

Solid Waste Systems Design ENV 4353
Advanced Solid Waste Systems Design ENV 6932

1. **Description:** Capstone design experience focused on solid waste management issues.
– 3 credit hours
2. **Pre-requisites:** ENV4351/5306
3. **Course Objectives:** Students will complete an integrated, team-oriented design experience related to solid waste management.
4. Course will provide the following skills in line with the ABET program requirements of the department
 - An ability to communicate effectively.
 - The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context
 - Knowledge of contemporary issues.
 - An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
 - Knowledge of fundamental concepts of waste minimization and pollution prevention.
 - An understanding of the roles and responsibilities of public institutions and private organizations pertaining to environmental engineering.
5. **Instructor:** Dr. Timothy Townsend
 - a. Office location: NEB 333
 - b. Telephone: 352 392 0846
 - c. E-mail address: ttown@ufl.edu
 - d. Web site: www.ees.ufl.edu/homepp/townsend
 - e. Office hours: M,W 2nd and 3rd periods; M 7th period
6. **Teaching Assistant:** Wesley Oehmig
 - a. Office location: NEB 332
 - b. Telephone 352 392 7735
 - c. E-mail address woehmig@ufl.edu
 - d. Office hours: To be announced
7. **Meeting Times:** Wednesdays 8th period
8. **Class/laboratory Schedule:** Mondays and Wednesdays 9th and 10th periods
9. **Meeting Location** NEB 386
10. **Material and Supply Fees:** none
11. **Textbooks and Software Required**

Required Class Texts:

- Required class materials will be posted on the e-learning site.

12. **Recommended Reading:** Made available throughout the semester on the class website.
13. **Course Outline/schedule:** Available on the class website.
14. **Attendance and Expectations:** attendance required

15. Grading Information:

Weighting:

- Class participation = 20%
- Draft project reports = 20%
- Final project report = 50%
- Project presentation = 10% Total

Grading Scale:

95% - 100%	A
90% - 94.9%	A-
87% - 89.9%	B+
84% - 86.9%	B
80% - 83.9%	B-
77% - 79.9%	C+
74% - 76.9%	C
70% - 73.9%	C-
67% - 69.9%	D+
64% - 66.9%	D
60% - 63.9%	D-
<60%	E

“A C- will not be a qualifying grade for critical tracking courses. In order to graduate, students must have an overall GPA and an upper-division GPA of 2.0 or better (C or better). Note: a C- average is equivalent to a GPA of 1.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit: <http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>”

“Undergraduate students, in order to graduate, must have an overall GPA and an upper-division GPA of 2.0 or better (C or better). Note: a C- average is equivalent to a GPA of 1.67, and therefore, it does not satisfy this graduation requirement. Graduate students, in order to graduate, must have an overall GPA of 3.0 or better (B or better). Note: a B- average is equivalent to a GPA of 2.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit: <http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>”

16. Make-up Exam Policy: Make-up exams may be allowed with prior instructor approval.

17. Homework Assignment Guidelines:

- Instructions will be posted on the course e-Learning (Sakai) website
- Submit all assignments to the TA on or before the due date through the eLearning site (if all else fails, email the TA at woehmig@ufl.edu)
- No assignments will be accepted during class.
- Late submission will be penalized 10% for each day beyond due date.

- Assignments should be prepared in a professional manner. All work (calculations, assumptions, formula(s) used etc.) must be referenced appropriately.
- A summary of all answers must be provided on a cover page attached to your homework.

18. **Honesty Policy** – All students admitted to the University of Florida have signed a statement of academic honesty committing themselves to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action. This statement is a reminder to uphold your obligation as a UF student and to be honest in all work submitted and exams taken in this course and all others.

19. **Accommodation for Students with Disabilities** – Students Requesting classroom accommodation must first register with the Dean of Students Office. That office will provide the student with documentation that he/she must provide to the course instructor when requesting accommodation.

UF Counseling Services –Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include: UF Counseling & Wellness Center, 3190 Radio Rd, 392-1575, psychological and psychiatric services. Career Resource Center, Reitz Union, 392-1601, career and job search services.

20. **Software Use** – All faculty, staff and student of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.