

# EE80J Course Feedback

Course Title: Renewable Energy Sources, Spring 2011

Instructor: Ali Shakouri

**For the numbered questions below, please use the Scantron form provided.** For bulleted questions, just write on the form. If you would like to add written comments about any of these items, you can do so on that last page of this survey form, just note which question you are referring to.

Please indicate if you are a student in:  EE80J class or in  EE180J class (Check the appropriate box.)

Please indicate if your major is or anticipated major:

- Electrical Engineering  Engineering, other  Physics/Astro/chemistry  Biology  
 Earth marine science  Environ. studies  Psychology  Sociology  Community studies  
 Politics  Literature  Arts, film, or music  Alternate major  Undeclared  Other \_\_\_\_\_

1. Which year in school are you?

A: Freshman B: Sophomore C: Junior D: Senior E: Other, please specify: \_\_\_\_\_

2. Why did you first decide to enroll in this class?

A: GE requirement B: Engineering course C: Interdisciplinary D: Related to major/interests  
E: Other, please specify: \_\_\_\_\_

3. Do you identify with a minority ethnic or socio-economic group?

A: Yes B: No C: Uncertain D: Prefer not to answer

## *Class resources*

4. The class was adequately staffed and you had access to knowledgeable instructors and other resources.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

5. Visual resources such as power point presentations have helped my learning in class.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

6. A course format that includes guest lectures was more helpful to my learning than one that relies only on a single instructor.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

• Which of the following guest lectures listed below were the most helpful to your learning?

7. The Ali A. and Alamelu S. has been helpful for my learning in the labs.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

8. The Ali A. and Alamelu S. for the class assignments and home energy audit has been helpful for my learning.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

9. The Kirsten R. responsible for the class project (report 3) has been helpful for my project.  
A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

***Assignments, graded activities, laboratory experiments, and tests***

10. I understood the lecture content better through hands-on laboratory experiments.  
A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

11. I understood the lecture content better through completing home energy audit.  
A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

12. I understood the lecture content better through completing project proposal.  
A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

13. Report 1 (energy basics) contributed to my learning about sources of renewable energy.  
A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

14. Report 2 (personal energy audit) contributed to my learning about sources of renewable energy.  
A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

15. Report 3 (final project) contributed to my learning about sources of renewable energy.  
A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

16. I would welcome an opportunity to continue the project I designed for Report 3  
A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

- How would you describe your experience working as a team on the group project?
  
- What were the unexpected challenges in the group project?
  
- What would you have done differently if you started over the group project?
  
- Describe your interactions with a mentor or other contact for your project (if you had one).

17. The in-class activities were helpful to my learning.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

18. Overall, the instructional videos during laboratory sections were helpful to my learning.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

19. Overall, the instructional videos were helpful in assembling laboratory kits.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

**The following \_\_\_\_\_ lab was interesting and helpful to my learning:**

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

20. Solar pathfinder

21. Flywheel

22. Remote Solar Tracker

23. Biofuels

24. Wind Turbine

25. Hydroelectric

26. Thermoelectric

27. Hydrogen Fuel Cell Car

*Your effort*

28. I regularly attend class lecture.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

29. I usually do the reading assignments before coming to class.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

30. I am usually well-prepared for class.

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

31. On the average how much time do you spend on the course every week?

A < 2 hours; B 2-5 hours; C 5-9 hours; D >9 hours

32. I put significant time into the class project

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

33. I've completed \_\_\_\_\_ laboratory experiments.

A:8 B:7 C:6 D:5 E: 4 or less

**Use the following to describe the level of confidence you have in your current understanding of the topics listed below.**

A: Strongly agree B: Agree C: Neutral D: Disagree E: Strongly disagree

- 34. heat, temperature, and thermodynamics
- 35. electricity, current/voltage
- 36. my personal energy use
- 37. solar photovoltaic and solar thermal systems
- 38. biomass and biofuels
- 39. wind energy
- 40. energy consumption and social issues
- 41. renewable energy policy
- 42. renewable energy economics

43. This class helped me develop the skills to work with others in a group.

- A: Strongly agree    B: Agree    C: Neutral    D: Disagree    E: Strongly disagree

44. Since taking this class I have discussed issues about energy with friends (outside of class) and family.

- A: frequently    B: on occasion    C: rarely if ever

45. This class has helped to raise my interest in pursuing renewable energy issues as a career path.

- A: Yes, definitely    B: Yes, I was already very interested    C: Yes, I am now thinking about it    D: No

***Support for you as an individual learner***

46. I feel encouraged to participate in class and respond to others.

- A: Strongly agree    B: Agree    C: Neutral    D: Disagree    E: Strongly disagree

47. I get clear responses to questions I ask in class.

- A: Strongly agree    B: Agree    C: Neutral    D: Disagree    E: Strongly disagree

48. The instructor treats students with respect,

- A: Strongly agree    B: Agree    C: Neutral    D: Disagree    E: Strongly disagree

***Class impacts on your attitudes and behavior***

49. This course has made me more aware of energy use and its impacts.

- A: Strongly agree    B: Agree    C: Neutral    D: Disagree    E: Strongly disagree

50. I have changed some of my personal energy use habits as a result of taking this course.

- A: Strongly agree    B: Agree    C: Neutral    D: Disagree    E: Strongly disagree

**Please comment on how this course has impacted your attitudes towards energy use and daily practice.**

**Please answer the questions below by writing on this sheet.** (Use the back if more space is needed.)

- What do you like best about this course? What will you remember years from now?
  
- What would you like to change?
  
- What do you think this instructor's greatest strengths are?
  
- What in his teaching could use improvement?
  
- Please add any additional comments you would like to about the Scantron questions asked above. Please indicate which item you are commenting on.