STS 51-L Case Study Evaluation I

Your completion of this rating scale will help us evaluate the STS 51-L Case Study. There are no right or wrong answers, and your responses will not be used in determining your grade in the course. Please be honest in your responses.

Using the scale below, indicate the extent of your agreement/disagreement with each of the following items by circling a to e.

<table>
<thead>
<tr>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>Neither Agree nor Disagree</th>
<th>Agree</th>
<th>Strongly Agree</th>
</tr>
</thead>
</table>

1. The case study was successful at bringing real-life problems to the session. a----b----c----d----e
2. The case study was challenging. a----b----c----d----e
3. The case study was helpful in learning difficult concepts. a----b----c----d----e
4. The case study was helpful in transferring theory to practice. a----b----c----d----e
5. I improved my ability to identify issues related to the space industry. a----b----c----d----e
6. I improved my ability to identify issues related to ethical concepts. a----b----c----d----e
7. I improved my ability to integrate issues related to the space industry. a----b----c----d----e
8. I improved my ability to critically evaluate space industry alternatives. a----b----c----d----e
9. I improved my ability to critically evaluate ethical alternatives. a----b----c----d----e
10. I became more confident in expressing my ideas. a----b----c----d----e
11. I learned to value my colleagues’ points of view. a----b----c----d----e
12. I learned to interrelate important topics and ideas. a----b----c----d----e
13. I improved my understanding of basic space industry and ethical concepts. a----b----c----d----e
14. I learned new concepts related to the space industry. a----b----c----d----e
15. I learned to identify central issues related to the space industry. a----b----c----d----e
16. I learned to identify central issues related to ethical concepts. a----b----c----d----e
17. I discussed topics related to the space industry outside of class. a----b----c----d----e
18. I did additional reading on topics related to the space industry. a----b----c----d----e
19. I did additional reading on ethical topics. a----b----c----d----e
Using the scale below, indicate the extent of your agreement/disagreement with each of the following items by circling a to e.

| a-------------------b-------------------c-------------------d-------------------e |
|----------------------|----------------------|----------------------|----------------------|
| Strongly Disagree    | Disagree             | Neither Agree        | Agree                | Strongly Agree      |

20. I did some thinking for myself about issues related to the space industry. a----b----c----d----e
21. I did some thinking for myself about ethical issues. a----b----c----d----e
22. I learned from other colleagues during the session. a----b----c----d----e
23. I found connection between space industry concepts discussed and the case study. a----b----c----d----e
24. I found connection between ethical concepts discussed and the case study. a----b----c----d----e
25. I identified various alternatives to the problem. a----b----c----d----e
26. My decision-making skills improved. a----b----c----d----e
27. My problem-solving skills improved. a----b----c----d----e
28. It was easy to locate data on the space industry, even if I had not used that data before. a----b----c----d----e
29. On the reports or systems I dealt with, the exact meaning of terminology related to the space industry was either obvious, or was easy to find out. a----b----c----d----e
30. On the reports or systems I dealt with, the exact meaning of terminology related to ethical concepts was either obvious, or was easy to find out. a----b----c----d----e
31. The materials provided in the case study helped me complete my tasks within the given time. a----b----c----d----e
32. The manner in which the materials were presented in the case study helped me complete my tasks within the given time. a----b----c----d----e
33. It was easy to learn how to use the case study. a----b----c----d----e
34. The case study was convenient and easy to use a----b----c----d----e
35. There was not enough training for me or my group on how to find, understand, access or use the case study. a----b----c----d----e
36. I got the training I needed to be able to work on the case study effectively. a----b----c----d----e
STS 51-L Case Study Evaluation II

Please evaluate the following statements by inserting the items in the underlined space. For example, item 37 reads, "I did not get data on O-ring erosion that was current enough to meet my needs."

Using the scale below, indicate the extent of your agreement/disagreement with each of the following items by circling a to e.

<table>
<thead>
<tr>
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<th>Agree</th>
<th>Strongly Agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>a------------------</td>
<td>b---------</td>
<td>c--------------------</td>
<td>d------</td>
<td>e---------------</td>
</tr>
</tbody>
</table>

I did not get data on ____________________ that was current enough to meet my needs.

37. O-ring erosion a----b----c----d----e
38. decision making processes a----b----c----d----e
39. design processes a----b----c----d----e
40. project management a----b----c----d----e
41. dataset on failures a----b----c----d----e
42. issues related to professional ethics a----b----c----d----e

The case study provided data on__________________ at an appropriate level of detail for my group's tasks.

43. O-ring erosion a----b----c----d----e
44. decision making processes a----b----c----d----e
45. design processes a----b----c----d----e
46. project management a----b----c----d----e
47. dataset on failures a----b----c----d----e
48. issues related to professional ethics a----b----c----d----e

It was easy to find out what data the case study provided on__________________.

49. O-ring erosion a----b----c----d----e
50. decision making processes a----b----c----d----e
51. design processes a----b----c----d----e
52. project management a----b----c----d----e
53. dataset on failures a----b----c----d----e
54. issues related to professional ethics a----b----c----d----e
Please evaluate the following statements by inserting the items in the underlined space. For example, item 55 reads, "The exact definition of data on O-ring erosion was easy to find out."

Using the scale below, indicate the extent of your agreement/disagreement with each of the following items by circling a to e.

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The exact definition of data on____________________was easy to find out.

55. O-ring erosion
56. decision making processes
57. design processes
58. project management
59. dataset on failures
60. issues related to professional ethics

The data on____________________provided to me was pretty much what I needed to carry out my tasks.

61. O-ring erosion
62. decision making processes
63. design processes
64. project management
65. dataset on failures
66. issues related to professional ethics

**Individual Questions:**

67. Please select one of the following for your cumulative/overall GPA
   (a) GPA 2.0 to 2.5   (b) GPA 2.51 to 3.0
   (c) GPA 3.01 to 3.5   (d) GPA 3.51 to 4.0

68. Please specify your program/college of study
   (a) Engineering   (b) Business   (c) Liberal Arts   (d) Other

69. Please select one of the following for your years of experience in your program/field of study
   (a) less than 1 year   (b) 1 to 2 years
   (c) 2 to 3 years   (d) more than 3 years

70. Please specify your gender
   (a) Female   (b) Male

71. Please specify your race
   (a) Caucasian   (b) African American   (c) Hispanic   (d) Asian   (e) Other

72. Please specify your status in your program of study
   (a) Freshman   (b) Sophomore   (c) Junior   (d) Senior   (e) Graduate
Case Study Assessment:

What were the strengths of the STS 51-L case study?

What were the weaknesses of the STS 51-L case study?

Suggestions for improvement of this case study.