

**NWS Practical Internship
EAS 4651 (3 Credit Hours)
Spring 2023**

Instructor: Dr. Zachary Handlos

Office: 1251 Ford ES&T Building

Office Hours: 12-2 PM MW or via appointment (in-person or virtual)

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Course Description

This course is a 3-credit internship course in collaboration with the National Weather Service Peachtree City, GA office. Students will work with one or more members of the NWS office on a term research project. Students will be required to work at the NWS office or remotely and/or in-person about 9 hours per week (hours vary depending on discussion with NWS personnel and course instructor).

The final products expected from students within this internship experience are one of the following:

1. Polished final draft of research paper
2. Presentation of research paper to NWS personnel, course instructor and other collaborators
3. Combination of items 1 and 2 above

Earth and Atmospheric Science Core Skill Development

The School of Earth and Atmospheric Sciences at Georgia Tech strives to meet several learning standards for all students within the undergraduate program. These standards, and how they will be achieved in this course, are listed below:

- 1) Demonstrate **quantitative understanding** of meteorology theory and real-time weather/climate events
- 2) Develop **critical analysis** and **problem-solving skills** through internship research project
- 3) Gain **practical experience** with **analyzing, interpreting and communicating** weather/climate events orally (e.g., final presentation) and through written assignments (e.g., research paper)
- 4) Gain appreciation of the **interdisciplinary** nature of meteorology
- 5) **Increase breadth of knowledge** within meteorology by developing foundational understanding of atmospheric physics and dynamics within research project
- 6) Develop **comprehensive and cohesive understanding** of meteorology through consideration of several diagnostic and forecasting tools

Academic Honor Code

The instructor and students are expected to abide by Georgia Tech's Academic Honor Code.

Plagiarism of any kind (including the reproduction of materials found on the internet) is strictly prohibited and will be reported to the Office of Dean of Students for academic misconduct. The complete text of the Academic Honor Code may be found at:

<https://policylibrary.gatech.edu/student-affairs/academic-honor-code>

Access and Accommodations

At Georgia Tech, we strive to make learning experiences as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, you are welcome to let me know so that we can discuss options. You are also encouraged to contact the Office of Disability Services to explore reasonable accommodations.

The Office of Disability Services can be contacted by:

Phone: 404-894-2563

Email: dsinfo@gatech.edu

Website: <http://disabilityservices.gatech.edu/>

If our class meets at a campus location: Please be aware that the accessible table and chairs in this room should remain available for students who find that standard classroom seating is not usable.

Support Services and Resources

In your time at Georgia Tech, you may find yourself in need of support. Below you will find some resources to support you both as a student and as a person.

Academic Support

- [Center for Academic Success](#)
 - [1-to-1 tutoring](#)
 - [Peer-Led Undergraduate Study \(PLUS\)](#)
 - [Academic coaching](#)
- Residence Life's [Learning Assistance Program](#)
Drop-in tutoring for many 1000-level courses
- [OMED Educational Services](#) - Group study sessions and tutoring programs
- [Communication Center](#) - Individualized help with writing and multimedia projects
- [Academic advisors](#) for your major

Personal Support

Georgia Tech Resources

- The [Office of the Dean of Students](#) | **404-894-6367** | 2nd floor, Smithgall Student Services Building; You also may request assistance [here](#)
- [Counseling Center](#) | **404-894-2575** | Smithgall Student Services Building 2nd floor
 - Services include short-term individual counseling, group counseling, couples counseling, testing and assessment, referral services, and crisis intervention. Their website also includes links to state and national resources.
 - *Students in crisis may walk in during business hours (8am-5pm, Monday through Friday) or contact the counselor on call after hours at **404-894-2204**.*
- [Students' Temporary Assistance and Resources \(STAR\)](#)
 - Can assist with interview clothing, food, and housing needs.
- [Stamps Health Services](#) | **404-894-1420**
 - Primary care, pharmacy, women's health, psychiatry, immunization and allergy, health promotion, and nutrition
- [OMED Educational Services](#) | 404-894-3959
- [Women's Resource Center](#) | 404-385-0230
- [LGBTQIA Resource Center](#) | 404 385 4780
- [Veteran's Resource Center](#) | 404-385-2067
- [Georgia Tech Police](#) | 404-894-2500

National Resources

- The [National Suicide Prevention Lifeline](#) | 1-800-273-8255
 - Free and confidential support 24/7 to those in suicidal or emotional distress
- The [Trevor Project](#)
 - Crisis intervention and suicide prevention support to members of the LGBTQ+ community and their friends

- Telephone | **1-866-488-7386** | 24 hours a day, 7 days a week
- [Online chat](#) | 24 hours a day, 7 days a week
- Text message | Text “START” to **687687** | 24hrs day, 7 days a week