Lab Teaching Assistant:

General Course Expectations:

Due to the nature of online coursework, you are responsible for your own time management and understanding of the material. Weekly assignments are to be completed by the assigned due dates each week. **NO LATE WORK WILL BE ACCEPTED.** Once the D2L Drop Box has closed for a particular assignment, your work that is due that lab period will not be accepted for credit.

*Note: Since lab participation in the lab is crucial, and since this lab section is conducted online, your timely submission of assignments is how you earn your lab grade (25% of your total ESM 101 grade). If you miss deadlines for **three** assignments or more, you will not receive credit for the lab section of this course.

Site visits and fieldwork will be required for some weekly assignments and necessary for the project paper. Be prepared to walk and record your observations. Please prepare accordingly to your local climate and terrain (walking shoes, rain gear, etc.).

**Learning Objectives:**

- Address urban issues of nature and humans
- Understanding the connection between biodiversity and healthy ecosystems
- Understand that individual habitats are connected in a regional context
- Address hypotheses for processes that are limiting biodiversity
- Learn how to share results in a format that is useful to many stakeholders

**Grading:**

There will be eight (8) assignments throughout the quarter that will be posted to D2L. Each of these assignments will be worth ten (10) points. These assignments must be completed and submitted to the appropriate D2L drop box by the provided due date. There will also be four (4) journal assignments tied to workshops. These journal assignments will summarize and describe your activity and results from the field work carried out in the workshops. Please refer to the “Journal” attachment in the orientation module for a deeper explanation.

<table>
<thead>
<tr>
<th>Point Category</th>
<th>Points each</th>
<th>Total lab points</th>
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</thead>
<tbody>
<tr>
<td>Assignments</td>
<td>8@10 points</td>
<td>80</td>
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<tr>
<td>Paper</td>
<td>1@25 points</td>
<td>25</td>
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<tr>
<td>Journal Entries</td>
<td>4@10 points</td>
<td>40</td>
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<tr>
<td>Student Evaluation</td>
<td>1@10 points</td>
<td>10</td>
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<td><strong>Total</strong></td>
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<td><strong>155</strong></td>
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**Weekly Schedule:**

<table>
<thead>
<tr>
<th>Lab #/ Week of...</th>
<th>Topics/Content</th>
<th>Work to be done</th>
<th>Assignments Due...</th>
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</thead>
<tbody>
<tr>
<td>#   / Date</td>
<td>Title</td>
<td>Notes</td>
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| #2 / Oct 6-10 | Invasive and native plants                | *Research SPECIFIC AND LOCAL ecosystems (ie. disturbed, natural, restored, etc.)  
*Research and identify 10 LOCAL native plants and 10 LOCAL invasive plants  
*10 and 10 Plant list  
*Proposal for possible field site. October 10, 2014 |
| #3 / Oct 13-17 | Landscape and distribution powerpoint.    | *Discuss varying hypotheses  
*Hypothesis for project. October 17, 2014 |
| #4 / Oct 20-24 | Georeferenced observations, maps, GPS   | *Take geographic coordinates at different sites in field.  
*WORKSHOP #1-Grand Transect  
*Journal #1  
*Site details with map. Lat & Long, image and description. October 24, 2014 |
*WORKSHOP #2 – Soil Moisture  
*JOURNAL #2  
*Statement of hypothesis with methods for gathering data. Oct 31, 2014 |
| #6 / Nov 3 - 7 | Corridors powerpoint. Natural areas observations. | *Think of how ecosystem projects are connected. Why restore environments?  
*Statement of how corridor or edge effects affect your proposed study site. November 7, 2014 |
| #7 / Nov 10 - 14 | Restoration, environmental degradation. Outline of how to write a scientific paper. | *Visit a disturbed or recovering site.  
*WORKSHOP #3b-Data Collection  
*Provide possible restoration strategies for visited site. November 14, 2014 |
| #8 / Nov 17- 21 | Narratives, posting to Wiki and reviewing | *What information regarding the study site is available from the community? ie. historical records, surveys, etc.  
*WORKSHOP #3b-Share and analyze results.  
*Journal #3  
*Summarize and post raw files regarding study site. November 21, 2014 |
| / Nov 24 - 28 | Finalize project outline and solidify papers. | |
| #9 / Dec 1 - 5 | Stake holder inputs. | *Identify what community members, agencies or governments would be interested in your study.  
*WORKSHOP #4.  
*Journal #4.  
*Submit final paper December 5, 2014. |
| #11 / Dec 8 - 12 | NO LAB. FINALS WEEK FOR LECTURE. | |

*There will be no assignments due the week of November 24 (Thanksgiving Week) but this is a good time for you to ensure that you have everything you need, and to work on your final presentation and paper.*