

Syllabus For 50:640:199 Exploring Careers in Mathematical Sciences

Fall 2022, Rutgers University-Camden

COURSE TITLE: 50:640:199 Exploring Careers in Mathematical Sciences

COURSE DESCRIPTION: This one credit course provides students a platform to explore potential career paths in mathematics, including computer programming, data analytics, education, and financial services. Class meetings will include presentations from the career center, from alumni, and from researchers, and discussions on those presentations. Students will learn practical skills, such as how to build a resume, apply for graduate schools, and look for internships. Students will gather information on what careers will be available, and of interest, to them if they graduate with a degree in mathematics and statistics. There is no prerequisite for this course.

INSTRUCTION PLAN: This is an in-person class with occasional Zoom meetings. Canvas, Zoom, emails and other digital tools will be used to aid the instruction and communication. Students are expected to have access to: (1) high speed internet; (2) a laptop/desktop computer or a tablet/iPad together with built-in or separate microphone; (3) a scanner, or a phone camera with an app for producing pdf documents.

LEARNING GOALS: Students in this class will learn: (1) The many career paths available to a student with a degree in mathematical sciences. (2) How to build a resume, apply for graduate schools, and look for internships.

COURSE INFORMATION:

- Instructor: Siqu Fu
- Office: BSB 426
- Office hours: MW 2:30 am-3:30 am (in-person or via Zoom) or by appointments
- Phone: (856) 225-2349.
- E-mail: sfu@camden.rutgers.edu
- Web page: <http://people.camden.rutgers.edu/sfu>.
- Lectures: Thursday, 9:35-10:35 at BSB-118

ASSESSMENT: There will be 5 assignments throughout the semester and a final project. Grades will be assigned based on students' performance according to the following weights:

- Attendance and participation: 30%
- Assignments: 50%
- Final project: 20%

ATTENDANCE POLICY: Attendance will be checked and is expected for every class period with exception for illness, court appearance, and other legitimate emergency. See the Rutgers University Attendance Policy.

CODE OF CONDUCT AND ACADEMIC INTEGRITY: Rutgers University-Camden seeks a community that is free from violence, threats, and intimidation; is respectful of the rights, opportunities, and welfare of students, faculty, staff, and guests of the University; and does not threaten the physical or mental health or safety of members of the University community, including in classroom space, and a community in which students respect academic integrity and the integrity of your own and others work.

As a student at the University you are expected adhere to the Student Code of Conduct and Academic Integrity Policy. Please review the Academic Integrity Policy and Code of Conduct.

STUDENTS WITH DISABILITIES: If you are in need of academic support for this course, accommodations can be provided once you share your accommodations indicated in a Letter of Accommodation issued by the Office of Disability Services (ODS). If you have already registered with ODS and have your letter of accommodations, please share the letter with this instructor early in the course. If you have not registered with ODS and you have or think you have a disability (learning, sensory, physical, chronic health, mental health or attentional), please contact ODS by first visiting their website. The website will further direct you who to contact and how to contact them depending on the free, confidential services you are in need of. Please Note: Accommodations will be provided only for students with a Letter of Accommodation from ODS. Accommodation letters only provide information about the accommodation, not about the disability or diagnosis.

Health and Well-Being Protocols. You are expected to follow Rutgers University's Health and Well-Being and COVID-19 Protocols. Please refer to the website <https://coronavirus.rutgers.edu/fall-semester-2022-health-and-well-being-protocols> for details.