Spring 2013

Water Policy, Planning and Governance - University of Central Florida

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Water Policy, Planning and Governance
Spring 2013

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Office Hours: 3:00-6:00 pm: Tuesday and Thursday

Definition
Water Resources Policy, Planning and Governance deals with political, social, economic and administrative systems that affect the use, development, planning, and management of water resources at different levels.

Objective
To help students understand a variety of institutions, laws, decision-making, and policy tools used for governance, planning and management of water resources.

Procedure
Material will be covered through discussions, not necessarily restricted to the texts. Students are expected to read the texts and/or reading assignments thoroughly.

Readings
A tentative reading list is provided at the beginning of the course. However, readings are not limited to the provided list. It is the students’ responsibility to update the reading list based on the suggested readings in class.

Term project
Each student will develop, complete, and present a term project. Projects should be a little innovative, but not too ambitious, an excuse to look into the application of what you learn during this course to your interests. On-line students must make in-class oral presentations at the end of semester.

Discussions
Learning in this course is heavily relied on active discussions of graduate students in class. Students must actively participate in discussions. Discussions include commenting on the readings every session as well as expressing self-opinions, criticizing other approaches, and suggesting alternative methods for solving problems.

On-line students are required to contribute to discussions through writing short-notes prior to and after each session. Prior discussion includes reviewing and commenting on the required readings (submission required before class) and follow-up discussions (submission required after class) include commenting on the topics discussed in class each session. The discussion notes should be submitted through emails as instructed in class.
Assignments
Occasional assignments are given to the students during the course. Students are expected to abide by the honor system for all work. Students may work together on homework assignments, unless otherwise noted. Each student must submit his/her own work. Please write the names of the students with which you collaborated on your homework assignment.

Videos
During the course, different online videos are suggested to the students. Similar to readings, videos will be discussed in class. Online students should submit their written commentary on the provided videos.

Teamwork and out-of-class discussions
Students can highly benefit from discussions out of the class environment on readings, assignments, and course topics. Therefore, forming discussion teams is highly encouraged. Online students are highly encouraged to team up with on-campus students and communicate out of class through emails, phone, and online conversations. The in-class team members can represent their online partners in class discussions. Of course, in-class representative will be rewarded for representing online students in class discussions.

Online media and information sharing
Always try to share the information you find interesting if you want to hear what others have found interesting. Students can benefit from a variety of social media for sharing information with classmates and the rest of the world. The class will benefit from two social media: 1) Facebook: A Facebook page will be created for the course and the students can share interesting links (readings, articles, videos, figures, etc) with each other and comment on them; and 2) WaterSISWEB: Students are encouraged to use this platform to share information with classmates and other members of the water resources community worldwide. In particular, students are encouraged to post links under the “Planning and Management” category of WaterSISWEB. Students are required to report their online activity as instructed in class on a bi-weekly basis.

Grading
All work should be your own. This class adopts a “zero-tolerance” policy for any kind of academic dishonesty.

The grading system includes plus (+) and minus (-) grades. Grades will be based on student performance on Reading/Assignments, presentation, online activity, and term project. The following grading scale will be used:

<table>
<thead>
<tr>
<th>Element</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Discussion</td>
<td>35%</td>
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<tr>
<td>Assignments</td>
<td>20%</td>
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<tr>
<td>Online Activity</td>
<td>10%</td>
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<tr>
<td>Term Project</td>
<td>30%</td>
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<tr>
<td>Presentation</td>
<td>5%</td>
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</tbody>
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## Course Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>8 Water Resources Management Evolution over Time</td>
<td>Jan</td>
<td>10 Global Water Issues: Old and New Challenges</td>
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<tr>
<td>Jan</td>
<td>15 Water Resources Modeling &amp; Multi-purpose Management</td>
<td>Jan</td>
<td>17 Linear vs. Non-linear Management Paradigms</td>
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<tr>
<td>Jan</td>
<td>22 Common Pool Resource Management and Trade of the Commons</td>
<td>Jan</td>
<td>24 Water Governance and Management Institutions</td>
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<tr>
<td>Jan</td>
<td>29 Water Law</td>
<td>Jan</td>
<td>31 Water Policy</td>
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<tr>
<td>Feb</td>
<td>5 Water Resources Economics</td>
<td>Feb</td>
<td>7 Water Resources Economics</td>
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<tr>
<td>Feb</td>
<td>12 Ecological Economics</td>
<td>Feb</td>
<td>14 Water Resources Planning</td>
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<tr>
<td>Feb</td>
<td>19 International Water Conventions</td>
<td>Feb</td>
<td>21 Understanding Stakeholders’ Behaviors and Water Conflicts</td>
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<tr>
<td>Feb</td>
<td>26 Transboundary Water Conflicts</td>
<td>Feb</td>
<td>28 Cooperative and Non-cooperative Conflict Resolution</td>
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<tr>
<td>Mar</td>
<td>12 Shared Vision Planning, Collaborative Management, &amp; Social Learning</td>
<td>Mar</td>
<td>14 International Water Conventions</td>
</tr>
<tr>
<td>Mar</td>
<td>26 Water Resources Sustainability, Reliability, Resiliency</td>
<td>Mar</td>
<td>28 Principles of Sustainable Development</td>
</tr>
<tr>
<td>Apr</td>
<td>2 Florida Water History and Governance</td>
<td>Apr</td>
<td>4 Florida Water Issues</td>
</tr>
<tr>
<td>Apr</td>
<td>9 Florida Water Restoration Experiences and Challenges</td>
<td>Apr</td>
<td>11 Project Presentations &amp; Discussions</td>
</tr>
<tr>
<td>Apr</td>
<td>16 Project Presentations &amp; Discussions</td>
<td>Apr</td>
<td>18 Project Presentations &amp; Discussions</td>
</tr>
</tbody>
</table>
Suggested Reading List


29. Maryanne Grieg-Gran, and Joshua Bishop, “How Can Markets for Ecosystem Services Benefit the Poor?” World Resources Institute


