BIOL/ESRM 331, Spring 2015
Landscape Plant Recognition
http://courses.washington.edu/esrm331/

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Office hours by appt. – Please contact us so we can meet you somewhere to view the plants you need help with

<table>
<thead>
<tr>
<th>Date</th>
<th>Subject</th>
<th>Location</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 31</td>
<td>Organization of class, nomenclature, morphology</td>
<td>Bagley 154</td>
<td>2:30</td>
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<tr>
<td>April 2</td>
<td>Field Day 1</td>
<td>Campus, near Drumheller Fountain</td>
<td>2:30</td>
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<tr>
<td>April 7</td>
<td><strong>Mid-term 1</strong> (Written - 10% of grade) and Field Day 2</td>
<td>Bagley 154, Campus after exam</td>
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<tr>
<td>April 9</td>
<td>Field Day 3 <strong>QUIZ</strong></td>
<td>Arboretum – Graham Visitor’s Center</td>
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<td>April 14</td>
<td>Field Day 4</td>
<td>Arboretum – Graham Visitor’s Center</td>
<td>2:50</td>
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<tr>
<td>April 16</td>
<td>Field day 5 <strong>QUIZ</strong></td>
<td>Center for Urban Horticulture-CUH</td>
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<td>April 21</td>
<td><strong>Mid-term 2</strong> (Plant Recognition – 10%)</td>
<td>CUH Greenhouse</td>
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<td>Field Day 6</td>
<td>Arboretum – Graham Visitor’s Center</td>
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<td>Field Day 7</td>
<td>Arboretum – Graham Visitor’s Center</td>
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<td>April 30</td>
<td>Field Day 8</td>
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<td>Field Day 9 <strong>QUIZ</strong></td>
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<td>May 7</td>
<td>Field Day 10</td>
<td>Arboretum – Gravel parking lot on Lake Washington Blvd</td>
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<td>May 12</td>
<td><strong>Mid-term 3</strong> (Plant Recognition – 10%)</td>
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<td>Date</td>
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<tr>
<td>May 14</td>
<td>Field Day 11</td>
<td>Arboretum – Graham Visitor’s Center</td>
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<tr>
<td>May 19</td>
<td>Field Day 12</td>
<td>Volunteer Park, near Art Museum</td>
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<td>May 21</td>
<td>Field Day 13</td>
<td>Arboretum - Gravel parking lot on Lake Washington Blvd</td>
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<td>May 26</td>
<td>Field Day 14</td>
<td>Arboretum – Graham Visitor’s Center</td>
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<td>May 28</td>
<td>Field Day 15</td>
<td>Campus, near Drumheller Fountain</td>
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<td>June 2</td>
<td>Field Day 16</td>
<td>Campus near Drumheller Fountain</td>
<td>2:30</td>
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<td>June 4</td>
<td>The Big Review</td>
<td>CUH Greenhouse</td>
<td>2:30</td>
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<td><strong>June 9</strong></td>
<td><strong>Final exam</strong> (Plant Recognition – 60%)</td>
<td>Campus, near Drumheller Fountain</td>
<td><strong>4:30 – 6:20</strong></td>
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**Class Structure**
On March 31st and April 7th, we will meet in Bagley 154. On April 21st, May 12th (plant recognition exams) and June 4th (the Big Review), we will be in the Douglas Greenhouse at the Center for Urban Horticulture. All other days will be field days, as noted. When on campus we will meet in front of Bagley, near Drummeller Fountain and Bagley Hall. On most Arboretum days, except where noted, we will meet at the courtyard on the south side of the Graham Visitor’s Center. At the Center for Urban Horticulture (April 16th), we will meet in the McVay (central) courtyard/Commons. We give you extra time (as noted) to get to these sites, but be there on time or you may have trouble finding us! See the course website for directions to each location.

**We will meet on all field days, rain or shine.** Come prepared for whatever weather is predicted. Even if it is sunny when you leave your house, it may be pouring rain by 3. On Arboretum days we strongly suggest that you wear waterproof shoes – we will be going out into some very muddy areas. These will not be the days you should wear high heeled shoes and fancy clothes!

We will have notes up on the website before class and you may want to print them off to follow along. You may also find it helpful to buy a write-in-the-rain notebook at the University Bookstore. Be sure to write in pencil, not ink, regardless of what paper you use. If you do not buy a special notebook, a clipboard covered in a plastic bag might be useful.

The Bookstore also has a range of magnifying glasses and field hand lenses. These are useful when trying to see small parts of flowers in the field, but are not required.

**Written Materials**
A daily plant list and plant descriptions will be posted to the website. They will provide you with a list of the plants to be learned each session as well as descriptions for each plant. You will probably want to have them with you to be sure that you have the spelling correct and to reduce the amount of notes you need to take while in the field. There are also photos of the plants available on the website. The daily plant list and descriptions will be posted a day in advance.

There are no comprehensive books that cover the class material, but you might want to buy a copy of the Sunset Western Garden Book. There is a 2012 edition out that is worth the approximately $30 that it costs. There are, however, plenty of copies of the older versions (which are still OK) available at used bookstores. Note that where scientific names vary, use the ones we give you.

If you are having trouble with terms, you might want to buy “Plant Identification Terminology: An Illustrated Glossary” by James and Melinda Harris. It will have good definitions of any terms we will use in this class. The 1st edition should be available in used book stores. A new 2nd edition is out, but the 1st edition is fine.

“Muenscher's Keys to Woody Plants” by Edward A. Cope will be useful to those of you that plan to go on and learn additional species.

**Tests**
You will have one “written” midterm, two plant identification midterms, and one plant identification final. The first midterm will be held in More 220, and the two other midterms will be at the Center for Urban Horticulture greenhouse. The final will be at the campus location. The first midterm will be on April 7th and will cover the principles of nomenclature and plant morphology terms – what was covered the first day.
The plant recognition midterms will be on April 21st and May 12th. You will be shown portions of branches that have diagnostic characters and you will need to be able to identify family, genus, and/or species.

Each midterm is worth 10% of your grade. Because we have to collect plants parts for these tests it is very difficult to give make-up plant recognition midterms. This will only be allowed for extreme situations. You should let us know in advance as soon as possible if you will be out of town for one.

Approximately every two weeks there will be a quiz (see the schedule). The quiz will focus on two plants you have learned and will ask you a variety of questions such as family, genus, species, and diagnostic traits for that taxon. You will be seeing the whole plant. You will be able to drop the lowest score, making only 4 of the quizzes count towards the grade. There will be no make-up quizzes - if you miss one, it is the one that will be dropped. If you miss two, you will get a zero for one of the four that count. The quizzes, all together, will count for 10% of your grade.

The final will be held on campus and you will be asked to give the family, genus, and species of a wide variety of plants. You will see the entire plants, with all the traits you should need to identify them. The final is worth 60% of your grade.

Spelling counts! Proper communication of species names requires that the names are correct and clear. **If the name is not correctly spelled but is phonetically correct, you will lose a point. If the name is not phonetically correct, you will lose the two points for each part of the name.** Write clearly! If we can't read your hand-writing we will count it as misspelled. NOTE: Those of you in landscape architecture, in particular, have been trained to write in all capital letters. In botanical nomenclature, the first letter of the genus is capitalized and the species is not. If you write in all caps, make sure it is clear that the first letter of the genus is larger than the other letters.

In summary:
Midterm 1 10%
Midterm 2 10%
Midterm 3 10%
Quizzes (best 4 out of 5) 10%
Final 60%

The final grade will be calculated using the equation T x 4/100, where T is the final total percentage. Let's say that your final percentage was 85% of the total points. You would earn a 3.4 in the class.

**Tips for learning the names of the plants**
Much of this class involves simple memorization and we will help you with ways to remember things where we can. Some people are better at this than others, but there are several things you can do to learn to recognize the plants and remember the names. A few are below. Check out the website for more ideas.
- Use the photos of the plants posted on the class web page
- Make flashcards using index cards with photos on one side, write the name down by hand
- Make power point shows with the photo on one slide, name and photo on next
- Learn what some of the Latin names mean - they will often describe what a plant looks like
- Get together with friends and go to the arboretum to review plants
- Visit the herbarium (see below) and drill yourself using specimens

This web page also has some great pictures: http://www.orst.edu/dept/ldplants/index.htm#cade
You may also do an image search on google.com - just type in the name of the species. Be careful though - only use the web pages that end in .edu, not .com. Other helpful web pages are posted on the class page.

Herbarium
We have most of the species you will study in the herbarium at the Center for Urban Horticulture. It is found just off the lobby in Merrill Hall at the CUH. While looking at a herbarium specimen can be very different from a live plant, it can be very useful for reminding yourself about key features. It allows you to look at all of the plants you have learned in a quick way and you can lay out all of the plants that confuse you, side by side. **We strongly encourage you to use the herbarium to review the plants you have learned in the class.**

DO NOT attempt to take plant parts from campus or Arboretum plants in order to make your own "herbarium." This is very damaging to sometimes rare and expensive plants! If you are caught doing this in the Arboretum, or other locations in the city, you could be fined!

The herbarium is open for several hours during the week. The hours change each day so look on our web page to see when the scheduled hours are. It is open until 8pm on Mondays, the day before the midterms and the final.

You can also arrange a time to use the specimens by contacting Sarah or by contacting the collections manager, Eve Rickenbaker, at (206) 685-2589 or hydeherb@uw.edu

Misc.
Academic Integrity
Plagiarism, cheating, and other misconduct are serious violations of your contract as a student. We expect that you will know and follow the University's policies on cheating and plagiarism. Any suspected cases of academic misconduct will be handled according to University regulations. More information, including definitions and examples, can be found at: http://depts.washington.edu/grading/issue1/honesty.htm

Disability Accommodations
To request academic accommodations due to a disability, please contact Disabled Student Services, 448 Schmitz, (206) 543-8924 (V/TTY). If you have a letter from Disabled Student Services indicating that you have a disability which requires academic accommodations, please present the letter to the instructor so we can discuss the accommodations needed for this class.