LRES 110: Introduction to Land Resources and Environmental Sciences

Fall Semester

MWF 10:00-10:50 AM
Leon Johnson Hall 346

Course objectives and structure:

This course is an introduction to the Department of Land Resources and Environmental Sciences (LRES) curriculum. It introduces students to unique land resource management topics and demonstrates how basic environmental and ecological sciences are applied in an interdisciplinary manner to solve problems. Each land resource management topic will be addressed by a multidisciplinary team of scientists from LRES. The course will focus on the basic science concepts that underlie each topic. Students will learn how objective, science-based information can be developed and applied in a team atmosphere to assess issues and offer solutions to problems. Each topic will be covered in six-seven class periods. In addition, the class will take a few field trips to experience, first hand, some of the issues and topics in environmental sciences and resource management. These will range from 1 hour to whole day trips.

Lead Instructor: Dr. Lisa Rew
727 Leon Johnson Hall
Office Hours: Wed (11 a.m. to Noon)
or by appointment
Contact info: Lisa using the Desire2Learn

email or lrew@montana.edu

Teaching Assistant: Ben Dorsey
7th floor Leon Johnson Hall,
Office Hours: Wed & Fri (11 a.m. to Noon)
or by appointment
Contact Info: Ben using the Desire2Learn
email or
ben@yellowstoneice.com

Questions? Problems? Contact:

For general questions contact Dr. Lisa Rew: (994-7966; lrew@montana.edu)

For help with assignments and course content, contact the teaching assistant: (994 4472; ben@yellowstoneice.com

In addition for specific questions on curse content, contact the section leader(s)

- **Section 1:** General Environmental Science—Dr. Lisa Rew **(**as above**)**
- **Section 2:** Environmental Biology—Dr. Tim McDermott (994-2190; timmcder@montana.edu) and Dr. Dave Ward (994-3401; umbdw@montana.edu)
- **Section 3:** Soil and Water Science—Dr. Brian McGlynn (994-7690; bmcglynnbmcglynn@montana.edu) and Dr. Lucy Marshall (994-5717; lmarshall@montana.edu)
- **Section 4:** Land Rehabilitation —Dr. Cathy Zabinski (994-4227; cathyz@montana.edu)
- **Section 5:** Land Resources Analysis and Management—Dr. Rick Lawrence (994-5409; rlawrence@montana.edu) and Dr. Cliff Montagne (994-5079; montagne@montana.edu)
- **Section 6:** Agroecology—Dr. Bruce Maxwell (994 5717; bmax@montana.edu) or Dr. Lisa Rew (as above)

Textbook: There is no assigned text book for this course. Readings will be assigned for each section and will be posted on the web and/or available as reserve readings in the library. Copies of powerpoint lectures will be made available where possible.

Consult the course web site for reading & update.

Expectations:

1. We expect that you will attend lectures and participate by asking questions and providing constructive commentary in lectures. Attendance at field trips and discussions sessions is very important and will be graded. *If you are ill or have an emergency, please let Dr. Lisa Rew or the Teaching Assistant (TA) know of your circumstances as soon as possible.*
2. Most assignments are short-medium length written answers and require you to find, critically evaluate, synthesize, and present information. Some assignments will involve data manipulation and analysis by computer. We assume that you are competent in algebra at the college level. All writing assignments should be word processed.
3. *Plagarism is not tolerated in this class*, plagiarism includes direct copies from websites as well as books and journals. If a student is caught plagiarizing it can lead to expulsion from the class and sometimes college.
4. We expect that you will let the faculty or TA know if you are having specific problems associated with attending or participating in the course.

E-mail and internet access: We require that you have internet access and use email to communicate with the instructors and TA and that you check the course web site for updates on readings and assignments.

Hints for success: Use e-mail to contact instructors. Come to office hours. Make appointments to see professors and the TA - Ben. Ben should be the ***first*** person you contact if you are confused. Don't wait too long if you do feel confused!

Grading: Your grade in the course will be based on your performance on a set of assignments, field trips and discussion/attendance, mid and final exams. You will have an opportunity to earn approximately 500 points towards your final grade. There are six sections to the course and each has approximately 50 possible points. Field trip attendance is worth approximately 50 points. The mid and final exams are worth approximately 150 combined and cover broad concepts from the course. Everyone has to hand in a final exam to receive an overall course grade.

Turning in assignments late is not acceptable.

Preliminary Class Schedule (You MUST check the web site for modifications and additions)
Readings are listed with the lecture they pertain to. Read the assignment BEFORE lecture.