

# MP-6011/6012/8014-A/Q and NRE 8014 NRE/MP Weekly Seminars Summer 2026

Instructor: Dr. Steven Biegalski ([steven.biegalski@me.gatech.edu](mailto:steven.biegalski@me.gatech.edu))

Instructors Office: Boggs 3-44 office suite

**Course objectives:** Review of current research in areas of nuclear engineering and medical physics. Ethics of engineering and medical physics will be included.

## Course/Semester Requirements

All NRE and MP graduate students are strongly encouraged to attend all NRE/MP seminars.

The following requirements apply to attendance of the NRE/MP weekly seminars for the Fall 2024. semester by students registered for the seminar.

MS MP students, PhD MP students (i.e., PhD NRE students with MP option), and PhD NRE students are required to register for the following seminars and satisfy the requirements (specified below) needed to obtain a passing grade:

- MS MP students register for MP 6011 and MP 6012.
- PhD MP students register for MP 6011, MP 6012, then also MP 8014.
- PhD NRE students register for NRE 8014.
- MS NE students may register for NRE 8014, satisfy the requirements to pass, and use it later to satisfy the PhD NRE seminar requirement should they decide to extend their graduate study toward PhD.

Some NRE courses require attendance at select seminars.

## In-Person Attendance Requirement (non-DL students)

In-person attendance is expected for **non-distant learning students**. In-person presentation of the speaker will require your in-person attendance. All students must **sign the attendance sheet at each NRE/MP seminar attended**.

Virtual presentation of the speaker will require your virtual attendance. For each seminar that is virtual an assignment in Canvas will be created. The students are required to fill their full name and indicate if they have attended or not the seminar during the live stream. You have to fill this by the end of the day of the seminar itself. There is no need to submit summaries at that time. Link for every session will be provided before every presentation.

Also, if medical conditions do not allow you to attend, you are required to notify the Academic Coordinator (D'Nasia Adams, [dnasia.adams@me.gatech.edu](mailto:dnasia.adams@me.gatech.edu)) and the Instructor the day before the seminar, and attend the virtual session.

All presentations are expected to be recorded, and the Academic Coordinator will upload these to Canvas.

### **Attendance Requirement (Number of Seminars)**

**MP 6011/6012 for MS MP and PhD MP Students** need to attend at least 8 MP related seminars during each semester that you are registered for MP 6011 or 6012. At the end of the semester, you are required to submit the list of MP related seminars that you attended (at least 8). All required information (date/place of the seminar, speaker, title, short summary, and at least one question/answer asked during the seminar) are due by 11:00 pm on the last day of classes, uploaded to Canvas assignment as a single file. It is expected (but not guaranteed) that 2-4 MP seminars will be offered within the NRE/MP seminar series during each semester. It is your responsibility to find and attend the additional MP related seminars so that you satisfy the requirement of 8 total MP related seminars attended during the semester. You can consider attending seminars through other GA Tech Programs such as Biomedical or Emory; or other local hospitals/universities for distance learning students. MP-related is meant in a broad sense, including radiology, oncology, imaging, radiation detection, etc.) Note that PhD MP students additionally need to take MP 8014, as listed below.

Unsatisfactory performance (e.g., insufficient attendance or unsatisfactory summaries for MS MP) will result in "unsatisfactory (U)" grade. The student will need to re-take and satisfy the requirements, but the initial "U" grade will remain on his permanent academic transcript. When circumstances warrant and only if consistent with the Institute's policy, an "incomplete (I)" grade may be assigned at the instructor's discretion. The student will then have the next semester to attend an additional number of seminars and satisfy other requirements as specified by the course instructor.

**MP 6011/6012 for Distance Learning Students:** DL students are required to meet the same attendance requirement as stated above for MP 6011/6012 for MS MP and PhD MP Students. During both the fall and spring semesters the NRE/MP weekly seminars that are MP related will be recorded and uploaded to canvas for the DL students as part of the DL course. The DL students will be required to find and attend additional MP related seminars at hospitals/universities local to the student. The list of MP seminars attended (date/place of the seminar, speaker, title, short summary, and at least one question/answer asked during the seminar) as stated above for MP6011/6012 for MS MP and PhD MP Students is due by 11:00 pm on the last day of classes, uploaded to Canvas assignment as a single file.

**NRE/MP 8014 for All Doctoral PhD and MP Students (PhD MP Students are NRE PhD students who choose the MP option):** To satisfy the requirements of NRE/MP **8014**, you must attend at least 22 seminars. You are expected to attend all NRE/MP seminars, but you will be allowed to miss up to two seminars per semester. If needed, you should attend additional relevant graduate seminars of your choice, to reach 22 seminars during the semester. For non-NRE/MP seminars, you will need to provide the lists of the seminars attended (date/place of the seminar, and the speaker/title). This information is due by 11:00 pm on the last day of classes, uploaded to Canvas assignment as a single file.

### ***Additional Clarification for NRE/MP 8014:***

All Ph.D. students must register for Seminar **8014** (2 credit hours- no letter grade- attend at least 22 seminars).

You must keep track of each seminar that you attend (date, speaker, title of seminar). After you attend 22 seminars, submit the online Seminar Registration Form during registration period. Once the approval process is completed, you will be issued a permit to register for seminar credit. Once you have this permission, you must formally register for the seminar course (MP/NRE 8014).

To initiate your Seminar Registration Form, please go to the following link and follow the online instructions: <https://www2.me.gatech.edu/graddb/forms/student/> ([Links to an external site.](#))

**Please note:** This course is offered on a pass/fail basis and therefore is **not** included in the 42 semester-hours degree requirement. Attendance at a minimum of 22 seminars is necessary to pass, with the attendance record being cumulative from semester to semester. Registration for these credits occurs after you attend the requisite number of seminars.

Any graduate research seminar given in the Woodruff School may be used to satisfy this requirement provided that the seminar is not part of another course for which you are registered. Numerous seminars are given by visitors, faculty, and thesis students. Notices are posted on the Woodruff School site. Additional announcements are also posted on the digital display and bulletin board outside the Woodruff School Office of Student Services in MRDC. Graduate students are encouraged to attend seminars regularly.

## **Academic Honesty Policy Summary:**

### *Introduction*

Scholastic Dishonesty is any act designed to give an unfair academic advantage to a student, or the attempt to commit such an act. This includes copying from another student's exam; possessing or using unauthorized materials during an exam; using, buying, stealing, transporting or soliciting a test or the answer key; collaborating with another student during a test; copying someone else's homework or assignment; and permitting someone to take a test for you. The falsification of academic records is also an act of scholastic dishonesty. Students who participate in scholastic dishonesty will be reported and dealt with in accordance with Institute regulations. For information on the student's responsibility in meeting the specific Georgia Tech Honor Code, see Section 3 of the Honor Code at the following website:

<http://osi.gatech.edu/content/honor-code/>

### *Authorship*

The student must clearly establish authorship of a work. Referenced work must be clearly documented, cited, and attributed, regardless of media or distribution. Even in the case of work licensed as public domain or Copyleft, (See: <http://creativecommons.org/>) the student must provide attribution of that work in order to uphold the standards of intent

and authorship.

## **Collaboration & Group Work**

All student projects and presentations are expected to be group efforts. At all times students are expected to follow the Academic Honor Code (<http://www.catalog.gatech.edu/policies/honor-code/>)

## **Extensions, Late Assignments, & Re-Scheduled/Missed Exams**

Late assignments will not be accepted and will not be rescheduled without an Institute approved absence (e.g. field trips and athletic events). Students with medical or family emergencies should contact the Dean of Students. See <http://catalog.gatech.edu/rules/4/> for an articulation of the Institute rules.

## **Student-Faculty Expectations Agreement**

At Georgia Tech we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. See <http://www.catalog.gatech.edu/rules/22/> for an articulation of some basic expectation that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

## **Student Use of Mobile Devices in the Classroom**

Use of portable technology during class time is not permitted unless prior arrangement has been made with the course instructor. Please leave your laptop in your bag, turn off your cell phone, and resist the urge to text your mom.

## **Additional Course Policies**

The materials used in this class, including, but not limited to, exams, quizzes, homework assignments, and lectures are copyright protected works. Any unauthorized copying of the class materials is a violation of federal law and may result in disciplinary actions being taken against the student. This includes, among other things, uploading class materials to websites for the purpose of sharing those materials with other current or future students.

### **Campus Resources for Students**

**Academic Advisors** ([advising.gatech.edu/](http://advising.gatech.edu/)) in each school help students navigate degree requirements and take advantage of campus resources to ensure their success.

The **Center for Academic Success** ([success.gatech.edu/](http://success.gatech.edu/)) offers a variety of academic support services to help students succeed academically at Georgia Tech (e.g. tutoring, peer-led study groups, study skills, etc.).

The **Communication Center** ([communicationcenter.gatech.edu/](http://communicationcenter.gatech.edu/)) provides support for students with respect to developing competency and excellence in written, oral, visual, electronic, and nonverbal communication.

The **Library** ([library.gatech.edu/](http://library.gatech.edu/)) provides students with many services besides borrowing privileges including access to technology and technical assistance, online access to many journals and databases, and subject and personalized research assistance.

The **Office of Disability Services** ([disabilityservices.gatech.edu/](http://disabilityservices.gatech.edu/)) ensures that students with disabilities have equal access to all programs and activities offered at Georgia Tech. They provide documentation and officially sanctioned requests for accommodation for students

**OMED: Educational Services** ([omed.gatech.edu/](http://omed.gatech.edu/)) is the unit charged by Georgia Tech with the retention, development, and performance of the complete student learner who is traditionally underrepresented: African American, Hispanic, and Native American. OMED's programming and academic support services are aimed at equipping all students with strategies to navigate the Georgia Tech environment.

The **Division of Student Life** ([studentlife.gatech.edu/](http://studentlife.gatech.edu/)) – often referred to as the Office of the Dean of Students – offers resources and support for all students in our community.

Counseling Center	<a href="http://counseling.gatech.edu/">counseling.gatech.edu/</a>	404-894-2575
Dean of Students	<a href="http://studentlife.gatech.edu/">studentlife.gatech.edu/</a>	404-385-8772
GT Police	<a href="http://police.gatech.edu/">police.gatech.edu/</a>	404-894-2500
Stamps Health Services	<a href="http://health.gatech.edu/">health.gatech.edu/</a>	404-894-1420

## **Course Schedule**

See associated course schedule. Note that the course schedule may change as we progress through the semester.

## **COVID-19 Related Expectations and Guidelines**

Each of us has a responsibility to ourselves and our fellow Yellow Jackets to be mindful of our shared commitment. **We will follow Georgia Tech guidelines as the semester progresses.**

## **Class Recordings**

Seminars are in-person and recorded.