

FRIDAY, DECEMBER 9TH, 2022

# The Graticule Weekly

UGA's Geography Newsletter



## HIGHLIGHTING HIDDEN FIGURES

### ATMOSPHERIC SCIENTISTS CREATE A NEW PARADIGM FOR DIVERSITY IN STEM

UGA Atmospheric Sciences professors Dr. Marshall Shepherd, Dr. John Knox and students Chandler Countryman, Theresa Dixon, Katrina Ducre, P. J. Gudz, Shay Magahey, Killian McSweeney, Kelly Neighbour, Cam My Nguyen, R. Alex Pry, Jantilyn Sanders, Jada M. Smith, Allison Steele, Ben Thigpen, and Savanna Warren have published a new paper in the American Institute of Physics' biannual History Newsletter. Their collaborative effort details the creation of the department's Hidden Figures in Atmospheric Sciences course. The authors of the paper describe how the course was created as a response to the systematic lack of diversity across STEM fields. They aim to set a new precedent for collegiate curriculum that includes the perspectives of those who have been traditionally disenfranchised through a lack of representation in the course material. According to the authors, "the literature on those who leave STEM fields is replete with data and stories of people who simply do not see themselves belonging in the field." Therefore, one goal of the Hidden Figures course is to reimagine the core curriculum so that it can resonate with students of varying backgrounds.

The course aims to subvert the longstanding scientific tradition of removing personal details in favor of "timeless scientific truth." Instead, the goal of this course is to "learn about this truth in the context of other truths, such as the experiences of and hurdles overcome by the people who made these discoveries." To service this goal, the course creators have invited Atmospheric Sciences pioneers and luminaries of the field to speak about their contributions such as Brenda Chester Johnson who "spoke to the class about her eye-opening experiences as a woman of color in our field in the 1980s."

Another crucial aspect of reimagining traditional STEM course curriculum for the Hidden Figures class has been to encourage an inclusive and collaborative process for the creation of all course content. "It was made clear that both student and faculty were creating the course together; in that vein, all presentations and publications are coauthored by all class members." Though this course covers traditional topics in the Atmospheric Sciences (e.g. "hurricanes, tornadoes, weather forecasting methods, etc.") it does so by exploring the pioneering work of individuals whose experiences are often overlooked. The creators of this course intentionally designed its framework so that it could be replicated across various STEM disciplines and encourages readers to "steal this idea and shape it to fit their own circumstances."

*Read the full paper in the [American Institute of Physics History Newsletter](#)*

&

*Learn more about the [Hidden Figures in Atmospheric Sciences course curriculum](#)*

## General News and Announcements



Next week's (12/16) edition of the Graticule Weekly will be the last of 2022! Distribution of the Graticule Weekly will resume on Friday, January 13th, 2023. Have a wonderful Winter Break, Everyone!



Please download the new UGA Safe app from the Google Play or Apple App stores. Login using your UGA MyID or register as a guest to take advantage of a variety of safety features. For more information, please visit the [UGA Office of Emergency Preparedness website](#).



With the semester in full swing, our community has become busier as faculty, staff, students, and visitors navigate our campus. Prioritize your transportation safety and the safety of other's by checking out [the Watch For Dawgs official website](#).

Follow us on social media!

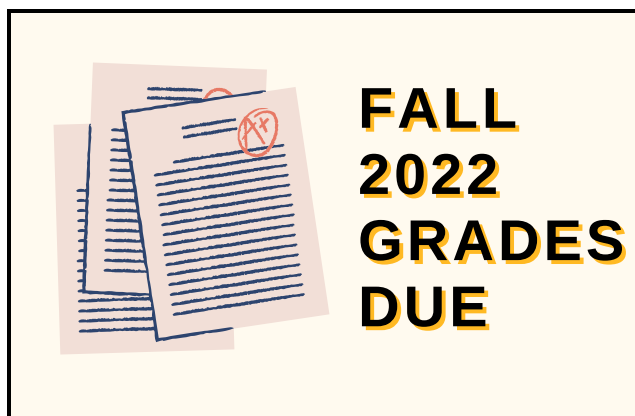


# UPCOMING EVENTS



Dec. 19  
12pm  
Campus-wide

*Final Grades for the 2022 Fall Semester will be due on Monday, December 19th at Noon. Please be sure to have all grades submitted before the deadline.*



Nov 23- Jan 8  
UGA Botanical Garden

*On select nights from Nov. 23, 2022 through Jan. 8, 2023 the State Botanical Garden of Georgia at the University of Georgia in Athens is transformed at night into a wonderland of twinkling lights and dazzling displays.*



Dec. 11  
10am-5pm  
GA Museum of Art

*Come shop for loved ones at the museum's annual holiday book sale, featuring new and used publications in all genres. Credit cards accepted. Those who have books they'd like to donate should call 706-542-4662.*



Dec. 8-14  
Ramsey Student Center

*Join the recreational sports department for free, in-person, fitness classes on the Unlimited Fitness schedule to help de-stress from finals week! [Learn more here!](#)*

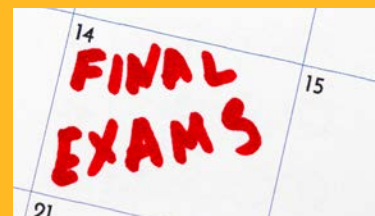


## Departmental Events:



UGA Geography **Open through**  
Course Evals. **12/16**

*Course evaluations are available now! Please sign in to the course evaluation website with your MyID to complete your evaluations! Your feedback is valuable to our instructors and the department!*



Final's Week Dec. 9-14th

*It's hard to believe, but final exam week is rapidly approaching! Make sure you're prepared for some of the final assignments of the semester! [See the full schedule here!](#)*



Final Friday Dec. Date TBD  
Coffee Break Main Geography Office

*Join us on the final Friday of each month for coffee and other refreshments in the main Geography office. This is a great opportunity to catch up with friends/colleagues!*

# OPPORTUNITIES AROUND CAMPUS

## Campus-wide events:

**APPLICATIONS OPEN FOR**  
**2023 Fall-Fellows**

Become a values-based,  
 impact-driven leader

OPEN TO ALL UGA MAJORS



LEARN  
 MORE  
 HERE!



UGA Fall 2022 Commencement December 16th  
 UGRD- 9:30am  
 GRD- 2:30pm  
 Stegeman  
 Coliseum

Check out the [Commencement website](#) for more information.

## GET YOUR FLU SHOT ON CAMPUS.



Flu shots are available without appointment at the UHC Mon- Fri, 9am-5pm UHC Pharmacy

*Flu shots available now at UHC! If you do not have insurance, payment can be made by cash, check, or card at the cashier's desk following the flu shot. Students may pay online or you may visit your local Health Department.*



Experience UGA's Application is now open for our 2023 Experience UGA Ambassador Program! To apply, please email us at [experienceuga@gmail.com](mailto:experienceuga@gmail.com) or our Program Coordinator [@aiyana.egins@uga.edu](mailto:@aiyana.egins@uga.edu)



The Red & Black, is now recruiting writers, designers, photographers and more! [Fill out an interest form here.](#)



Fresh Express is a new student-led emergency food assistance program, striving to serve University of Georgia students with balanced meals. [Sign up here.](#)



Join us every Friday for International Coffee Hour from 11:30am to 1:00pm in the Memorial Hall Ballroom! 11:30am - 1:00pm | Memorial Hall Ballroom



Pride Center: All Tuesdays  
 Let's Talk 10:30am-12:30pm  
 UGA Pride Center

*Let's Talk is a drop-in service hosted by Counseling & Psychiatric Services (CAPS) clinicians that offers informal, confidential consultation.*



## UNDERGRADUATE STUDENTS

- [Environmental and Energy Studies Institute Internships](#)  
*Paid Internship opportunities are available!*
- [National Park Service Geoscientists in the Park Internships](#)  
*Volunteer and Internship opportunities available!*
- [National Geographic Slingshot Challenge](#)  
*The National Geographic Society has launched the Slingshot Challenge: a new, global video challenge designed to amplify the voices and ideas of the next generation of planet protectors. Participants will be asked to create a one-minute video outlining an innovative solution to a current environmental issue that they're passionate about. Winning videos will be selected by a panel of judges to receive cash prizes, as well as an invitation to the iconic National Geographic Explorers Festival in Washington, D.C.*
- [John Odland Award \(SAM student paper competition\)](#)  
*The Spatial Analysis and Modeling (SAM) Specialty Group of the American Association of Geographers (AAG) is sponsoring the John Odland Award (SAM student paper competition) at the 2023 AAG Meeting in Denver, Colorado. The prizes will total a minimum of \$1,000 and up to \$1,500. Also open to Grad Students.*

## GRADUATE STUDENTS

- [Fully-Funded PhD Opportunity in Remote Sensing and Plant Phenotyping](#)  
*The Disruptive Geospatial Technologies Lab and Center for Geospatial Research in Geography, in collaboration with the Departments of Plant Biology and Crop and Soil Sciences at UGA are seeking a PhD student to investigate relationships between plant biometrics and descriptors derived from drone-based remote sensing. The selected candidate will develop high-throughput plant phenotyping studies under the supervision of Dr. Katrien Devos (Plant Biology/Crop and Soil Sciences) and Dr. Sergio Bernardes (DiGTL/CGR). This is a fully-funded position.*
- [University of Wisconsin-Madison Tenure Track Assistant Professor in Environmental Geography and International Studies](#)  
*We are particularly interested in applicants doing innovative research at the nexus of development economics, geography, and environmental studies. More specifically, we seek candidates who apply economic methods, within a quantitative or mixed methods framework, to evaluate contemporary environment and development issues within particular regional contexts.*
- [Dartmouth College Ecology, Evolution, Environment & Society Graduate Program](#)  
*Candidates interested in pursuing critical qualitative research on the relationships between race, radicalization, and the environment; political ecologies of health; green economies; energy transitions; environmental justice, broadly defined; or science and technology studies (STS) are especially welcome to apply.*
- [St. Louis University- Sociology and Anthropology- Multiple Tenure Track Faculty Positions Now Accepting Applications](#)  
*St. Louis University is now accepting applications for three assistant or associate tenure track positions within their departments of Sociology and Anthropology. Assistant / Associate Professor, Social Dimensions of Health and Health Policy  
Assistant / Associate Professor, Anthropology of Race and Health  
Assistant / Associate Professor, Environment*

## From the Registrar:

Registration for Spring and Summer 2023 courses is active now! Keep these registration dates in mind:

Student Classification	Spring/Summer 2023 Dates
Honors, PHARM.D, Confirmed Service Members	Thursday, November 3
Graduate Students	Friday, November 4
Seniors	Monday, November 7
	Tuesday, November 8
Juniors	Thursday, November 10
	Friday, November 11
Sophomores	Tuesday, November 15
	Wednesday, November 16
Freshmen	Friday, November 18
Law, Vet Med	

Open Registration for Spring '23 will be from 11/21- 01/09

## Important Dates to Keep in Mind:

As the Fall 2022 semester comes to a close and we turn our sights towards the Springtime, keep these key dates in mind!

### Fall 2022

Classes End...	Dec. 6
Reading Day...	Dec. 7
Final Exams...	Dec. 8-14
Commencement...	Dec. 16
Course Evals. Close...	Dec. 16
Grades Due...	Dec. 16

### Spring 2023

Orientation/Advisement...	Jan. 5
Classes Begin...	Jan. 9
Drop/Add...	Jan. 9-13
MLK Holiday...	Jan. 16

Follow us on social media!

