

**SYLLABUS**  
**FNR 30200 Global Sustainability Issues (Sem. 2, 2 credits)**

**Instructor:** Eva Haviarova, Associate Professor  
Forest Products Bldg., Room 111A  
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**Office hours:** by appointment

**Class Time:** By agreement with instructor:

*Option A:*

Monday and Wednesday      2:30 pm – 3:20 pm    FPRD 110

**Course Description**

This course explores global sustainability issues in natural resources with emphasis on forestry, wood products manufacturing, conservation, water management, energy and their impact on the targeted geographic location (such as Central America, Eastern Europe, China, India, etc.) and the rest of the world. The purpose of this course is to present students, regardless of their disciplinary background, with an overview of the interdisciplinary aspects of sustainable natural resource management. This **colloquium course** will examine global sustainable natural resources and related issues (including population, poverty, pollution, climate change, deforestation, invasive species, urbanization, habitat loss, cultural traditions, water management, energy, education, technology, and international collaboration).

The course also prepares students for a study abroad experience - **Global Sustainability Practicum (SA 21257/ FNR 49800, 1 credit)**. Although the course is recommended, it is not a prerequisite for the faculty-led field trip to targeted location (Central America - Costa Rica or Eastern Europe - Slovakia and Czech Republic) scheduled during spring break where students will have the opportunity to see firsthand in practice the theoretical aspects developed in **FNR 30200**.

**Course objectives**

Upon completion of this course, students will be able to:

- Appraise the impact of natural resources in a developing and developed economies;
- Understand the most important factors that threaten natural resources in a developing and developed countries;
- Understand how developments in natural resources in foreign country relate to similar developments in Indiana and the United States.
- Comprehend the complexity of global natural resource issues and the role of sustainable natural resource management in sustainable development.

Students will participate in weekly discussions and will develop assigned presentations and papers where they will effectively integrate the concepts and principles presented throughout the course.

### **Evaluation of Student Performance**

- 1) Submit three well-written, 2 page papers on assigned topics;
- 2) Present 15 – 20 slides presentation on assigned research topics;
- 3) Prepare well-written term paper (12 – 15 pages, double-spaced, 12 point font);

The content of these papers and presentations should demonstrate integration of concepts and principles from readings, lectures and in class discussions.

All assignment expectations along with specific requirement details will be provided in handouts. The grading will be broken down as follows:

<b>Item</b>	<b>Percentage</b>
Attendance to lectures	10%
Short papers	15%
Student presentation	30%
Student term paper	30%
Students participation in discussions	15%

### **Grading Structure**

A: 90 – 100 %; B: 80 – 89%; C: 70 – 79%; D: 60 – 69%; F: below 60%.

### **Course Content**

Week 1: Introduction (instructor and students); Overview of environmental, economic, and social aspects of sustainability and global natural resource management.

Week 2: Environ. aspects of Global Sustainable Natural Res. management. (Paper #1)

Week 3: Economic aspects of GSNR management. (Paper #2)

Week 4: Social and cultural aspects of GSNR management. (Paper #3)

Week 5: GSNR issues – population and poverty.

Week 6: GSNR issues – pollution and climate change.

Week 7: GSNR issues – poverty and food supply.

Week 8: GSNR issues – deforestation and urbanization.

Week 9: GSNR issues – habitat loss and paying for environmental services.

Week 10: GSNR issues – water management and energy.

Week 11: GSNR issues – education and technology.

Week 12: GSNR issues – address complex natural resource issues and international collaboration.

Week 13: Synthesis of all concepts, principles, and issues (in class presentations and discussions).

Week 14: Synthesis of all concepts, principles, and issues (in class presentations and discussions).

Week 15: Synthesis of all concepts, principles, and issues (in class presentations and discussions).

(\*Instructor reserves the right to change covered material.)

### **Learning Resources**

Most materials will be provided electronically through the Purdue University “Blackboard” system. In addition to lectures and discussions, course assignments include weekly readings posted on Blackboard, ten weekly discussion topic conversations, three short (2 – 3 page) weekly papers, research presentations that reflect critical thinking about the sustainability topic the student will select. All assignments are designed to help students develop a holistic approach to thinking about sustainable natural resource management. In addition, the student will write a term paper that integrates all concepts presented during the course, and applies them to the analysis of a natural resource issue.

### **Weekly Discussions**

*Active participation is very important in this course!* Strong participation in weekly discussion will significantly enhance student learning. Each week’s discussion is worth 1.5% of grade, (15% total) and should be reflections on the week’s lecture and readings in response to the guiding discussion questions. Personal experiences related to the discussion topic are encouraged.

**Exams** There are no exams in this course.

### **Class attendance**

It is the student’s responsibility to know what was covered in class during any absence (notes, handouts and homework). Contact instructor if you anticipate extended absence.

### **Academic integrity**

Students are expected to be honest and ethical in their academic work. Intentional acts of academic dishonesty such as cheating or plagiarism may be penalized by imposing an “F” grade in the course.

### **Plagiarism**

You are expected to submit your own work in all your assignments, and to clearly give credit to the work of others when you use it.

What is Plagiarism? - The council of Writing Program Administrators (CWPA) states that plagiarism “occurs when a writer deliberately uses someone else’s language, ideas, or other original (not common knowledge) material without acknowledging its source”. Thus, whenever a person chooses to repeat the exact words written by another author, that person must mark them with quotation marks (“ ”) and provide a citation to the original source. Two excellent sources of additional guidance are:

1. Michael Harvey, *The Nuts and Bolts of College Writing* (Hackett Publishing Co.)
2. Gordon Harvey, *Writing with Sources: A Guide for Students* (Hackett Publishing )

### **Term Paper and Classroom Presentation**

A list of research topics will be provided from which each student will select one for a research paper. Students may also suggest a topic in which they are personally interested. This term paper is expected to be of very high quality. The research paper will provide the basis for a 20-minute classroom presentation.

### **Best Practices in the Case of Campus Emergency**

Emergencies due to weather or other circumstances may necessitate a change in the course. Mass communication on email or text messaging will be developed to alert students of cancellation of class or assignments. Information help is available at:

<http://www.itap.purdue.edu/ilt/faculty/>

Please sign up for emergency text alerts. Text message sign up procedures can be found at: <http://www.purdue.edu/securepurdue/>

Updates and emergency information will be posted also on Purdue’s home page:

<http://www.purdue.edu/>

Emergency Procedures Guide (EPG) can be viewed at:

[https://www.purdue.edu/emergency\\_preparedness/flipchart/index.htm](https://www.purdue.edu/emergency_preparedness/flipchart/index.htm)

The Emergency Preparedness website is at:

[http://www.purdue.edu/emergency\\_preparedness/](http://www.purdue.edu/emergency_preparedness/)

Specific building information is found in the Building Emergency Plan (BEP). The BEP is normally maintained by the Building Deputy (FPRD Bldg. Betty Barlow - 494 3615.

“Shelter in place” means that student should not leave the building when the outdoor sirens are sounded. Moreover, if the building fire alarms are activated, everyone must evacuate the building and should proceed to their emergency assembly area as specified in the BEP. The FPRD BEP can be seen at:

<https://ag.purdue.edu/fnr/Documents/property-pdfs/BEPFPRD.pdf>

**In this course, each voice in the classroom has something of value to contribute. Please take care to respect the different experiences, beliefs and values expressed by students and staff involved in this course. We support Purdue's commitment to diversity, and welcome individuals of all ages, backgrounds, citizenships, disability, sex, education, ethnicities, family statuses, genders, gender identities, geographical locations, languages, military experience, political views, races, religions, sexual orientations, socioeconomic statuses, and work experiences.**