Instructor and Course Quality

1. Who is your instructor?
   A. Prof. Silva

2. Rate the instructor's overall teaching effectiveness

3. Rate the overall course quality

4. Rate the pace of lecture

5. My instructor's grammar and choice of words make it harder for me to understand the material

Lecture Content

6. I would like more worked examples

7. I would like more discussion of concepts
8. I would like more discussion of applications

9. I would like more derivations

10. I would like more iClicker questions

Effectiveness of Class Resources for Understanding Material

11. I find attending lecture beneficial

12. I find the iClicker questions beneficial

13. I find the posted lecture notes beneficial

14. I find the posted reference materials beneficial

15. I have adequate access to the professor
16. I find attending discussion section beneficial

17. I find office hours beneficial

18. I go to office hours for help

19. I need more office hours than are offered

20. Office hours are too crowded

21. I find Piazza beneficial

22. I find online homework beneficial

23. I find computer-based quizzes beneficial

24. I find the group project beneficial
Computer-Based Quizzes

25. I like the idea of computer-based quizzes

26. I feel comfortable in the computer testing facility

27. I like being able to choose the time that I take my quiz

28. It is easy to navigate the computer-based quizzes

29. I have enough retry attempts to solve quiz questions

30. I use Matlab/Mathematica during quizzes

31. I use built-in vector functions (e.g., cross-product) on my personal calculator during quizzes

32. The computer-based quizzes are too difficult

33. The computer-based quizzes have too many problems
34. I would rather take a few, longer midterm exams than take shorter, bi-weekly quizzes

35. I would rather take a computer-based final exam than a paper-and-pencil final exam of similar length

36. I would prefer taking a computer-based midterm exam to taking an evening midterm exam of similar length

Online Homework

37. I like the idea of online homework

38. I prefer online homework to written homework

39. I work on online homework by myself

40. Online homework is too difficult

41. Length of time spent on online homework each week
42. I would prefer more optional problems

43. I use Matlab/Mathematica to solve homework problems

44. I use built-in vector functions (e.g., cross product) on my personal calculator to solve homework

Discussion Section Worksheets

45. Length

46. Difficulty

47. Grading

48. Relevance to class material

49. Interest
50. I would prefer to do the worksheets on my own

51. My group gets sufficient attention from the TA/CA during discussion sections

52. The TA/CA takes the time to listen to me explain our groups’ answers rather than just looking at whether we have completed the activity

53. I find having undergraduate CAs in addition to graduate TAs beneficial

54. I find it easy to communicate with my teammates

55. I like working with the same group each week

56. I have made friends with people in my discussion section

57. I feel like this class is a community of learners that I belong to

58. I prefer to do the worksheets in a group
59. The discussion activities build on each other from one week to the next

60. I feel like my contributions to the group are not taken seriously by all members of the group

61. When working in a group, our ideas build on each other

62. I feel like I am always trying to get my teammates to work on the activity

63. I'm worried about how my teammates will evaluate my performance in this class

64. My group has access to a laptop, phone, or tablet to access course reference pages during discussion

Discussion Classroom

65. The classroom is too small for the number of students working in groups

66. The furniture allows my group to work together easily
67. The supplies in the classroom (e.g., white board and markers) are helpful for working as a group.

68. The classroom usually feels uncomfortable (too hot, too cold, crowded, etc.)

Second-Chance Retake Quiz

69. I learn the material better by retrying a quiz

70. How much do you study between quiz attempts

71. I feel less anxious about quiz results knowing that a retry is offered

Discussion Group Project

72. I like working on an activity over multiple weeks

73. The group project is interesting
74. How much time is spent on the project outside discussion meetings

75. The group project helps me understand the class material better

76. I like that the project is open-ended; there are several different, but equally correct ways to do it

77. I enjoy designing our own experiment, instead of following a predetermined procedure

78. I would rather work on written problems with only one correct answer/method

79. I would rather work on the project as an individual than as part of a group

In-class quizzes

80. Length

81. Difficulty
82. Grading

Fairly graded

Unfairly graded

83. The sample problem solved before the quiz is helpful

84. I prefer in-class quizzes to computer-based quizzes

Comparison of Online Homework Systems

85. Mastering Engineering homework problems help me learn the material better than PrairieLearn homework problems

86. Mastering Engineering homework problems prepare me for the computer-based quizzes better than PrairieLearn homework problems

87. The Mastering Engineering system is easier to use than PrairieLearn

88. I feel that Mastering Engineering was worth the cost of purchasing an access key

Demographic data
89. I feel like I’m becoming a member of the engineering community

90. How long have you been studying at UIUC?
   A: I am in my first year at UIUC
   B: I am in my second year at UIUC
   C: I am in my third year at UIUC
   D: I am in my fourth year at UIUC
   E: I am in my fifth year at UIUC

91. Which of the following best describes your sex?
   A: Female
   B: Male
   C: Neither of these options best describes me

92. Which of the following best describes you?
   A: African/Black
   B: Asian
   C: White/Caucasian
   D: Pacific Islander
   E: Native American

93. Do you describe yourself as Hispanic?
   A. Yes
   B. No

94. Are you an international student?
   A. Yes
   B. No

95. Is English your first language (i.e. the primary language spoken at home)?
   A. Yes
   B. No

96. Are you a transfer student?
   A. Yes
   B. No