

May 2007 Iceland Tour, tentative itinerary

May 12	845 p	Depart US, BWI-RKV
May 13	625a 10a-Noon 130p the 230p	Arrive Reykjavik City sightseeing tour The Hitaveita Reykjavr (Reykjavik Power Corporation). Learning about how city geothermal heating system has been built up ever since the 1930s to the present day. Questions and answers. A visit the company's main installations: pipelines and hot water reservoirs, pumping stations, etc
May 14	in the	Tour of the Reykjanes peninsula, the geothermal power plants at Reykjanes and Svartsengi, (tour both plants with engineers). End of the day: bathing internationally famous Blue-Lagoon
May 15	9a 1030a 130p 3p	Visit to the University of Iceland, Dept of Engineering, meeting with Dr Bragi-mason, specialist and pioneer in the use of hydrogen as an alternate source of energy. Questions and answers Endurvinnslan: Reykjavik recycling plant: Visit to methane facility and "gas-station" Hellisheiower Power plant, (the most technologically advanced geothermal power plant). Green-house village of Hverager – visit hot-springs, greenhouses, outdoor swimming pool
May 16		Visit of the mid-Atlantic Rift, at Almannagjbr Visit to west Iceland, most powerful hot spring at Deildartunga, witness how it has been harnessed (without damaging it) in order to provide adequate heating for the two nearby towns Return to Thingvellir and visit of the Nesjavellir Power-plant.
May 17 geothermal		Visit the college village of Laugavatn, and witness the original ways energy used.
May 18		Full day's hiking and outing. Overnight at the fully furnished mountain cabin, where we'll do our own cooking.
May 19		Full day's exploration of the south coast of Iceland
May 20	530p	National Park of Skaftafell, country's highest peak Domestic flight back to Reykjavik
May 21	130p 455p 705p	Free morning in Reykjavik Return to the Blue Lagoon for a last bath, a farewell to Iceland. Return to US on afternoon flight Arrive BWI, overnight at BWI-Best Western
May 22	Morning	Return from BWI to homes



To pack:

Iceland Air restrictions: **Two checked bags**, not weighing more 50lbs each, total of the 3 dimensions (L+W+H) does not exceed 62in; **One carry-on bag**, not weighing more than 13lbs, total of the 3 dimensions (L+W+H) does not exceed 45in.

- 1) Pack light, as we'll be moving lodging frequently (may be 3 pairs of pants, 3-4 sweaters, hikable shoes/boots – rain wear, gloves, hats, scarves – think layers)
- 2) For dinners, you'll need to dress "nicer" – dark slacks, nice shirt, nice shoes – no sneakers, jeans, tshirts, sweat shirts. Maybe bring 2 sets that you can rotate.
- 3) Swim suit for dips in hot springs.
- 4) Anticipate headaches, colds, sniffles, etc., and bring medicines.

BIOSC 490 - SECTION 005 - SPRING 2007
2 CREDITS

NATIONAL SCHOLARS GLOBAL CLIMATE CHANGE & ICELAND TRIP SEMINAR

COURSE INFORMATION & SYLLABUS

**COORDINATING
INSTRUCTOR**

Dr. Jerry A. Waldvogel
Office: 330E Long Hall
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Dept. of Biological Sciences
Clemson University
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**CLASS
MEETINGS**

Thursday 6:30-8:30 pm 224 Long Hall

**COURSE
DESCRIPTION
& OBJECTIVES**

BIOSC 490, Section 5 introduces students to the key aspects of the atmospheric science and public policy that are at the heart of the climate change debate. We will sort through conflicting claims by analyzing how policy debates work and how scientific consensus is achieved. We will consider the role of uncertainty in science and how it affects the formation of social policy. Along the way we will consider in depth WHY the climate change debate has become so confusing.

Although we will discuss climate change from a global perspective, Iceland will serve as a geopolitical focus of the course. Iceland has some of the worlds most abundant and fascinating geothermal features, which represent an alternative energy source to the carbon-based fuels whose emissions are a primary cause of present day climate shifts. Iceland also has developed forward-thinking energy policies that serve as possible roadmaps for other nations to follow. In addition, the Scandinavian countries of which Iceland is a part stand to lose important environmental features such as glaciers and oceanic productivity if global climate change predictions are realized. Iceland is thus an ideal geographic location from which to base our analysis of the science, politics, social and economic issues associated with global climate change.

**REQUIRED
TEXTBOOKS**

We will read and discuss the following books during this course:

Dessler, A. E. & E. A. Parson (2006). *The Science and Politics of Global Climate Change: A Guide to the Debate*. Cambridge University Press.
ISBN-13: 978-0521539418 **ISBN-10:** 0521539412

Karlsson, Gunnar (2000). *The History of Iceland*. University of Minnesota Press. **ISBN** 0816635897

ATTENDANCE

Attendance is expected at all class meetings, unless prior arrangements have been made with me. Your active participation in our class discussions is also expected. If I am late for any of our meetings, you are expected to remain for 15 minutes past the official start time before assuming that class has been postponed for that day.

EVALUATION & GRADING

Grades in this course will be based on the following:

Class attendance & discussion participation	20%
Writing assignments associated with text readings	40%
Research presentation	40%

Details of the specific expectations and due dates for each of these assignments will be provided at relevant points throughout the course.

The following table shows how final course averages will relate to letter grades and grade points for BIOSC 490(5):

<u>Final Average (%)</u>	<u>Letter Grade</u>	<u>Grade Points</u>
90-100	A	4.0
80-89.9	B	3.0
70-79.9	C	2.0
60-69.9	D	1.0
< 60	F	0.0

PROBLEMS

Problems regarding course material, or those of a personal or special nature, should first be discussed with me. If I cannot answer your question or resolve the problem, I will direct you to the proper departmental or university office for assistance.

STUDENT DISABILITIES

Students with disabilities who need special accommodations should make an appointment with the Office of Student Disability Services located in G-20 Redfern (656-6848). These accommodations should be taken care of within the first month of classes to be most effective. SDS will provide qualified students with a Faculty Accommodation Letter that should then be delivered to me.

DROP/ADD/ WITHDRAWAL

Students who wish to drop or withdraw from BIOSC 490(5) can do so without my assistance using the University's online registration system. You should be aware of the following important dates:

24 Jan	last day to drop without a record of withdrawal
2 Mar	last day to drop without receiving a final course grade

Given limitations on how many withdrawal hours a student may use during his/her time at Clemson University, it is generally a good policy to consult with your advisor before dropping a course.

COMMUNICATIONS & COURSE MATERIALS

I will periodically communicate with you outside of class via email. You should get in the habit of checking your university email account for such messages. I will send emails only to your university account, so it is your responsibility to make sure that you monitor that account on a regular basis. I am not responsible for messages that are lost when you transfer emails to and from multiple accounts.

I will also post some course materials via Blackboard, the university's on-line course management system. Blackboard may be accessed from any web browser at

<http://bb.clemson.edu>. Details about specific items posted on Blackboard for this course will be discussed as needed throughout the semester.

CELL PHONES

Our class time is valuable, and unnecessary interruptions from cell phones detract from that time. Please be sure to turn off your phone before class starts. If you must have your cell phone on during class for an important reason, please advise me in advance and then take the call outside of the classroom.

ACADEMIC INTEGRITY & DISHONESTY

The following is Clemson University's official statement on academic integrity:

As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a "high seminary of learning". Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.

Academic dishonesty includes giving, receiving, or using unauthorized aid on any academic work. It also includes plagiarism; the copying of language, structure, or ideas of another and passing them off as one's own work. All academic work attempted contains an implicit pledge by the student that no unauthorized aid has been received. The official procedures for handling academic dishonesty are described in the current edition of the student handbook. You should read and become familiar with this information. A BioSc 490 student found to be in violation of the academic integrity policy receives a grade of zero for the work attempted. Second offenses result in an automatic grade of "F" for the course, and raise the possibility of suspension or permanent dismissal from the University.

BIOSC 490(5) – S'07 LECTURE & DISCUSSION SCHEDULE

<u>Date</u>	<u>Topic</u>
18 Jan	Introductions, Course Themes & Policies – Overview of Topics
25 Jan	Discussion of Dessler & Parson Ch 1 & 2
1 Feb	Discussion of Dessler & Parson Ch 3
8 Feb	Discussion of Dessler & Parson Ch 4
15 Feb	Discussion of Dessler & Parson Ch 5
22 Feb	In class viewing and critique of <i>An Inconvenient Truth</i>
1 Mar	Discussion of Karlsson (Part 1)
8 Mar	Discussion of Karlsson (Part 2)
15 Mar	A Photo Tour Of Iceland and its Geology – Dr. Alan Elzerman
22 Mar	<i>NO CLASS (spring break)</i>
29 Mar	<i>NO CLASS</i>
5 Apr	Student research presentations
12 Apr	Student research presentations
19 Apr	<i>NO CLASS</i>
26 Apr	<i>NO CLASS</i>