

Fire, Air, and Water: Effects of the Sun, Atmosphere, and Oceans in Climate Change and Global Warming

Olympia, WA, 9-11 July 2007

[Chautauqua workshop](#) by [Dr. E.J.Zita](#), The Evergreen State College, SEM II B 1107

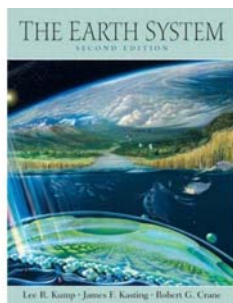
Based in part on the [2006 workshop](#) by [Richard Gammon](#) (gammon@u.washington.edu) and on Zita and Chin-Leo's [Fire & Water](#) program.

Syllabus	Participants	Links	Presentations	Workshops	Books	Register here
Location & directions		Housing	Contacts	Green Classroom	Articles	UW Chautauqua

Description: *Global climate change is coupled with changes in the total Earth system. This course will provide an introduction to the Earth as an integrated system. The coupled ocean-atmosphere circulation, the natural variability of weather and climate, variations in Earth's orbit and the Sun's luminosity, and global biogeochemical cycling of carbon and essential life elements are important factors in this system.*

*Anthropogenic perturbations of the global system, such as global climate change due to greenhouse gases, are considered in some detail. We will consider **evidence** for global climate change, **impacts** of global warming, such as biodiversity losses and increased frequency of extreme weather events; and **mitigation options**, including policy responses and personal choices that may slow global warming.*

For college teachers of: science, engineering, and public policy. High school teachers are welcomed on a space-available basis. **Prerequisites:** none.



Our primary text will be [The Earth System](#) (2d ed.) by Lee R. Kump, James F. Kasting, Robert G. Crane, pub. Pearson/Prentice Hall, 2004

This is an excellent multidisciplinary text. Copies are available at Evergreen's campus bookstore (on the end cap near the children's clothing), or you may prefer to bring one with you.

We will also use journal articles and parts of the 2007 Intergovernmental Panel on Climate Change ([IPCC](#)) report. The Summaries for Policymakers are a good place to start.

Send articles or websites for this page to [zita\(at\)evergreen.edu](mailto:zita(at)evergreen.edu), or better yet, [visit our Wiki page](#) and post your own comments and resources!

Housing: We have reserved a block of rooms at below the government rate at the nearby [Extended Stay](#) on Highway 101. To reserve your room at the rate of \$70.79 per person, per night, please call Extended Stay directly at 360-754-6063, and ask for the rooms for the

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Here's how to [visit our Wiki page](#) and post your own comments and resources:

http://www2.evergreen.edu/wikis/chacha/index.php?title=Main_Page

To logon to a campus computer, use **Login: climatechange**
Password: _____



The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying http://www2.evergreen.edu/wikis/chacha/index.php?title=Special:Userlogin&type=login&returnto=Main_Page. The page header features the "EVERGREEN" logo and a "Log in /Create and Account" link. A navigation sidebar on the left includes links for "Main Page", "Recent changes", "Help", a search box, and a "Toolbox" with "Upload file" and "Special pages". The main content area is titled "Log in /Create and Account" and contains a "Log in" section. This section includes a link for "Create an account", a note about cookies, and input fields for "Username:" and "Password:". There is also a "Remember me" checkbox and "Log in" and "E-mail password" buttons.



The screenshot shows the "Create account" section of the Evergreen Wiki. The page header and navigation sidebar are identical to the previous screenshot. The main content area is titled "Log in /Create and Account" and contains a "Create account" section. This section includes a link for "Log in", input fields for "Username:", "Password:", "Retype password:", "E-mail *:", and "Real name *:", a "Remember me" checkbox, and a "Create account" button. Below the form, there are two asterisked notes: "* E-mail (optional): Enables others to contact you through your user or user_talk page without needing to reveal your identity." and "* Real name (optional): if you choose to provide it this will be used for giving you attribution for your work."

Main Page

From chacha

Welcome to the Chautauqua Climate Change Wiki site!

Chautauqua participants, this is your site. You can edit it, post your comments and insights, post resources to share, and continue the conversation we started in June 2006! Thanks to Amy Greene at The Evergreen State College for setting up this site for us. Please report any difficulties to zita(at)evergreen.edu

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- 5 How will you use what we learned in the 2007 Climate Change workshop by E.J. Zita?
- 6 Tell us about your upcoming classes?

Chautauqua Climate Change workshop

- Visit our webpage [1] (<http://academic.evergreen.edu/z/zita/meetings/Chau07/ChauCC.htm>) <- that little symbol is a weblink - click it!
- See the list of participants, with email and webpages
- See links to resources noted during the workshop

Getting started on this wiki page

- Click "edit" anywhere to add a comment. "Save page" on the bottom when done.
- Consult the User's Guide (http://meta.wikipedia.org/wiki/MediaWiki_User%27s_Guide) for information on using the wiki software.
- Configuration settings list (http://www.mediawiki.org/wiki/Help:Configuration_settings)
- MediaWiki FAQ (<http://www.mediawiki.org/wiki/Help:FAQ>)
- MediaWiki release mailing list (<http://mail.wikipedia.org/mailman/listinfo/mediawiki-announce>)

Share your comments, insights, and resources

- Post websites you like
- Post followup comments and insights. We can continue a conversation by clicking "talk for this ip" in the upper right corner.
- Upload documents you'd like to share: word.doc, powerpoint.ppt, adobe.pdf, etc. If they don't upload, email Zita(at)evergreen.edu and she can add them to our website.

Here's the web address of the movie "An Inconvenient Truth": <http://www.climatecrisis.org>

Here are links about biofuels: <http://pubs.acs.org/cen/news/84/i26/8426notw4.html>

<http://pubs.acs.org/cen/editor/84/8430edit.html>