**HIST 007: THE LITTLE ICE AGE**
**VOLCANOES AND CRISES IN THE PRE-MODERN WORLD**

Essential Information:

**Lectures:** Tuesdays and Thursdays, 11:00-12:15.

**Professor:** Dr. Dagomar Degroot.

**Professor’s email:** dd865@georgetown.edu.

**Professor’s Office Hours:** Thursdays, 2:00-4:00 in ICC 617B.

**Course Website:** LIAtutorial.weebly.com
Course Description:

Human greenhouse gas emissions are today causing Earth’s average temperature to rise more quickly than it has in the 300,000-year history of our species. Yet even before widespread industrialization set in, Earth’s climate was never stable. Natural forces triggered preindustrial climate changes that may not have reached the scale of present-day warming, but still had profound consequences for societies the world over.

In this seven-week module in the Core Curriculum Pathway, we will explore one of the greatest of these climate changes: the global cooling that lingered from the thirteenth through the nineteenth centuries and is today called the “Little Ice Age.” We will discuss how volcanic eruptions and fluctuations in solar activity lowered Earth’s average temperature, and how scholars have reconstructed these changes through time. We will investigate the human consequences of the Little Ice Age, and find lessons for our warmer future. In the process, we will learn about the discipline of environmental history, which draws from both the sciences and the humanities to explore how humanity has altered, and been altered by, the nonhuman world.

Course Goals:

Like other courses offered by the Department of History, this course will help you:

1. Gain a deeper appreciation of the nature and practice of history as a discipline, and as the study, based on evidence, of human experiences, interactions, and relationships as they change over time.
2. Learn that history does not consist of a simple succession of self-evident facts, and that evidence-based interpretation and analysis are central to all historical work.
3. Hone reading, writing, and oral communication skills.
4. Develop your capacity to think historically: to situate events and developments in their historical context for the purpose of critical analysis.
5. Expand your ability to engage with complex causal analysis, and to articulate arguments that integrate supporting evidence and analytical commentary.
6. View the world from perspectives other than your own.

This course in particular will also help you:

1. Appreciate the significance and deep context of modern climate change.
2. Understand complex relationships between climate change and humanity.
3. Broaden your appreciation for diverse scholarly disciplines, and their distinct ways of deciphering the past.

Breakdown:

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<td>Participation</td>
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<td>Ship Logbook Essay</td>
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<td>“Tipping Points” Article</td>
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<td>Final Test</td>
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Evaluation:

Participation:

You will earn one third of your participation grades for attending class. Another third will reflect both the quantity and especially the quality of your comments. If we break into groups for debates and primary source exercises, I will evaluate your group participation. If you want top grades, I strongly encourage you to keep notes from your readings. You should aim for at around two pages of single-spaced notes per week. You will earn the last third of your grade by attending and participating in our integrative sessions.

Ship Logbook Essay:

Write a five-page essay that uses peer-reviewed secondary sources – including those you’ll read in this course – to analyze several pages of a primary source. The source: one ship logbook written by English adventurer John Davis during a sixteenth-century expedition in search of a “Northwest Passage” through the Canadian Arctic to Asia. You can find the source on our class website.

Tell me:

1. What does that primary source tell us about weather?
2. Can we link that weather to climate change?
3. What does the source reveal about human responses to weather?
4. Ultimately, what does it suggest about relationships between climate change and human history?

Be sure to include a thesis. In other words, try to come up with an argument that can be debated, and explain how you will prove that argument. We will discuss all of this in class.

“Tipping Points” Article:

Visit ClimateTippingPoints.com. Use the tools listed on the site to write a short (roughly 500-750 word) article that explains the consequences of climate change (cooling or warming) in an American county. **Tell me which county you have in mind before writing your article!** Your essay will tell our readers: 1) How climate change has affected a local environment; 2) How we know; and 3) How the local environmental consequences of climate change have influenced peoples’ lives.

You can bring in additional information from newspapers or scholarly articles. You should also include maps or graphs that visualize the impact of climate change on a particular place, so long as you are able to explain how they were made. With your consent, I will edit your article and publish it on our website. You may remain anonymous if you choose.

I have written a template on Tulare County that should give you an idea of what I am looking for. We will also discuss how to write the article in class. You must email me a PDF and a Word
or Open Office version of your article, as well as separate attachments for all the images you used. I do not need a physical copy.

Final Test:

This 75-minute test consists of six short essay questions, of which you must answer three. I will give you many more details in class.

**Grading Criteria:**

*Each of these criteria will be worth approximately a third of your grade:*

**Clarity:**

Are you using words that appropriately and formally express your meaning? Are your points sourced correctly? Do your sentences precisely express your meaning, and are they grammatically correct? Is there a clear thesis that presents an argument and outlines how that argument will be defended? Is there a coherent organization that culminates in a conclusion that references the thesis?

**Research:**

Are your secondary sources serious works of scholarship, and are they relevant to your argument? Do your primary sources illuminate the issue you are investigating, and to what extent? Are those primary sources relevant to your argument, and do you present them in the context of your secondary sources?

**Ideas:**

How creative and nuanced are your arguments? Are you merely repeating the claims of other scholars, or are you evaluating them in the context of other arguments and concepts? To what extent can you develop fresh ideas?

**Required Course Texts (both available as free e-books):**


**Important Notes:**

House Rules:
You may use your laptops or tablets to take notes or to look up information in class. However, you may not use your phones, and you may not record your professor’s lectures. You may not access social media in class, which is distracting both for you and for your classmates.

Do not show up late to class. This detracts from your learning and disturbs your classmates. If you are repeatedly late, I may lower your participation grade without informing you.

Submitting Assignments:

Assignments are due at the beginning of class, including assignments you need to email to me. Any assignment submitted after the first 15 minutes of class is late. Late assignments will receive a 5%/day penalty. I will not grade assignments that are more than one week late, unless you have negotiated an extension with me (see below).

Extensions:

You may ask me for a short extension before an assignment is due. I am more likely to grant your request if you A) give me a convincing explanation for your tardiness; B) give me a roadmap that outlines how you will complete your assignment; and C) propose a new due date.

I will only grant requests for an extension on or after the assignment due date in truly exceptional circumstances (a death in the family, for example, or a very serious illness). In such cases, I may ask for written verification.

Be sure to contact your deans in case of absences, difficulties meeting due dates, and other problems.

Missing Assignments:

If you fail to hand in an assignment, you will receive a zero for that assignment. You will not fail the course, but your ability to pass the course will be in serious jeopardy. You will not necessarily receive a message from me that inquires about your missing assignment. I expect you to handle your obligations yourself.

Missing Class:

You have only one excused absence. If you think that you will need to miss several classes for significant and predictable reasons (such as religious observances, or University-sponsored athletic events), you must inform me of the specific circumstances and dates at the start of the module.

I will try to accommodate requests for a reasonable number of such absences. You must make sure that the details of the situation are clear to me early on, so that you may have a chance to enroll in a different class if I cannot accommodate your circumstances. Note that the short length of this module will make it hard for you to do well if you must miss more than one class.
You receive a grade for every class you attend. If you do not attend a class and you have already had your one excused absence, you will receive a grade of zero for the class you missed. This will significantly lower your overall grade.

**Academic Honesty:**

Plagiarism is not just about copying someone else’s writing. Any time you present ideas without correctly citing them, you are committing plagiarism. This is the most serious intellectual offense you can commit in academia, so your professors take it very seriously.

It is your responsibility to familiarize yourself with the [Georgetown University Undergraduate Honor System](https://www.georgetown.edu/undergraduatehonor). It is your professor’s duty to refer academic misconduct - including plagiarism – to the Georgetown Honor Council. If the Council decides that you have plagiarized, you will fail this class and suffer additional penalties.

**Beyond the Course:**

I am committed to supporting survivors of sexual misconduct, which includes relationship violence, sexual harassment and sexual assault. However, university policy requires faculty to report any disclosures about sexual misconduct to the Georgetown Title IX Coordinator, who directs the University’s response to sexual misconduct.

Georgetown has a number of fully confidential professionals who provide support and assistance to survivors of sexual assault and other forms of sexual misconduct. They include:

Jen Schweer, MA, LPC, Associate Director of Health Education Services for Sexual Assault Response and Prevention. Contact: (202) 687-0323, jls242@georgetown.edu.

Erica Shirley, Trauma Specialist, Counseling and Psychiatric Services (CAPS). Contact: (202) 687-6985, els54@georgetown.edu.

More information about campus resources and reporting sexual misconduct can be found at: [http://sexualassault.georgetown.edu](http://sexualassault.georgetown.edu).

**Schedule:**

- *Your professor may change this schedule, but you will have at least a week’s notice.*
- *Complete all weekly readings by Tuesday.*

**Week 1: Introducing Climate History and Historical Climatology**

October 19: Why Climate Changes, Reconstructing Past Climate Changes

Readings:


**Week 2: Medieval Warmth and Crisis**

October 24: The Medieval Climate Anomaly in Europe and the Far North  
October 26: The Dantean Anomaly, the Wolf Minimum, and the Black Death

Readings:


**Week 3: Onset of the Little Ice Age**

October 31: The Little Ice Age: Causes, Concepts, and Controversy  
November 2: **NO CLASS.** Listen to one of two podcast episodes: “A Conversation with Dr. Geoffrey Parker” OR “A Conversation about Archaeology in the Arctic.”

Readings:


**Week 4: The General Crisis and the Coldest Century**

November 7: Climate Change, Famines, and Epidemics in the Seventeenth Century
November 9: Rebellions, Wars, and Scapegoats

Readings:

2. Read ONE of the following:

Week 5: Adaptation and Resilience in the Face of Climate Change

November 14: Resilience and Adaptation to the Little Ice Age
November 16: Integrative Day

SHIP LOGBOOK ESSAY DUE: NOVEMBER 14

Readings:


Week 6: The End of the Little Ice Age

November 21: Tambora and the Final Year Without a Summer
November 23: Thanksgiving!

Readings:


Week 7: Learning from the Little Ice Age

November 28: Lessons from Past Climate Change
November 30: Test Review and Module Evaluation

Readings:


Week 8: Final Test

TIPPING POINTS ARTICLE DUE: DECEMBER 5

December 5: IN CLASS TEST