Instructor(s): Chris Graves  
275 Ellington PSB  
(865) 974-1568  
cgraves2@utk.edu  

Office Hours: By Appointment

Class Website: Online@UT - Blackboard (https://bblearn.utk.edu/). Note: You will be contacted from time to time via email. You must regularly check your UT email account.

Meeting Time & Place: 7:30 a.m. – 4:30 p.m. August 15 in Rm 226 Morgan Hall; August 16-19 in Rm 114 of Ellington PSB; August 22-25 in Rm 114; August 26 in Hollingsworth Auditorium.  
*Bring plenty of water, snacks, and a lunch each day

Course Credit Hours: 2 credits


Course Description: This course introduces students to the process of wildlife habitat evaluation, with special emphasis on plant identification, wildlife uses of plants, wildlife species habitat needs, and wildlife habitat evaluation methods.

Course Goal: To review previous related course material, emphasize the importance of plant identification and habitat quality, and prepare students for habitat management topics and practice.

Learning Objectives:
- Know and understand wildlife habitat concepts and terms.
- Practice qualitative and quantitative wildlife habitat evaluation techniques and methods.
- Review wildlife species habitat requirements at micro and landscape scales.
- Know, and recognize in the field, the major plant community types found in the Southeast.
- Learn the site requirements and wildlife uses of selected plant species.
- Identify selected field, forest and wetland plants, common crops used in wildlife food plots, and non-native invasive plants.
Grading Practices:

- Attendance 10%
- Participation/Attitude 5%
  - e.g. Always there, always participating safely with a positive attitude, respectful, helpful to those around you, effort is obvious = 100%; It goes down from there.
- Photo Library 15%
- Other Assignments Average 10%
- Plant ID: includes anatomy and Latin 25%
- Written Tests: soils, vegetation, wildlife 35%

  Total 100%

Grading Scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>92 - 100%</td>
</tr>
<tr>
<td>A-</td>
<td>90 - 91%</td>
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<tr>
<td>B+</td>
<td>88 - 89%</td>
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<tr>
<td>B</td>
<td>82 - 87%</td>
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<tr>
<td>B-</td>
<td>80 - 81%</td>
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<tr>
<td>C+</td>
<td>78 - 79%</td>
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<tr>
<td>C</td>
<td>70 - 77%</td>
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<tr>
<td>D</td>
<td>60 - 69%</td>
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<tr>
<td>F</td>
<td>0 - 59%</td>
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</tbody>
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Always be prepared to do fieldwork. *Items you should always have with you:*

- Instructional Materials as Listed Above
- Notebook Paper and Pencil(s)
- Field Clothes, including appropriate footwear. No open-toe shoes
- Raingear
- Water, Snacks, Lunch
- I recommend you keep this stuff in a backpack and readily available

Tentative Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Location/Activity</th>
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<tbody>
<tr>
<td>Monday, 15th</td>
<td>Rm 226 Morgan Hall</td>
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<tr>
<td>Tuesday, 16th</td>
<td>Meet at the vans</td>
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<tr>
<td>Wednesday, 17th</td>
<td>Meet at the vans</td>
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<tr>
<td>Thursday, 18th</td>
<td>Meet at the vans</td>
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<tr>
<td>Friday, 19th</td>
<td>Meet at the vans</td>
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<tr>
<td>Monday, 22nd</td>
<td>TBD</td>
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<tr>
<td>Tuesday, 23rd</td>
<td>TBD</td>
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<tr>
<td>Wednesday, 24th</td>
<td>TBD</td>
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<tr>
<td>Thursday, 25th</td>
<td>TBD</td>
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<tr>
<td>Friday, 26th</td>
<td>Hollingsworth Aud.</td>
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</tbody>
</table>

*THE INSTRUCTOR(s) RESERVES THE RIGHT TO REVISE, ALTER AND/OR AMEND THIS SYLLABUS, AS NECESSARY. STUDENTS WILL BE NOTIFIED OF ANY SUCH REVISIONS, ALTERATIONS AND/OR AMENDMENTS.*

For information regarding policies related to discrimination, scholastic dishonesty, cheating, plagiarism, and students with disabilities - refer to the online UT catalog at [http://catalog.utk.edu/](http://catalog.utk.edu/)
Assignment: Plant Photo Library  
WFS 324: Wildlife Habitat Evaluation  
UT Department of Forestry, Wildlife & Fisheries 

Each student should team up with one classmate to prepare a plant photo library. This photo library will contain images and information for at least 50 plant species reviewed in class. The majority of these plants should be forbs, grasses, sedges, and rushes. No more than 15 of the plants in the photo library should be woody vines, semiwoody plants, shrubs, and trees. For each plant in the library you will need to include the following information:

- Common name
- Scientific name
- Family
- Native, or Nonnative (Exotic)
- Description of plant parts (i.e., stem, shoots, leaves, fruit, etc.)
- Ecology
- Wildlife considerations

You will submit one photo library per team. Libraries should be prepared in Microsoft PowerPoint (PPT) with at least one PPT slide per plant. Ideally, your library will include multiple photos of the same plant in an attempt to fully document the features used in identification (e.g., foliage, stem, flowers, seedhead, fruit, environment, etc.). As a result, you may end up with multiple PPT slides per plant. To give people who view your photo library an idea of plant size and form, you should include a team member in at least one of the photographs of each species. This will also allow me to see both team members completed the assignment in the field (together, do NOT divide and conquer).

Your plant photo library should be submitted to me on a CD, flash drive, or other form of portable media by 5:00 PM August 25, 2016. Do NOT e-mail me the assignment. Late submissions are not accepted.

I have listed additional resources that you can use to identify and describe the plants in your collection. Many of the books listed are in the UT library collection.

Resources

- Plant Identification

Books:


Websites:

- Southeastern Flora- http://www.southeasternflora.com/
- USDA Plant Database- http://plants.usda.gov/java/
Books:

Websites:
- Center for Invasive Species and Ecosystem Health- http://invasive.org
- National Invasive Species Information Center (NISIC)- http://www.invasivespeciesinfo.gov/
- UT Institute for Biological Invasions- http://invasions.bio.utk.edu/Default.htm
  - There are many more reputable websites, but be sure to use .gov and/or .edu and/or bonafide conservation organization sites