

**CIS 398**  
**Tutorial: Environmental Leadership**

**Dr. David Martin**  
**Spring 2010**

Class Meeting: 10:30-11:20 MWF in Chambers 2196  
Office Hours: TTh 1:30-3:30 (Please feel free to use Outlook Calendar to make an appointment.)  
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**Course objective:** Consistent with the College's Statement of Purpose, this academic exercise will help students learn how to take ownership of and responsibility for projects that advance the Davidson community's (broadly speaking) environmental sustainability. A central organizing theme of this exercise is for students to learn by identifying and bringing to fruition a project while a second theme is for the students to learn from each other's projects. The students will pass on environmental leadership skills, environmental awareness, and environmental infrastructure to the Davidson community.

**Grading and timetable:**

Overall Discussion .....30%  
Assignment 1 (Week 3), Project Proposal .....15%  
Assignment 2 (Week 7), First Evaluation.....10%  
Assignment 3 (Week 11), Second Evaluation .....15%  
Assignment 4 (Weeks 15/16), Wrap-up Assignment .....30%

Week beginning Monday:

1. January 11, Ungraded assignment to discuss: #1, #2, and #3.
  - #1. Intro Presentation/Paper topic
  - #2. Preliminary idea for final project
  - #3. What do you want out of this course/goal setting

2. January 18

Most of time spent developing project proposal. In-class meetings to assess what readings/people would be useful as common experiences and bouncing proposal ideas within group.

3. January 25

**Project Proposal:** Individually or as a small group, bring a written project proposal to class and present it to the class. Identify (a) what your goals are and why you're trying to achieve them, (b) a timeline for your project, (c) how you will publicize your project to the general Davidson Community, (d) how you will assess whether or not your project will advance sustainability, (e) how you will assess whether your project is successful or not, (f) what you need to learn for you to be successful in attempting this project, and (g) how to evaluate your learning through your work on this project. For example, (a) my project is to develop a more environmentally friendly way of supporting lap swimming because I want to swim guilt free, (b) I will investigate the energy inputs, water inputs, and chemical inputs over the course of a calendar year by spring break, (c) I use both the carbon and water footprint methodologies to assess current pool management practice as well as alternatives, (d) success would be defined as being able to lay out a clear pool management plan, (e) beyond the pool management options I need to learn a lot about the science of the manufacturing, distribution, and application of pool chemicals, and (f) I think that keeping

some type of log/journal/diary about “things” as I go forward and then writing an essay about my learning might be the best thing to do.

4. February 1

Discussing readings/guest speakers?/field trips/working on and discussing project

5. February 8

Discussing readings/guest speakers?/field trips/working on and discussing project

6. February 15

Discussing readings/guest speakers?/field trips/working on and discussing project

7. February 22

**First Evaluation:** This paper will have three components: an evaluation of your progress through the checklist of things you need to do to complete your progress, some reflection on your work to date, and the lessons that you’ve learned to this point.

March 1 – Spring Break

8. March 8

More time spent on project/group discussions of projects/some discussion of readings

9. March 15

More time spent on project/group discussions of projects/some discussion of readings

10. March 22

More time spent on project/group discussions of projects/some discussion of readings

11. March 29 (Vandana Shiva lecture on April 1)

**Second Evaluation:** This paper will have three components: an evaluation of your progress through the checklist of things you need to do to complete your progress, some reflection on your work to date, and the lessons that you’ve learned to this point.

12. April 5 (MT Easter Break)

Bringing projects to fruition.

13. April 12

Bringing projects to fruition.

14. April 19

Bringing projects to fruition.

15. April 26

16. May 3 (MTW classes only, Th May 6 is reading day)

**Wrap-up Assignment:** In your proposal, you described (d) how you will assess whether or not your project will advance sustainability, (e) how you will assess whether your project is successful or not, (f) what you need to learn for you to be successful in attempting this project, and (g) how to evaluate your learning through your work on this project. So, this is the assignment in which you will do those things and share them with the rest of us. And, we answer the question, what do we leave for the future in terms of environmental leadership skills, environmental awareness, and environmental infrastructure?