Title: Introduction to Alaska’s Flora
Number: BIOL F195 F02
Credits: 1

Location: Online, UAF Blackboard

Meeting time: None. Two synchronous meetings will be coordinated with the class cohort.

Instructor: Stefanie M. Ickert-Bond

Office Location: 1962 Yukon Drive, UA Museum of the North, lower level, Fairbanks, AK 99775

Office hours: See Instructors and Office Hours Area on class blackboard site

Phone: 907-474-6277 (office), 907-3473043 (cell)
Email: smickertbond@alaska.edu

Course goals: The objective of this class is to introduce you to several aspects of Alaska’s unique flora. Class modules and hands-on exercises are designed to familiarize you with the identification, description, and morphology of our local flora. In addition, you will get familiar with dissection of flowers, using technical keys, seeing scientific (Latinized) names, and learn vocabulary that comes with describing and talking about plants, and curate images that you will take of the plants in your immediate surrounding.

Student learning outcomes: On completion of this class, you will be able to identify and describe several common plant families and species that are native and common to Interior Alaska and be more comfortable with floral dissection and taking photographs of flowering plants that will aid in their identification and classification.

Required text: None. All materials will be made available through Blackboard and the dedicated class website.
Laboratory Materials:

1) A laboratory kit that includes: plant dissecting kit, plant press
2) A smart phone or tablet, that is capable of taking photographs and can be fitted with a macrolens to take magnified images of flowers and dissections
3) Software: Google docs, Google presentations; iNaturalist, Thinglink.

Technical requirements for the course:

Students must have regular access to a computer and the Internet to access online materials in Blackboard. Students will be expected to download course material as well as upload assignments.

Please test your computer early that it will support the required software.

Instructional method:

The course materials are delivered entirely online. E-mail Communication will be extremely important for us. When I see your name on the class enrollment list in Blackboard, I will send you an e-mail at the e-mail address provided in Blackboard. It is very important that, for the duration of the class, you check for and receive all e-mail sent to your email address provided in Blackboard. I will only be using your official e-mail address for this class.

If you have a preferred e-mail address other than your official UA e-mail, it is your responsibility to put a forward on it.

Please put “BIOL195” in the subject line in all your e-mail messages to me.

Class Schedule:

Module 1 (week 1 ~ 3-4 hours)
- Introduction and overview of class.
- General plant morphology needed for describing and identifying plants.
- Introduction to using technical keys.
- Making plant voucher specimens using the provided plant press

Module 2 (week 1 ~ 3-4 hours)

Virtual field trip highlighting four important plant communities
1) Alpine tundra
2) Deciduous forest
3) Evergreen conifer forest
4) Riparian zone

- Introduction of plant families – I) heaths, blueberries (Ericaceae), II) mustards (Brassicaceae)
  Uses, major characteristics, dissections, videos

Module 3 (week 2 ~ 3-4 hours)

- Introduction of plant families – III) roses (Rosaceae),
  IV) legumes, peas (Fabaceae)
  Uses, major characteristics, dissections, videos
- Making plant observations using the iNaturalist app

Module 4 (week 2 ~ 3-4 hours)

- Introduction of plant families – V) carrots (Apiaceae),
  VI) sourdocks (Polygonaceae), VII) buttercups (Ranunculaceae)
  Uses, major characteristics, dissections, videos
- Curating and annotating your plant images in Thinglink
  https://www.thinglink.com/

Grading

Grades will be determined according to the following measures

<table>
<thead>
<tr>
<th>Activity</th>
<th>% of total grade</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>15 %</td>
<td></td>
</tr>
<tr>
<td>Projects</td>
<td>65 %</td>
<td>06/28/2018</td>
</tr>
<tr>
<td>Participation</td>
<td>20 %</td>
<td></td>
</tr>
</tbody>
</table>

Grades will be assigned as A 90-100 %, B 80-89 %, C 70-79 %, D 60-69 %, F 59 % or below.

Support Services: UAF has many services to help students. Do not feel bad about seeking help in your writing and presentations. Everything that I write (even this syllabus, believe it or not) is HEAVILY edited by at least two to five people before I present it to a journal, other archeologists, or members of the public. I encourage you to seek out help from the writing and computer services centers on campus.

Disabilities Services: If you have a disability as defined under the Americans with Disabilities Act (ADA), UAF ensures that students have equal rights, access to course materials and campus facilities, and academic opportunities as other non-disabled students. UAF’s Disability Services is set up to “ensure equal access to academic opportunities” (https://www.uaf.edu/disability/). I will work with any disabled student and Disability Services to ensure these rights are upheld throughout this course. UAF’s Disability Services are located in the Health and Safety Services Building and the Program Coordinator can be can be reached at 474-7043.