

Sustainability Project Design (SUS 3999)

Syllabus - Florida Institute of Technology

Course Description:

Basic components of sustainable project management (= GPM, green project management) are developed to: a) build skills in project management and quality control, and b) support the initial design of an individual or team sustainability project for majors and minors in the Florida Tech sustainability program. This 1 credit course prepares students for the sustainability capstone project in SUS 4000. The project planning can be on or off the F.I.T. campus. Students evaluate multiple alternatives and develop product goals, objectives, timelines, cost-estimates, and long-term operations plan. Guest lectures by experts in GPM will be included.

Class Information

Pre-requisite/Co-requisite: SUS 1500 Intro to Sustainability

Credit hours: 1 cr

Days/Time: Fall semester, Wed 3-3:50 PM

Classroom: Shepard Bldg., Rm. 108

Instructor: [Dr. K. Lindeman](#), Professor, Dept. of Education and Interdisciplinary Studies

Office: Shepard Bldg., Rm. 103

Office Hours: **Tue: 2:00-3:30; Wed: 11:00-2:00 and 4:00-5:00; Thu: 2:00-3:30.** Other times arranged by appointment: lindeman@fit.edu

Canvas will be the course web portal for registered students.

Textbook and Additional Reading Materials

There is no assigned textbook, we will use a variety of readings from resources that include:

- Maltzman and D. Shirley. 2011. *Green Project Management*. CRC Press. 272 pp.
- Silvius, R. et al. 2012. *Sustainability in Project Management (Advances in Project Management)*. Gower Publishers. 164 pp.
- Technical journal articles, government and NGO reports, and significant current articles from print media.

These readings and assigned chapters from the books will be posted on Canvas.

Student Learning Outcomes include

- Understanding of the theory and practice of project design and planning.
- Experience with scoping of alternatives and the building of sustainability best practices into project design.
- Experience with the building of timelines and cost-estimates for projects.
- Understanding the roles of internal and external communication in successful project development, funding and implementation.

Classroom Protocol

- Students enter class prepared to demonstrate knowledge of the latest assigned reading.
- In-class participation is expected and important. All students should measurably contribute to classroom discussions.
- Policies regarding use of electronics in class will be discussed during the first week.
- Please do not bring food into class.
- On-time attendance at each class meeting is expected - **repetitive absences or**

tardies will indirectly and directly affect a course grade. Please consult with the instructor regarding partial or complete class absences.

- Please see F.I.T.'s policy statement on plagiarism, posted on Canvas.
- Students can sharpen your writing skills with this tutorial:

http://www.bristol.ac.uk/arts/exercises/grammar/grammar_tutorial/index.htm

Grading:

20% Homework

20% Project Updates

25% Final Project Plan – Design of capstone sustainability project to implement in ISC4000.

35% Midterm & Final

- Final relative percentages may vary slightly based on how the semester develops.

What is Title IX?

Title IX of the Educational Amendments Act of 1972 is the federal law prohibiting discrimination based on sex under any education program and/or activity operated by an institution receiving and/or benefiting from federal financial assistance. Behaviors that can be considered “sexual discrimination” include sexual assault, sexual harassment, stalking, relationship abuse (dating violence and domestic violence), sexual misconduct, and gender discrimination. You are encouraged to report these behaviors. **Reporting:** Florida Tech can better support students in trouble if we know about what is happening. Reporting also helps us to identify patterns that might arise – for example, if more than one complainant reports having been assaulted or harassed by the same individual.

Florida Tech is committed to providing a safe and positive learning experience. To report a violation of sexual misconduct or gender discrimination, please contact Security at 321-674-8111. * **Please note that as your professor, I am required to report any incidences to Security or to the Title IX Coordinator (321-674-8700).** Confidential support for students is available by contacting the Student Counseling Center at 321-674-8050.