

## **Fall 2017 HORT 484 Sustainable Landscape Management "Subject to Change"**

Instructor Dr. Shelby Henning  
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Email: s-henning@wiu.edu Office Hours: MW 11:00-11:50,  
T 12:00-12:50, Th 12:00-1:00  
Class Time: Mon & Wed 2:00-3:15; Knoblauch 226

Required Text: none. However I recommend Sustainable Landscape Management, Thomas W. Cook and Ann Marie Vanderzanden, John Wiley and Sons, 2011

Lab Fee: \$10 due the end of the second week (Aug 30).

**Course Objectives:** At the completion of this course, the student will be able to;

1. Recognize and practice best landscape management practices
2. Understand the function and be able to design stormwater retention technologies
3. Define sustainable
4. Understand and explain the significance of the Sustainable Sites Initiative
5. Understand and practice sustainable soil management practices
6. Discuss and design sustainable technologies such as natural swimming pools, green roofs, living walls, biofilters
7. Make informed decisions on energy, chemical and water use in the landscape
8. Make informed decisions regarding sustainable materials for hardscaping
9. Conduct a sustainability audit of the landscape
10. Effectively communicate issues in sustainability through the use of blog posts and videos

**Attendance:** ATTENDANCE IS A MUST!!!!!!! We are professionals! Students must be prepared to interact, analyze, and discuss topics relating to course assignments.

Absenteeism will impede your success on assessments and course assignments. Professional dress is a must every time you present a lesson plan.

Late assignments will be deducted 5 points a day starting at the end of the class period for which it was due. Assignments will not be hand written unless instructed otherwise! Assignments will be written using 12 point font and 1" margins. Spelling and grammar are critical.

Please turn off or silence cellular phones and no texting during class time or the instructor may ask for it to be returned to the student after the class period!  
Student Rights & Responsibilities: [www.wiu.edu/provost/students/](http://www.wiu.edu/provost/students/)

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**Disruptive Student Behavior:** <http://www.wiu.edu/vpas/policies/disrupst.php>

**ADA Compliance:**

“In accordance with University policy and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. For the instructor to provide the proper accommodation(s) you must obtain documentation of the need for an accommodation through Disability Resource Center (DRC) and provide it to the instructor. It is imperative that you take the initiative to bring such needs to the instructor's attention, as he/she is not legally permitted to inquire about such particular needs of students. Students who may require special assistance in emergency evacuations (i.e. fire, tornado, etc.) should contact the instructor as to the most appropriate procedures to follow in such an emergency. Contact Disability Resource Center (DRC) at 298-2512 for additional services.”

**Academic Dishonesty:** <http://www.wiu.edu/policies/acintegrity.php>

Any violation of the Academic Dishonesty Policy in Student Handbook will result in an automatic failure in the course. Plagiarism and cheating are areas of concern for this course. This course is designed to enhance your writing and presentation skills within your academic area, not the ability to copy other's thoughts and ideas.

**Absences:** If at any time you have a family emergency, funeral, or just not feeling well, please use the OARS system to report your absence ([www.wiu.edu/oars](http://www.wiu.edu/oars)). I will need the email generated from this system prior to class and not after. If I receive the email after class has ended then the late grade policies come into effect.

**Attention Education Majors:**

The changes within the state teaching license require all education majors to receive a grade of a "C" or better in this course in order to meet these new requirements. With the university +/- grading system, receiving a "C-" or below will require you to retake this course or find a substitute course to meet School of Agriculture graduation requirements.

**Class Structure**

This class will have a mix of lectures, guest speakers and field trips to local sustainable landscapes. All students will participate in the design and installation of a raingarden for the WIU Ag greenhouse.

Each student will also be required to produce a YouTube video explaining and demonstrating knowledge of a sustainable technology or sustainable landscape management practice. Each student will also be responsible for a term paper and blog post discussing issues in sustainability in the Green Industry. The blog post will be a synopsis of the term paper. These posts will be assigned to each student, who will choose their own topics to discuss. The paper/posts will be turned in to the

instructor for review, revised by the student and blogs posted on a WIU Horticulture blog. Both the information in the blog and youtube assignment will be presented to the class at the end of the semester for a grade.

### **Hort 484 Lecture Schedule “subject to change” Fall 2017**

#### **Date Lecture/Assignment**

- 8/21 Class intro, syllabus
  
- 8/23 History of sustainability in the landscape
  
- 8/28 Sustainability in the landscape industry, the Sustainable Sites Initiative. Landscape design, sustainability in the plantscape, ecosystem services; Read online materials for discussion
  
- 8/30 Raingarden I. Planning session. Read posted online articles before class
  
- 9/4 LABOR DAY NO CLASS
  
- 9/6 CSA's and organic gardening  
Prepare a question for John Curtis, Barefoot Gardens
  
- 9/11 Solar energy and sustainability
  
- 9/13 Wind and Energy conservation
  
- 9/18 Sustainable landscape construction and materials
  
- 9/20 Raingarden II
  
- 9/25 Evaluating existing landscapes, conducting an audit
  
- 9/27 Sustainable landscape management practices; Exam 1
  
- 10/2 Water in the landscape: water conservation
  
- 10/9 Water in the landscape: managing the excess
  
- 10/11 Sustainable landscape materials
  
- 10/16 Greenroofs, NSP and living walls
  
- 10/19 Campus Sustainability Day
  
- 10/21 WIU Green roof visit

10/23 Raingarden III

10/25 Managing nutrient and chemical loads in water: aquaculture, constructed wetlands

10/30 Sustainable soils for landscapes. Exam 2

11/1 Fertilization

11/6 IPM/sustainable pest management

11/8 Lawns and turfgrass in sustainable landscapes

11/13 Wildlife habitats

11/15 Perma/polyculture

11/20 Raingarden IV

11/23 Landscape waste and sustainability

11/27 The sun and sustainability

11/29 Exam 3

12/4 Presentations

12/6 Presentations

After all lectures, read the online material in preparation for next lecture and discussion

**Grading/points/total points**

3 Exams 100 pts each	300
9 Assignments (lecture) 10 pts each	90
Barefoot Garden assignment 25	25
Greenroof assignment 25	25
Landscape Audit and presentation	100
Issues in sustainability paper/blog/youtube	150
Raingarden proposal	100
Participation	100

TOTAL 840

**Grading Scale:** Grades are assigned on the +/- system as follows:

A	= 93% and above	C	= 73-76%
A -	= 90-92%	C-	= 70-72%
B+	= 87-89%	D+	= 67-69%
B	= 83-86%	D	= 63-66%
B-	= 80-82%	D-	= 60-62%
C+	= 77-79%	F	= 59% and below

August 10, 2017