GreenHouse Spring 2015 Seminars

1) **From Seed to Ground: Planning and Planting the GreenHouse Garden:**
   Enviro St 402 – section 008 (1 credit)
   
   *Jack Kloppenburg, Professor Emeritus, Community and Environmental Sociology* | jrkloppe@wisc.edu
   *Tom Bryan, Graduate Student in Environmental Studies and GreenHouse Intern* | tbryan@wisc.edu

   **TIME:** Mondays 4:00 - 5:30 pm in the 4th floor Leopold Greenhouse

   Learn to grow for food yourself and for GreenHouse! We'll start by perusing seed catalogs and introducing you to vegetable species and varieties. We will then plan what to plant where and when in the GreenHouse garden. When our seed order arrives, we'll show you how to prepare seed flats for planting. We'll take care of our growing seedlings in a greenhouse, and transplant them into larger containers when necessary. When the weather warms, we'll plant the seedlings in the GreenHouse garden, and direct sow other crops. We'll be eating salads from our own garden by the time classes end! If some of you seriously dig this stuff and are staying in Madison over the summer, there will be an opportunity to do an internship caring for the garden over the summer. Get your thumbs green(er)!

2) **Responses to Hunger and Malnutrition Issues in Wisconsin: Lessons from First and Second-Hand Experiences**
   Enviro St 402 – section 009 (1 credit)
   
   *Brad Barham, GreenHouse Faculty Director, and invited guest lecturers* | barham@mailplus.wisc.edu

   **TIME:** Tuesdays 4:00pm – various pm in Leopold Classroom and around the community.

   This course will meet 4-5 times for 2-5 hours, combining some in-depth discussions with leaders working on these issues with some first-hand experiences in the community working at food pantries, homeless shelters, and other places addressing food and malnutrition. GreenHouse students may take this 1 credit seminar as a stand alone course, however it is meant to combine with lecture course AAE, Nut Sci, Agronomy, and CALS InterDisc 350, also taught by professor Barham.

3) **Introduction to Restoration Ecology in the Lakeshore Nature Preserve**
   Enviro St 402 – section 010 (1 credit)
   
   *Adam Gundlach, Lakeshore Nature Preserve Project Coordinator* | agundlach@fpm.wisc.edu

   **TIME:** Wednesdays 2:30-3:45pm in Leopold Classroom/in the Preserve. Two weekend field trips.

   Ecology is the study of interactions between organisms and their environment. In this seminar, we'll delve into the basic concepts that form the field of restoration ecology, explore hands-on applications as we work in the Lakeshore Nature Preserve, visit sites in the Madison area in various stages of restoration, and contemplate what exactly it is we are trying to restore. Be ready to be outside and to learn while doing!
GreenHouse Spring 2014 Seminars, continued...

4) **Sustainability in a Globalized World**
   Enviro St 402 – section 011 (1 - 2 credits, see below)
   
   *Alan Turnquist, GreenHouse Program Coordinator, and invited guest lecturers | altturnquist@wisc.edu*

   **TIME:** Wednesdays 4:00-5:15pm in Leopold Classroom + trip to Nicaragua, 5/17 – 5/27

   Ever wonder about how our consumption choices here affect people and environments in the country that produced the goods we use? Or, perhaps, about why improving livelihoods in developing countries is such a puzzle? How is global climate change an environmental justice issue? How does society address these global challenges? This course will challenge students to read, write, and think about these global-scale sustainability questions. Content will focus on Latin America, and 10-12 students will get the opportunity to travel to Nicaragua after finals in the spring. The classroom component will be 1 credit, and the study abroad component will be a separate 1 credit component. Students may take the classroom component and chose not to travel, but all students who do the study abroad component MUST satisfy the classroom requirements. Spanish language helps, but is not required. **Students will pay an estimated course fee of $1,200 for the study abroad** (covers almost everything, including flights). Financial support may be available.

   Please contact Alan by December Finals if you are considering taking this course.

5) **Introduction to Phenology in the Lakeshore Nature Preserve**
   Enviro St 402 – section 012 (1 credit)
   
   *Emily iehl, Graduate Student in Forest and Wildlife Ecology | iehl@wisc.edu*
   
   *Stan Temple, Professor Emeritus in Forest and Wildlife Ecology | satemple@wisc.edu*
   
   *Curt Meine, Senior Fellow, Aldo Leopold Foundation | curtmeine@gmail.com*

   **TIME:** Thursday’s 3:00-4:15pm in Leopold Classroom and various times in the Preserve

   This seminar will introduce students to phenology, or the study of the natural cycles of ecosystems. In addition to fostering an intimate knowledge of the species and interactions that make ecosystems tick, phenological records now prove to be some of the most compelling evidence for climate change. Students will spend time in Madison’s historic Lakeshore Nature Preserve learning to identify different species and events of phenological interest, including the thaw of Lake Mendota, the arrival of neotropical migrants to the Preserve, and bloom dates of local plant species.