MATH 791: Graduate Seminar
Fall 2025 Course Syllabus

NJIT Academic Integrity Code: Academic Integrity is the cornerstone of higher education and is central to the ideals of this course and the university. Cheating is strictly prohibited and devalues the degree that you are working on. As a member of the NJIT community, it is your responsibility to protect your educational investment by knowing and following the academic code of integrity policy that is found at: NJIT Academic Integrity Code.

Please note that it is my professional obligation and responsibility to report any academic misconduct to the Dean of Students Office. Any student found in violation of the code by cheating, plagiarizing or using any online software inappropriately will result in disciplinary action. This may include a failing grade of F, and/or suspension or dismissal from the university. If you have any questions about the code of Academic Integrity, please contact the Dean of Students Office at dos@njit.edu

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 D. Shirokoff

Office Hours for All Math Instructors: 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 10, 2025**. 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	100%

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

Attendance at Colloquium	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 2025 Academic Calendar, Registrar)

Date	Day	Event
September 1, 2025	Monday	Labor Day
September 2, 2025	Tuesday	First Day of Classes
September 8, 2025	Monday	Last Day to Add/Drop Classes
October 2, 2025	Thursday	Wellness Day
November 10, 2025	Monday	Last Day to Withdraw
November 25, 2025	Tuesday	Thursday Classes Meet
November 26, 2025	Wednesday	Friday Classes Meet
November 27 to November 30, 2025	Thursday and Sunday	Thanksgiving Recess - Closed
December 11, 2025	Thursday	Last Day of Classes
December 12, 2025	Friday	Reading Day
December 13, 2025	Saturday	Saturday Classes Meet
December 14 to December 20, 2025	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