

# SNES 2000: Environmental Sciences Colloquium Fall 2011

## Water Resource Management

Friday afternoons – 12:20 – 1:10 PM – 135 Emerson Hall  
Instructors: Susan Riha and Johannes Lehmann

Credit option: S/U, 1 credit (required for SNES SO/SR, credit optional for others)

**The Environmental Sciences Colloquium is open to the entire Cornell community and the public.**

Contemporary environmental issues pose complex challenges to societies that require multidisciplinary views and interdisciplinary approaches to their solution. SNES 2000 is a series of lectures on an annually changing theme central to the Environmental Sciences, which poses biophysical, economical and political challenges to modern society. Participants will become familiar with contemporary issues of environmental degradation and opportunities for their mitigation. The colloquium will provide a platform for discussion about current issues in the environmental sciences and introduce students to the complexity of information, views, and approaches.

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| <b>August 26</b>    | Introduction to the course: Organization, expectations, format   |
| <b>September 2</b>  | Group discussion and preparation for first speaker   |
| <b>September 9</b>  | The world water savings bank<br>Mike Walter, <i>Biological and Environmental Engineering, Cornell University</i>   |
| <b>September 16</b> | Safe water for resource poor communities<br>Karen Swetland, <i>AguaClara</i>   |
| <b>September 23</b> | Take Back the Tap<br>Student Group, <i>Cornell University</i>  |
| <b>September 30</b> | Toilet to tap?<br>Steve Pacenka, <i>Biological and Environmental Engineering, Cornell University</i>   |
| <b>October 7</b>    | <b>OPEN</b>  |
| <b>October 14</b>   | Water Quality Management in NYS (can we quantify our needs and actions?)<br>Ron Entringer P. E., <i>New York State Department of Environmental Conservation, Division of Water</i> |
| <b>October 21</b>   | Endocrine Disruptors: dilution is not always the solution<br>Motoko Mukai, <i>College of Veterinary Medicine, Cornell University</i>   |
| <b>October 28</b>   | Marcellus 101<br>William Kappel, <i>U.S. Geological Survey</i>   |
| <b>November 4</b>   | Chill out: Cornell's Lake Source Cooling facility and the ecological status of Cayuga Lake<br>Nelson Hairston,   |
| <b>November 11</b>  | Techniques and hurdles in groundwater treatment<br>Ruth Richardson, <i>Civil and Environmental Engineering, Cornell University</i>   |
| <b>November 18</b>  | <b>TBA</b><br>Abrahm Lustgarten, <i>Propublica</i>   |
| <b>November 25</b>  | Thanksgiving, no class   |
| <b>December 2</b>   | Final discussions. Review and evaluation.  |

**For further information, contact 607.255.1269, or [sw38@cornell.edu](mailto:sw38@cornell.edu)**