

GRADUATE ACADEMICS (GA-GY)

GA-GY 8003 Global Perspectives in Emerging Technology (3 Credits)

Typically offered Spring

This course is designed to provide students a global perspective on trends in emerging technologies. The course will look at several key regions/countries where technology and innovation are prevalent and dive deeper into the economic, regulatory, and societal context. Additionally, we'll evaluate regions that may be experiencing slower pace of tech innovation and understand the barriers to emerging tech expansion. The course will rely on historical trends and data as well as include perspectives from industry practitioners and scholars forecasting the future of technology and its implications on the global economy and society. Finally, we will visit one global or regional tech hub to understand the unique trajectory of tech innovation in that area. We will review business decisions of key tech players, gather insight from regulators and other stakeholders, as well as evaluate the infrastructure and resources enabling tech development. | NOTE: Additional fees will be charged to cover meals and accommodations for week-long travel at the offsite.

Grading: Grad Poly Graded

Repeatable for additional credit: No

GA-GY 9101 Special Topics for Graduate Interdisciplinary Academics (1 Credit)

Typically offered Fall and Spring

The purpose of this course is to allow for special topics that span multiple disciplines across Tandon Graduate Academics. Any graduate student at Tandon will be able to register for the course, with the permission of their departmental advisor, and Graduate Academics staff.

Grading: Grad Poly Graded

Repeatable for additional credit: Yes

GA-GY 9993 Writing and Communication for Engineers and Scientists (3 Credits)

Typically offered Fall and Spring

This course aims to train graduate students in engineering and science to become more effective writers and communicators, using both theoretical instruction and practical examples/exercises. Topics include: principles of good writing, the format of a scientific manuscript, publication and peer review issues, preparation of a scientific talk, and communication with the press and the general public. A mini-course on "improvisation for scientists," held by a professional teacher/actor, will be a fun part of the class, with the goal of teaching students to talk in public in a more spontaneous and interactive way. Throughout the class, students will be asked to work on both their writing samples and their presentations. Grading will be based on writing and communication quality and on the degree of improvement between initial and final products. | Prerequisite: Standing PhD Candidate, RE-GY 9990 and department permission required

Grading: Satisfactory/Unsatisfactory

Repeatable for additional credit: No

Prerequisites: Standing PhD Candidate, RE-GY 9990 and department permission required.