENTS WITH HEARING AND COMMUNICATION IMPAIRMENTS

Some students with hearing and communication impairments may need their instructor to wear a clear mask for lip and facial expression purposes. If the student has registered with the Student Accessibility Support Center (SASC) and has requested an accommodation for clear masks, SASC will reach out to the student's instructors and provide a clear mask for them to wear while teaching and/or interacting with the student. If you have questions, please email sasc@stonybrook.edu or call (631) 632-6748.

FACE MASK ACCOMMODATIONS, MODIFICATIONS, OR EXEMPTIONS

The Student Accessibility Support Center (SASC) works with students who may require academic accommodations. If a student is unable to wear a mask for health reasons, the student should contact SASC at sasc@stonybrook.edu. SASC will work with the student to help identify arrangements to complete in-person courses in an alternate format. If, however, there is an in-person class that cannot be accommodated in an alternate format, a student may be approved by the Medical Director of Student Health Services to wear a modified face mask or no face covering. In this situation, SASC will communicate this information to the faculty member. Approved students will also be provided with a written exemption from the Medical Director of Student Health Services that indicates any modifications or exceptions, which they must carry with them to show faculty if requested. Please note that medical exemptions are rare and are based solely on medical necessity. If a student is exempt from the face mask policy, please consider how to seat students to ensure proper social distancing within a given instructional setting. If you have questions regarding accommodations, please email sasc@stonybrook.edu. For health related concerns in the classroom, please contact Dr. Rachel Bergeson, Medical Director, at rachel.bergeson@stonybrook.edu.