

ATM 620 Climate Group Journal Club

Spring 2007 Course Syllabus

Instructors of Record: Dr. Uma Bhatt, (474-2662, bhatt@gi.alaska.edu)

Meeting Time: 3:30-4:30 p.m. on Friday in IARC 319

Office Hours: By appointment

Prerequisites: Graduate Standing and a basic knowledge of meteorology and/or oceanography, climate, such that the student is able to read and comprehend current journal articles reasonably well.

Materials Needed: No Required Text. Reading materials will be available for students/participants to copy.

Evaluation and Grading Policy: Students are expected to attend the class, do the required reading, participate and present one lecture. Each student will lead a discussion for at least one journal article or give a research talk. The class will be graded Pass/Fail. A passing grade requires an overall percentage of 80% or greater.

	% of total grade	Grades will be based on the following
Attendance	10%	Come to Class
Participation	40%	Discuss and provide feedback to other participants, Ask questions,
Presentation	50%	1) Technical aspects of presentation 2) Scientific content & critical thinking

Course Material:

The "Climate Group" is an informal meeting for researchers, Ph.D. and Masters students to be held at IARC. Most semesters it revolves around research and current paper discussions. This semester the class will revolve around the theme of '**What is Climate Research?**'. The course will be a mixture of journal paper reading/discussion, presentations on classical climate topics, presentation on climate policy as well as meeting reports. This diverse selection of topics aims to help students better define what is meant by the word 'Climate'.

All students and faculty are encouraged to attend and to contribute. Students taking the course for credit are required to lead at least one discussion during the semester. This may include either presenting a research plan, research results, or leading a discussion of a journal article.

Expected Proficiencies:

- Learn to discuss science in an effective manner
- Develop skills to read papers critically
- Improve the quality of your presentations

Course Outline: Meeting Dates with Key Speakers listed. The schedule is somewhat fluid and email messages will be sent out to alert the audience to this week's topic.

Course Outline: Meeting Dates with Topics

DATE	TOPIC
19 Jan. 2007 class#1	<ul style="list-style-type: none"> Journal Club paper reading: 'Some coolness about Global Warming' by R. Lindzen, 1990, BAMS. To be led by P. Bieniek.
26 Jan. 2007 class#2	<ul style="list-style-type: none"> M. Mesquita: 'Milankovich Cycle'
2 Feb. 2007 class#3	<ul style="list-style-type: none"> J. Zhang: " Climate Downscaling in Alaska to Determine Glacier Mass Balance"
9 Feb. 2007 class#4	<ul style="list-style-type: none"> P. Kohler: 'Science and the Kyoto Protocol: facilitating global action on climate change'
16 Feb. 2007 class#5	<ul style="list-style-type: none">
23 Feb. 2007 class#6	<ul style="list-style-type: none"> X Zhang: Meeting Report for 'Errors in Models' meeting in California the previous week (needs to be finalized).
2 Mar. 2007 class#7	<ul style="list-style-type: none"> Z. Li: 'Water Cycle in an enhanced CO2 world' (temporary working title)
9 Mar. 2007 class#8	<ul style="list-style-type: none">
16 Mar. 2007	<ul style="list-style-type: none"> NO CLASS Spring Break!
23 Mar. 2007 class#9	<ul style="list-style-type: none">
30 Mar. 2007 class#10	<ul style="list-style-type: none">
6 Apr. 2007 class#11	<ul style="list-style-type: none">
13 Apr. 2007 class#12	<ul style="list-style-type: none">
20 Apr. 2007 class#13	<ul style="list-style-type: none">
27 Apr. 2007	<ul style="list-style-type: none"> NO CLASS Friday Fling
4 May 2007 class#14	<ul style="list-style-type: none">

Course web page:

www.gi.alaska.edu/~bhatt/Teaching/ATM693.Climate.JC/atm620.spring2007.html

Disabilities Services:

The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. We will work with the Office of Disabilities Services (203 WHIT, 474-7043) to provide reasonable accommodation to students with disabilities.