University of Georgia  
INTL 8278  

Energy Statecraft & Nonproliferation  

Time: Tuesday, 12:45 – 3:35  
Place: Military Building 001  

Dr. David K. Gattie  
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Driftmier Engineering Cntr, Rm 2111  
Office Hours: by appointment  

Dr. Joshua N. K. Massey  
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Holmes-Hunter, Rm 120  
Office Hours: by appointment  

Course Description  
This graduate seminar examines the role of energy in international politics with a particular emphasis on the link between nuclear energy and national security policy. The seminar explores the historical use of energy resources as a geopolitical tool and highlights the strategic aspects of nuclear energy in the contemporary security environment. The seminar has three main objectives: The first is to critically examine the original principles of U.S. nuclear energy policy while assessing their validity in the contemporary international environment. The second is to evaluate the disposition of U.S. nuclear power policy in the twenty-first century. The final objective of the seminar is to survey contemporary challenges to the U.S. nuclear enterprise with an eye toward developing policy proposals to address these challenges. When available, guest lecturers from both government and the private sector will supplement class discussions and course materials to offer policy perspectives and provide career advice.  

Instruction  
Instruction for this course will be delivered via three components. The course is centered around a weekly face-to-face (f2f) lecture and discussion component that will take place on campus in the Military Building, room 001. Students are reminded that they must observe UGA’s COVID-19 protocol while on campus including wearing of masks and a daily symptoms check (see UGA COVID-19 Precautions below). Due to COVID-19 classroom capacity restrictions, the class will be divided into two sections that meet on campus during the following times:  

Section #1: Tuesday, 12:45 - 2:00  
Section #2: Tuesday, 2:20 - 3:35  

Section #1 will incorporate a synchronous Zoom session to accommodate students unable to attend f2f instruction on campus. Students unable to attend f2f instruction must request their intent to participate via Zoom at the beginning of the semester. If a student’s ability to attend f2f changes during the semester (see UGA COVID-19 Precautions below) the student must notify the instructors immediately.
In addition to f2f instruction, weekly discussion question(s) will be posted via the course’s eLC discussion board. Students are required to respond to the discussion question(s) and comment on at least one peer posting. The discussion question(s) will be posted each Tuesday before class at 11:00am, all responses and comments are due by Tuesday after class at 5:00pm.

Finally, in addition to regular office hours, Dr. Gattie and Dr Massey will co-host an informal, group Zoom session on alternating Friday’s, at a time TBD. These sessions are intended to provide students an additional opportunity to further discuss questions from class, relevant current events, and course assignments.

**Required Text**


All other readings for the seminar are either accessible through the University of Georgia library system or will be provided by the instructor.

**Grading**

**Course Requirements and Grading Components**

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<tr>
<th>Requirement</th>
<th>Percentage</th>
<th>Frequency</th>
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<tr>
<td>Professionalism</td>
<td>10%</td>
<td>Daily</td>
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<tr>
<td>Weekly Policy Memos</td>
<td>20%</td>
<td>Weekly</td>
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<tr>
<td>Mid-term Policy Report and Presentation</td>
<td>30%</td>
<td>October 5th</td>
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<tr>
<td>Final Policy Report and Presentation</td>
<td>40%</td>
<td>November 16th</td>
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**Professionalism (10%)**

A student’s professionalism grade is determined by one’s class participation, attitude toward and enthusiasm for the topic and assignments, contribution to lectures and discussion, engagement in group activities, personal conduct and correspondence with instructors and all class members. Finally, attendance and punctuality are the hallmarks of professionalism. **Unexcused absences will result in a one letter decrease in the student’s final grade.**

**Weekly Policy Memos (20%)**

Weekly policy memos should identify key aspects of the readings that are most important for informing nuclear energy policy in the twenty-first century. For example, students may discuss primary actors, their objectives, resources, strategies, policies, outcomes and lessons learned. Reading assignments are listed on the syllabus the day they will be discussed in class. Each student is expected to complete the required readings and be prepared to participate actively in discussions. Weekly policy memos must conform to the MIP Policy Memo Format attached to this syllabus and posted on eLC. Students must email each instructor their weekly policy memos by **12:00 p.m. (est) on the Monday prior to class**. Policy memos delivered after the 12:00 p.m. (est) deadline will not be reviewed or receive credit.
Midterm Policy Report and Presentation (30%)
This group project is designed to conduct an in-depth analysis of Russian and Chinese energy strategies. The class will be divided into four groups and each group will be assigned one of the following topics for their midterm policy report and presentation:

- Russia’s Oil & Gas Strategy
- Russia’s Nuclear Strategy
- China’s Oil & Gas Strategy
- China’s Nuclear Strategy

The midterm policy report and presentation are due by email to each instructor by **12:00 p.m. (est) on Monday, October 5, 2020 (the day before class)**. Additionally, each group must deliver a hardcopy of their midterm policy report and presentation to each instructor (i.e., two copies of the report and presentation) at the beginning of class on **Tuesday, October 6, 2020**.

Final Policy Report and Presentation (40%)
This group project is designed to build on the analysis outlined in the midterm report by evaluating the national security implications of the midterm analysis. The final policy report will enumerate core U.S. energy policy principles and offer compelling and feasible energy policy recommendations to operationalize those principles in the contemporary international environment. The final policy report and presentation are due by email to each instructor by **12:00 p.m. (est) on Monday, November 16, 2020 (the day before class)**. Additionally, each group must provide a hardcopy of their final policy report and presentation to each instructor (i.e., two copies of the report and presentation) at the beginning of class on **Tuesday, November 17, 2020**.

Administrative Issues
The course syllabus is a general plan for the course; deviations announced to the class by the instructors may be necessary. All academic work must meet the standards contained in the University of Georgia’s “Culture of Honesty” (http://www.uga.edu/honesty/ahpd/culture_honesty.htm). You are responsible to inform yourself about those standards before performing any academic work. Our policy for academic dishonesty is very simple: Don’t plagiarize. If you turn in a written assignment that is (in part) not your own work you will receive a failing grade for the course. Disciplinary proceedings to dismiss you from the University may be initiated against you.

The University of Georgia seeks to provide students with disabilities the opportunity to fully participate in educational programs and services. In keeping with this philosophy, it is University policy that students with documented disabilities receive reasonable accommodations through access to classroom information. If you require special accommodations because of a university-documented condition, please contact me during the first two weeks of the semester and we can work with the Disability Resource Center in order to achieve a positive outcome.
Important Dates
August 20th-26th: Drop Add
October 13th: Midterm
October 27th: Withdrawal Deadline
October 30th: Fall Break
November 25th-27th: Thanksgiving Break (All classes after Thanksgiving Break are on-line.)

UGA COVID-19 Precautions

Face Coverings: Effective July 15, 2020, the University of Georgia—along with all University System of Georgia (USG) institutions—requires all faculty, staff, students and visitors to wear an appropriate face covering while inside campus facilities/buildings where six feet social distancing may not always be possible. Face covering use is in addition to and is not a substitute for social distancing. Anyone not using a face covering when required will be asked to wear one or must leave the area. Reasonable accommodations may be made for those who are unable to wear a face covering for documented health reasons. Students seeking an accommodation related to face coverings should contact Disability Services at https://drc.uga.edu/.

DawgCheck: Please perform a quick symptom check each weekday on DawgCheck—on the UGA app or website—whether you feel sick or not. It will help health providers monitor the health situation on campus: https://dawgcheck.uga.edu/

What do I do if I have symptoms?
Students showing symptoms should self-isolate and schedule an appointment with the University Health Center by calling 706-542-1162 (Monday-Friday, 8 a.m.-5 p.m.). Please DO NOT walk-in. For emergencies and after-hours care, see https://www.uhs.uga.edu/info/emergencies.

What do I do if I am notified that I have been exposed?
Students who learn they have been directly exposed to COVID-19 but are not showing symptoms should self-quarantine for 14 days consistent with Department of Public Health (DPH) and Centers for Disease Control and Prevention (CDC) guidelines. Please correspond with your instructor via email, with a cc: to Student Care & Outreach at sco@uga.edu, to coordinate continuing your coursework while self-quarantined. If you develop symptoms, you should contact the University Health Center to make an appointment to be tested. You should continue to monitor your symptoms daily on DawgCheck.

How do I get a test?
Students who are demonstrating symptoms of COVID-19 should call the University Health Center. UHC is offering testing by appointment for students; appointments may be booked by calling 706-542-1162.

UGA will also be recruiting asymptomatic students to participate in surveillance tests. Students living in residence halls, Greek housing and off-campus apartment complexes are encouraged to participate.
What do I do if I test positive?
Any student with a positive COVID-19 test is required to report the test in DawgCheck and should self-isolate immediately. Students should not attend classes in-person until the isolation period is completed. Once you report the positive test through DawgCheck, UGA Student Care and Outreach will follow up with you.

Course Schedule: The syllabus is a general plan for the course; deviations announced to the class by the instructors may be necessary.

Week 1, August 25th
Course Introduction and Overview: Conducted via Zoom from 12:45-3:35.

SECTION I: ORIGINAL PRINCIPLES OF U.S. NUCLEAR POWER POLICY

Week 2, September 1st
Topic: 21st Century Energy Statecraft

Readings:
Gates, Exercise of Power, Prologue – Ch. 2

Week 3, September 8th
Topic: Historical and Contemporary Contexts I

Readings:
Gates, Ch. 9 Russia: Missed Opportunity?
O’Sullivan, Ch. 9, Russia: More Petulant, Less Powerful

Week 4, September 15th
Topic: Historical and Contemporary Contexts II

Readings:
Gates, Ch.12 China: Competition, Conflict, or Something New
O’Sullivan, Ch. 10, China: Greater Degrees of Freedom
SECTION II: DISPOSITION OF 21ST CENTURY U.S. NUCLEAR POWER POLICY

**Week 5, September 22nd**
Topic: Policy Landscape I

Readings:
- Nuclear Fuels Working Group Report

**Week 6, September 29th**
Topic: Policy Landscape II

Readings:

SECTION III: CONTEMPORARY CHALLENGES TO THE U.S. NUCLEAR ENTERPRISE

**Week 7, October 6th**
Mid-term Policy Reports & Presentations

**Week 8, October 13th**
Topic: Great Power Competition

Readings:
- Fontaine, Richard, “Great-Power Competition is Washington’s Top Priority—but Not the Public’s,” *Foreign Affairs*, 9 September 2019

**Week 9, October 20th**
Topic: Great Power Competition - Energy
Readings:

**Week 10, October 27th**

Topic: Climate Change

Readings:
  O’Sullivan, Ch. 7: Energy Abundance, Climate, and the Environment

**Week 11, November 3rd**

Topic: Proliferation

Readings:
  Gates, Ch.3 Iran: Great Satan’s Bane
  Gates, Ch.11 North Korea: Crazy Like a Fox
**Week 12, November 10th**  
Topic: Security & Waste

Readings:

**Week 13, November 17th**  
Group Presentation

**Week 14, November 24th**  
Group Presentation

**Thanksgiving Break, November 25-27th**  
*All classes after Thanksgiving Break are online.*

**Week 15, December 1st**  
Course Wrap-up: Conducted via Zoom from 12:45-3:35
Mental Health and Wellness Resources:

- If you or someone you know needs assistance, you are encouraged to contact Student Care and Outreach in the Division of Student Affairs at 706-542-7774 or visit [https://sco.uga.edu](https://sco.uga.edu). They will help you navigate any difficult circumstances you may be facing by connecting you with the appropriate resources or services.
- UGA has several resources for a student seeking mental health services ([https://www.uhs.uga.edu/bewelluga/bewelluga](https://www.uhs.uga.edu/bewelluga/bewelluga)) or crisis support ([https://www.uhs.uga.edu/info/emergencies](https://www.uhs.uga.edu/info/emergencies)).
- If you need help managing stress anxiety, relationships, etc., please visit BeWellUGA ([https://www.uhs.uga.edu/bewelluga/bewelluga](https://www.uhs.uga.edu/bewelluga/bewelluga)) for a list of FREE workshops, classes, mentoring, and health coaching led by licensed clinicians and health educators in the University Health Center.
- Additional resources can be accessed through the UGA App.