DEPARTMENT: Environmental Health / Global Health

COURSE NUMBER: EH 582/ GH 582

CREDIT HOURS: 2

SEMESTER: Fall 2018

COURSE TITLE: Global Climate Change: Health Impacts and Response

INSTRUCTORS

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Teaching Assistant: Jake Rodgers (Email: jake.rogers@emory.edu)

COURSE DESCRIPTION

This course will explore the range of public health effects of global climate change, the range of responses undertaken by the health sector to become more resilient, and potential mitigation efforts and activities. Public health responses will cover examples from around the world, and issues around risk communication and implementation of the adaptation strategies. The course will provide a practical approach to conduct vulnerability and risk assessments, and students will be introduced to a range of skills to respond to climate-related health impacts.

EVALUATION

The course grade will be determined by a combination of class participation, performance on weekly assignments and/or quizzes, and a final group project. Grades will be assigned based on the following formula:

- Class participation: 10%
- Weekly assignments and/or exercises: 50%
- Group presentation(s): 40%

Class participation will be assessed by the instructor and will be based on the student’s attendance, contributions to class discussion and engagement with the lecture material. Students that receive full credit will have participated regularly, meaningfully, and through multiple ways. If you will miss a class, you must notify the instructors in advance of your absence and a make-up assignment will be determined on a case-by-case basis.
In-class quizzes will assess students' engagement with recommended readings for each lecture. Each quiz will vary from short multiple-choice questions, to short-answer questions, to basic problem solving. Each quiz will be based on questions (i) designed by the instructor that all students will need to respond to, and (ii) questions prepared individually by a pre-assigned group of students for the rest of the class. The performance in all the quizzes will be worth 50% of the final grade. In-class quizzes are closed-book and closed-notes.

Group presentations constituting the main project for the semester will be a team exercise, with teams working throughout the semester to develop a presentation on an assigned topic related to health impacts from climate change. Groups, topics, and framework for projects will be discussed during the first three weeks of the semester. Groups will have opportunities to meet with the instructors and TA to discuss their approach and progress made throughout the semester. Presentation time limits will be enforced, and teams should practice presentations beforehand to resolve timing, A/V and clarity issues. The presentation will comprise 40% of the course grade. For group work, the instructors reserve the right to assign grades as a group or individually to members of a group.

COURSE POLICIES

As the instructors of this course, we will endeavor to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with us and the Office for Equity and Inclusion, 404-727-9877.

RSPH POLICIES

Accessibility and Accommodations

Accessibility Services works with students who have disabilities to provide reasonable accommodations. In order to receive consideration for reasonable accommodations, you must contact the Office of Accessibility Services (OAS). It is the responsibility of the student to register with OAS. Please note that accommodations are not retroactive and that disability accommodations are not provided until an accommodation letter has been processed.

Students who registered with OAS and have a letter outlining their academic accommodations are strongly encouraged to coordinate a meeting time with me to discuss a protocol to implement the accommodations as needed throughout the semester. This meeting should occur as early in the semester as possible.

Contact Accessibility Services for more information at (404) 727-9877 or accessibility@emory.edu. Additional information is available at the OAS website at http://equityandinclusion.emory.edu/access/students/index.html
Honor Code

You are bound by Emory University’s Student Honor and Conduct Code. RSPH requires that all material submitted by a student fulfilling his or her academic course of study must be the original work of the student. Violations of academic honor include any action by a student indicating dishonesty or a lack of integrity in academic ethics. *Academic dishonesty refers to cheating, plagiarizing, assisting other students without authorization, lying, tampering, or stealing in performing any academic work, and will not be tolerated under any circumstances.*

The RSPH Honor Code states: “Plagiarism is the act of presenting as one’s own work the expression, words, or ideas of another person whether published or unpublished (including the work of another student). A writer’s work should be regarded as his/her own property.” ([http://www.sph.emory.edu/cms/current_students/enrollment_services/honor_code.html](http://www.sph.emory.edu/cms/current_students/enrollment_services/honor_code.html))

COURSE CALENDAR

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Instructor, Affiliation</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>September 10, 2018</td>
<td>Climate change overview; Climate resilience in Atlanta</td>
<td>Daniel Rochberg, Stephanie Stuckey Benfield</td>
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<td>2</td>
<td>September, 17, 2018</td>
<td>Extreme heat</td>
<td>Shubhayan Saha</td>
<td></td>
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<td>3</td>
<td>September, 24, 2018</td>
<td>Air Pollution &amp; Pollen</td>
<td>Yang Liu, Shubhayan Saha</td>
<td></td>
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<td>4</td>
<td>October 1, 2018</td>
<td>Extreme events and public health response</td>
<td>Hugh Mainzer</td>
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<td></td>
<td>October 8, 2018</td>
<td><em>No Class – Fall Break</em></td>
<td></td>
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<td>6</td>
<td>October 15, 2018</td>
<td>Water-borne disease</td>
<td>Karen Levy</td>
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<tr>
<td>7</td>
<td>October 22, 2018</td>
<td>Vector-borne disease</td>
<td>Uriel Kitron</td>
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<td>8</td>
<td>October 29, 2018</td>
<td>Integrated assessment of climate risk and action</td>
<td>Noah Scovronick</td>
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<tr>
<td>9</td>
<td>November 5, 2018</td>
<td>Climate &amp; health risk communication</td>
<td>TBD</td>
<td></td>
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<td>10</td>
<td>November 12, 2018</td>
<td>Climate Change Policy</td>
<td>Daniel Rochberg</td>
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<td>11</td>
<td>November 19, 2018</td>
<td>Federal and local climate adaptation</td>
<td>Shubhayan Saha, Daniel Rochberg</td>
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<tr>
<td>12</td>
<td>November 26, 2018</td>
<td>Implementation Science for C&amp;H</td>
<td>Matthew Freeman</td>
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<tr>
<td>13</td>
<td>December 3, 2018</td>
<td>Climate regulation / CARE Group presentations</td>
<td>Kate Hodgins / CARE</td>
<td>Course evaluation</td>
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<tr>
<td>14</td>
<td>December 10, 2018</td>
<td>Group presentations</td>
<td>All</td>
<td>Exam period</td>
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</tbody>
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The assigned topics on each date may change as the semester progresses.
COURSE OUTLINE

For each class session, recommended readings will be made available through Canvas. Students will be advised to routinely visit the Canvas resources for the class to access the readings and other relevant course material.