MATH 791: Graduate Seminar
Fall 2024 Course Syllabus

NJIT Academic Integrity Code: All Students should be aware that the Department of Mathematical Sciences takes the University Code on Academic Integrity at NJIT very seriously and enforces it strictly. This means that there must not be any forms of plagiarism, i.e., copying of homework, class projects, or lab assignments, or any form of cheating in quizzes and exams. Under the University Code on Academic Integrity, students are obligated to report any such activities to the Instructor.

COURSE INFORMATION

Course Description: All master's and doctoral students receiving departmental or research-based awards must register for this course each semester. This course is a zero-credit seminar course, mandatory for all supported PhD students. The aim of the course is to introduce PhD students to methods of mathematical and interdisciplinary research by means of seminars and(for the enhanced mode) accompanying reading. The enhanced mode is specifically designed to familiarize students with the research of DMS faculty members, to better equip them to choose a thesis advisor.

Number of Credits: 0

Prerequisites: Registration in the Ph.D. program or departmental approval.

Course-Section and Instructors:

Course-Section	Instructor
Math 791-001	Professor R. Goodman

Office Hours for All Math Instructors: Fall 2024 Office Hours and Emails

Required Textbook: There is no textbook for this course. First year PhD students who take the enhanced mode of the course (described below) will be expected to read the materials accompanying the faculty lectures as directed.

University-wide Withdrawal Date: The last day to withdraw with a **W** is **Monday, November 11, 2024**. It will be strictly enforced.

COURSE GOALS AND EXTRA INFORMATION

Basic Mode: Full-time PhD students in or beyond their second year of study take the basic mode of this course. This consists of attendance at the weekly Applied Math colloquium, which is presented by invited speakers of national and international repute.

On October 20-22, NJIT will host the first conference of the SIAM New York-New Jersey-Pennsylvania Section

(SIAM-NNP), bringing dozens of scientists and applied mathematicians to campus to discuss a wide range of research. All students in Math 791 will be required to attend the conference and participate in the following activities.

- On the afternoon Friday, October 20, the conference will run two student activities: a mixer/introduction and an industry careers panel
- Students with sufficient research completed will be required to present a poster.
- Other students will be given a short assignment to help them navigate and learn from the conference.

Details of the seminar schedule may be found at the Departmental Applied Math Colloquium webpage, or at the Applied Math Colloquium Google Calendar, which will be shared with registered students.

Enhanced Mode: In addition to the requirements of the Basic Mode outlined above, students in their first year on the PhD program will attend a series of faculty research talks, held approximately every second week. Faculty members who give these talks will provide accompanying reading.

Details of the faculty talks will be posted on the Applied Math Colloquium Google Calendar, which will be shared with registered students.

POLICIES

DMS Course Policies: All DMS students must familiarize themselves with, and adhere to, the Department of Mathematical Sciences Course Policies, in addition to official university-wide policies. DMS takes these policies very seriously and enforces them strictly.

Basic Mode Grading Policy: The final grade in this course will be determined as follows:

Attendance at Colloquium and SIAM-NNP	100%

Enhanced Mode Grading Policy: The final grade in this course will be determined as follows:

Attendance at Colloquium and SIAM-NNP	70%
Attendance at Faculty Talk	30%

Your final letter grade will be based on the following tentative curve.

S	70%	**U**	< 70%

Attendance Policy: Attendance at all classes will be recorded and is **mandatory**. Please make sure you read and fully understand the Math Department's Attendance Policy. This policy will be strictly enforced.

ADDITIONAL RESOURCES

Further Assistance: For further questions, students should contact their instructor. All instructors have regular office hours during the week. These office hours are listed on the Math Department's webpage for Instructor Office Hours and Emails.

Accommodation of Disabilities: The Office of Accessibility Resources and Services (OARS) offers long term and

temporary accommodations for undergraduate, graduate and visiting students at NJIT.

If you need an accommodation due to a disability, please contact the Office of Accessibility Resources and Services at oars@njit.edu, or visit Kupfrian Hall 201 to discuss your specific needs. A Letter of Accommodation Eligibility from the office authorizing student accommodations is required.

For further information regarding self identification, the submission of medical documentation and additional support services provided please visit the Office of Accessibility Resources and Services (OARS) website at:

https://www.njit.edu/accessibility/

Important Dates (See: Fall 2024 Academic Calendar, Registrar)

Date	Day	Event
September 2, 2024	Monday	Labor Day
September 3, 2024	Tuesday	First Day of Classes
September 9, 2024	Monday	Last Day to Add/Drop Classes
November 11, 2024	Monday	Last Day to Withdraw
November 26, 2024	Tuesday	Thursday Classes Meet
November 27, 2024	Wednesday	Friday Classes Meet
November 28 to December 1, 2024	Thursday and Sunday	Thanksgiving Recess - Closed
December 11, 2024	Wednesday	Last Day of Classes
December 12, 2024	Thursday	Reading Day 1
December 13, 2024	Friday	Reading Day 2
December 15 to December 21, 2024	Sunday to Saturday	Final Exam Period

Course Outline

*Events: Dates subject to change. Faculty seminars (FS) will be announced by email to class members.

Day	Event*
Monday	2:30PM - 3:30PM
Friday	11:30AM - 1:00PM