COURSE DESCRIPTION

This weekend workshop will introduce you to the symbiotic union of fungi and algae known as lichens. The course is designed for both beginners and those who are already familiar with lichens. Over the course of this workshop you will learn basic lichen identification, collection and curation, and natural history. We will use a combination of lectures, field-work, and in-laboratory identification in order to learn about the basic lichen biology of the area.

Instructor: Dr. Suzanne Joneson, suzanne.joneson@uwc.edu
Course Inquiries Contact: Dr. Gretchen Meyer, gmeyer@uwm.edu, 262-675-6844 for any questions related to this course.

Required Text: 1. Bring a copy of Keys to the Lichens of Minnesota by Cliff Wetmore, a user-friendly set of keys to lichen genera and species available on-line at https://conservancy.umn.edu/handle/11299/156243
2. as well as a copy of Common Lichens of Wisconsin by James P. Bennet available on-line at https://herbarium.wisc.edu/research/publications/

Useful materials to bring: Field clothing, a hand-lens if you have one (10X - 20X is good - some loaners available), small paper bags for collecting lichens (or newspaper for making packets), shoe-box for lichen collection, paper and pencil for taking notes.

Optional Materials to bring - if you have them: A hand-pruner or wood-chisel for scraping lichens off bark.
Activities | Assignments | Due-Date/Time
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**Week 1 - July 15th - 21st**
Complete Readings on-line | Introduce Yourself | July 20th, 11:59pm

**Week 2 - July 22nd - 28th**
Attend Field Session, July 27th - 28th | On-line quiz | July 25th, 11:59pm

**Week 3 - July 29th - August 4th**
Write up final paper | Final Paper | August 10th, 1:00pm

**Course Online Access** This class is taught partially online, so you must have access to a computer with internet access. You must login in to D2L (http://d2l.uwm.edu) to access course materials. Contact the help desk (help@uwm.edu or 414-229-4040 for help with D2L).

**Grading** Your grade in the class will be based on the following components. The weekend field session is required and you must attend both days of the field session to receive a grade in this course.

- **Quiz**: Based on the readings posted on D2L ................................................................. 10 points
- **Lichen Collection** (completed during the weekend field session) .......................... 50 points
- **Final paper** ........................................................................................................ 30 points
- **Participation** .......................................................................................................... 10 points

**Discussions** The discussion area on D2L allows you to share information with each other. There are three discussions set up for this class. "Introduce yourself" is required. This will help you get to know a little bit about each of your classmates before you meet in the weekend field session. "Carpooling" is for your convenience, so that those of you who want to can share rides to and from the Field Station during the weekend field session. "General help" is for any general questions about the class.

**Suggested References:** If you have any of the following books, please bring them.

- *Lichens of North America* by Brodo et al., 2001 (on-line and in bookstores)
  (available at https://herbarium.wisc.edu/research/publications/)
- *Lichens of the North Woods* by J. Walewski, 2007 (on-line and in bookstores)

**Meals and housing for field weekend**
Free housing is available at the Field Station if desired and meals are available for purchase. If you don't want to drive back and forth each day, you can use a bunkbed in a shared room at our farmhouse. You will need to bring a sleeping bag, pillow, and towels. Meals are available for purchase (optional). You can sign up for lunch on Friday and Saturday ($22.00), dinner Friday ($11.50), or breakfast on Saturday ($3.00). Please contact Cindy Boettcher at the Field Station (cboetchr@uwm.edu, 262-675-6844) for more information, or to sign up for meals or housing.