### Student Course Evaluation Questionnaire

#### Frequencies

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<td>1. Did you gain new insights, skills from this course</td>
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#### Frequency Distribution

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**Legend**

- A: Required for Majors
- B: Graduate
- C: Under-grad
- D: Non-major
- E: Electives
- F: #### - Means there are not enough responses to be significant
### Student Course Evaluation Questionnaire

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<th>Questions</th>
<th>Frequencies</th>
<th>Instructor</th>
<th>Course Dept</th>
<th>UMBC Level</th>
<th>Sect</th>
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<td>1. Did you gain new insights, skills from this course?</td>
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<td>16 4.33</td>
<td>4.24 4.49 4.31 4.32 4.33</td>
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<td>12 4.43</td>
<td>4.17 4.46 4.27 4.27 4.43</td>
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<td>4.38 4.32 4.39 4.33</td>
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<td>4.29 4.24 4.29 4.48</td>
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<td>5. Did assigned readings contribute to what you learned?</td>
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<td>11 4.26</td>
<td>3.92 4.58 4.07 4.00 4.26</td>
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<td>4.43 4.27 4.31 4.32 4.39</td>
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<td>7. Was the grading system clearly explained?</td>
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<td>4.22 4.57 4.20 4.20 4.65</td>
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<td>8. How many times was class cancelled?</td>
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<td>3.97 4.11 4.06 4.31</td>
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<td>1. Were the instructor's lectures well prepared?</td>
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<td>4.44 4.60 4.40 4.40 4.71</td>
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<td>4.70 4.72 4.73 4.81</td>
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<td>5. Did audiovisual techniques enhance your understanding?</td>
<td>5 0 0 3 6</td>
<td>12 4.40</td>
<td>4.24 4.08 4.00 4.08 4.40</td>
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<td><strong>Discussion</strong></td>
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<td>1. Did class discussions contribute to what you learned?</td>
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<td>4.55 4.10 4.07 4.86</td>
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<td>2. Were all students actively encouraged to participate?</td>
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<td>4.54 4.73 4.29 4.25 4.57</td>
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<td>4.31 4.26 4.24 4.24 4.79</td>
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<td>4. Were special techniques successful?</td>
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<td>3 3.67  ****/ 904 4.00 4.40 4.03 4.01  ****</td>
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<td>3. Did research projects contribute to what you learned?</td>
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<td>4. Were requirements for lab reports clearly specified?</td>
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<td>2. Did you clearly understand your evaluation criteria?</td>
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<td>5. Did conferences help you carry out field activities?</td>
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### Notes
- **Grad.** - Means there are not enough responses to be significant.
Student Course Evaluation Questionnaire

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### Student Course Evaluation Questionnaire

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### Discussion

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<td>4. Were special techniques successful</td>
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### General

1. Did you gain new insights, skills from this course  
   - NR: 0, NA: 0, 1: 1, 2: 1, 3: 0, 4: 0, 5: 2  
   - Mean: 2.80, Rank: 1640/1670  
   - Mean: 4.49, Mean: 4.31, Mean: 4.45, Mean: 2.80

2. Did the instructor make clear the expected goals  
   - NR: 0, NA: 0, 1: 1, 2: 1, 3: 1  
   - Mean: 3.00, Rank: 1603/1666  
   - Mean: 4.46, Mean: 4.27, Mean: 4.35, Mean: 3.00

3. Did other evaluations reflect the expected goals  
   - NR: 1, NA: 0, 1: 0, 2: 1, 3: 2  
   - Mean: 3.00, Rank: 1565/1615  
   - Mean: 4.43, Mean: 4.24, Mean: 4.37, Mean: 3.00

4. Did written assignments contribute to what you learned  
   - NR: 0, NA: 0, 1: 3, 2: 1, 3: 1  
   - Mean: 3.00, Rank: 1534/1626  
   - Mean: 4.18, Mean: 4.11, Mean: 4.28, Mean: 3.00

5. Was the grading system clearly explained  
   - NR: 1, NA: 0, 1: 0, 2: 2, 3: 0  
   - Mean: 3.50, Rank: 1460/1650  
   - Mean: 4.57, Mean: 4.22, Mean: 4.28, Mean: 3.50

6. How many times was class cancelled  
   - NR: 1, NA: 0, 1: 0, 2: 0, 3: 4  
   - Mean: 5.00, Rank: 1/1667  
   - Mean: 4.80, Mean: 4.67, Mean: 4.73, Mean: 5.00

7. How would you grade the overall teaching effectiveness  
   - NR: 1, NA: 0, 1: 0, 2: 4, 3: 0  
   - Mean: 3.00, Rank: 1534/1626  
   - Mean: 4.18, Mean: 4.11, Mean: 4.28, Mean: 3.00

### Lecture

1. Were the instructor's lectures well prepared  
   - NR: 4, NA: 0, 1: 0, 2: 0, 3: 1  
   - Mean: 5.00, Rank: 1559/1559  
   - Mean: 4.60, Mean: 4.46, Mean: 4.58, Mean: 4.58

2. Did the instructor seem interested in the subject  
   - NR: 3, NA: 0, 1: 0, 2: 1, 3: 0  
   - Mean: 3.50, Rank: 1524/1560  
   - Mean: 4.65, Mean: 4.72, Mean: 4.80, Mean: 3.50

3. Was lecture material presented and explained clearly  
   - NR: 3, NA: 0, 1: 0, 2: 2, 3: 0  
   - Mean: 2.00, Rank: 1534/1549  
   - Mean: 4.24, Mean: 4.31, Mean: 4.43, Mean: 2.00

4. Did the lectures contribute to what you learned  
   - NR: 3, NA: 0, 1: 1, 2: 1, 3: 0  
   - Mean: 2.00, Rank: 1546/1546  
   - Mean: 4.59, Mean: 4.32, Mean: 4.43, Mean: 4.43

### Discussion

1. Did class discussions contribute to what you learned  
   - NR: 3, NA: 0, 1: 0, 2: 1, 3: 0  
   - Mean: 4.50, Rank: 1103/1384  
   - Mean: 4.58, Mean: 4.10, Mean: 4.32, Mean: 3.50

2. Were all students actively encouraged to participate  
   - NR: 3, NA: 0, 1: 0, 2: 0, 3: 1  
   - Mean: 4.50, Rank: 603/1378  
   - Mean: 4.77, Mean: 4.29, Mean: 4.55, Mean: 4.50

3. Did the instructor encourage fair and open discussion  
   - NR: 3, NA: 0, 1: 0, 2: 1, 3: 0  
   - Mean: 4.50, Rank: 653/1378  
   - Mean: 4.79, Mean: 4.31, Mean: 4.60, Mean: 4.50

### Seminar

1. Were assigned topics relevant to the announced theme  
   - NR: 0, NA: 0, 1: 0, 2: 2, 3: 2  
   - Mean: 4.20, Rank: 70/87  
   - Mean: 4.20, Mean: 4.20, Mean: 4.65, Mean: 4.80

2. Was the instructor available for individual attention  
   - NR: 0, NA: 0, 1: 0, 2: 2, 3: 1  
   - Mean: 3.75, Rank: 74/79  
   - Mean: 3.75, Mean: 3.75, Mean: 4.64, Mean: 4.60

3. Did research projects contribute to what you learned  
   - NR: 0, NA: 0, 1: 0, 2: 2, 3: 0  
   - Mean: 3.33, Rank: 73/75  
   - Mean: 3.33, Mean: 3.33, Mean: 4.57, Mean: 4.56

4. Did presentations contribute to what you learned  
   - NR: 0, NA: 0, 1: 0, 2: 2, 3: 0  
   - Mean: 2.80, Rank: 77/79  
   - Mean: 2.80, Mean: 2.80, Mean: 4.45, Mean: 4.53

5. Were criteria for grading made clear  
   - NR: 0, NA: 0, 1: 0, 2: 2, 3: 0  
   - Mean: 3.75, Rank: 75/70  
   - Mean: 3.75, Mean: 3.75, Mean: 3.97, Mean: 3.67

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### General

1. Did you gain new insights, skills from this course
   - Mean: 5.00
2. Did the instructor make clear the expected goals
   - Mean: 5.00
3. Did the exam questions reflect the expected goals
   - Mean: 5.00
4. Did other evaluations reflect the expected goals
   - Mean: 5.00
5. Did assigned readings contribute to what you learned
   - Mean: 5.00
6. Did written assignments contribute to what you learned
   - Mean: 5.00
7. Was the grading system clearly explained
   - Mean: 5.00
8. How many times was class cancelled
   - Mean: 5.00
9. How would you grade the overall teaching effectiveness
   - Mean: 4.50

### Discussion

1. Did class discussions contribute to what you learned
   - Mean: 5.00
2. Were all students actively encouraged to participate
   - Mean: 5.00
3. Did the instructor encourage fair and open discussion
   - Mean: 5.00
4. Were special techniques successful
   - Mean: 5.00

### Frequency Distribution

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### General

1. Did you gain new insights, skills from this course 0 0 0 0 0 0 2 5.00 1/1670 5.00 4.49 4.31 4.45 5.00
2. Did the instructor make clear the expected goals 0 0 0 0 0 0 2 5.00 1/1666 5.00 4.46 4.27 4.35 5.00
3. Did the exam questions reflect the expected goals 0 0 0 0 0 0 2 5.00 1/1406 5.00 4.73 4.32 4.48 5.00
4. Did other evaluations reflect the expected goals 0 0 0 0 0 0 2 5.00 1/1615 5.00 4.43 4.24 4.37 5.00
5. Did assigned readings contribute to what you learned 0 0 0 0 0 0 2 5.00 1/1566 5.00 4.58 4.07 4.17 5.00
6. Did written assignments contribute to what you learned 0 0 0 0 0 0 2 5.00 1/1528 5.00 4.48 4.12 4.26 5.00
7. Was the grading system clearly explained 0 0 0 0 0 0 2 5.00 1/1650 5.00 4.57 4.22 4.28 5.00
8. How many times was class cancelled 0 0 0 0 0 0 2 5.00 1/1667 5.00 4.80 4.67 4.73 5.00
9. How would you grade the overall teaching effectiveness 0 0 0 0 0 1 1 4.50 403/1626 4.50 4.18 4.11 4.28 4.50

### Discussion

1. Did class discussions contribute to what you learned 0 0 0 0 0 0 2 5.00 1/1384 5.00 4.58 4.10 4.32 5.00
2. Were all students actively encouraged to participate 0 0 0 0 0 0 2 5.00 1/1378 5.00 4.77 4.29 4.55 5.00
3. Did the instructor encourage fair and open discussion 0 0 0 0 0 0 2 5.00 1/1378 5.00 4.79 4.31 4.60 5.00
4. Were special techniques successful 0 0 0 0 0 0 2 5.00 1/ 904 5.00 4.40 4.03 4.22 5.00

### Frequency Distribution

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### Notes
- **NR** indicates no response.
- **NA** indicates no assessment.
- **Mean** represents the average rating.
- **Rank** shows the relative position of the mean rating.
General

1. Did you gain new insights, skills from this course
   0 0 0 0 0 0 2 5.00 1/1670 5.00 4.49 4.31 4.45 5.00
2. Did the instructor make clear the expected goals
   0 0 0 0 0 0 2 5.00 1/1666 5.00 4.46 4.27 4.35 5.00
3. Did the exam questions reflect the expected goals
   0 0 0 0 0 0 2 5.00 1/1406 5.00 4.73 4.32 4.48 5.00
4. Did other evaluations reflect the expected goals
   0 0 0 0 0 0 2 5.00 1/1615 5.00 4.43 4.24 4.37 5.00
5. Did assigned readings contribute to what you learned
   0 0 0 0 0 0 2 5.00 1/1566 5.00 4.58 4.07 4.17 5.00
6. Did written assignments contribute to what you learned
   0 0 0 0 0 0 2 5.00 1/1528 5.00 4.48 4.12 4.26 5.00
7. Was the grading system clearly explained
   0 0 0 0 0 0 2 5.00 1/1650 5.00 4.57 4.22 4.28 5.00
8. How many times was class cancelled
   0 0 0 0 0 0 2 5.00 1/1667 5.00 4.80 4.67 4.73 5.00
9. How would you grade the overall teaching effectiveness
   0 0 0 0 0 1 1 4.50 403/1626 4.50 4.18 4.11 4.28 4.50

Discussion

1. Did class discussions contribute to what you learned
   0 0 0 0 0 0 2 5.00 1/1384 5.00 4.58 4.10 4.32 5.00
2. Were all students actively encouraged to participate
   0 0 0 0 0 0 2 5.00 1/1378 5.00 4.77 4.29 4.55 5.00
3. Did the instructor encourage fair and open discussion
   0 0 0 0 0 0 2 5.00 1/1378 5.00 4.79 4.31 4.60 5.00
4. Were special techniques successful
   0 0 0 0 0 0 2 5.00 1/ 904 5.00 4.40 4.03 4.22 5.00

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### General

1. Did you gain new insights, skills from this course
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.96
   - Rank: 4
   - Mean: 4.51
   - Mean: 4.31
   - Mean: 4.23

2. Did the instructor make clear the expected goals
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.73
   - Rank: 3
   - Mean: 4.52
   - Mean: 4.32
   - Mean: 4.17

3. Did the exam questions reflect the expected goals
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.90
   - Rank: 4
   - Mean: 4.52
   - Mean: 4.32
   - Mean: 4.23

4. Did other evaluations reflect the expected goals
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.88
   - Rank: 4
   - Mean: 4.45
   - Mean: 4.24
   - Mean: 4.17

5. Did assigned readings contribute to what you learned
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.62
   - Rank: 3
   - Mean: 4.39
   - Mean: 4.07
   - Mean: 4.23

6. Did written assignments contribute to what you learned
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.76
   - Rank: 4
   - Mean: 4.40
   - Mean: 4.12
   - Mean: 4.00

7. Was the grading system clearly explained
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.73
   - Rank: 4
   - Mean: 4.51
   - Mean: 4.22
   - Mean: 4.17

8. How many times was class cancelled
   - 1: Yes, 0: No
   - Mean: 5.00
   - Rank: 1
   - Mean: 4.86
   - Mean: 4.67
   - Mean: 4.61

9. How would you grade the overall teaching effectiveness
   - 1: Yes, 0: No
   - Mean: 4.76
   - Rank: 4
   - Mean: 4.34
   - Mean: 4.11
   - Mean: 4.07

### Lecture

1. Were the instructor's lectures well prepared
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.92
   - Rank: 4
   - Mean: 4.65
   - Mean: 4.47

2. Did the instructor seem interested in the subject
   - 1: Yes, 0: No
   - Mean: 5.00
   - Rank: 1
   - Mean: 4.87
   - Mean: 4.72
   - Mean: 4.68

3. Was lecture material presented and explained clearly
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.69
   - Rank: 2
   - Mean: 4.48
   - Mean: 4.31
   - Mean: 4.27

4. Did the lectures contribute to what you learned
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.73
   - Rank: 4
   - Mean: 4.51
   - Mean: 4.32
   - Mean: 4.32

5. Did audiovisual techniques enhance your understanding
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.00
   - Rank: 2
   - Mean: 4.13
   - Mean: 4.00
   - Mean: 3.91

### Discussion

1. Did class discussions contribute to what you learned
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.96
   - Rank: 4
   - Mean: 4.63
   - Mean: 4.10
   - Mean: 3.92

2. Were all students actively encouraged to participate
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.92
   - Rank: 4
   - Mean: 4.75
   - Mean: 4.29
   - Mean: 4.09

3. Did the instructor encourage fair and open discussion
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.96
   - Rank: 4
   - Mean: 4.89
   - Mean: 4.31
   - Mean: 4.08

4. Were special techniques successful
   - 1: Yes, 0: No, 2: Somewhat, 3: Neither, 4: No
   - Mean: 4.92
   - Rank: 4
   - Mean: 4.22
   - Mean: 4.03
   - Mean: 3.94

### Seminar

1. Were assigned topics relevant to the announced theme
   - 1: Yes, 0: No
   - Mean: 3.00
   - Rank: 2
   - Mean: 4.95
   - Mean: 4.65

2. Did research projects contribute to what you learned
   - 1: Yes, 0: No
   - Mean: 4.00
   - Rank: 2
   - Mean: 4.97
   - Mean: 4.57

3. Did presentations contribute to what you learned
   - 1: Yes, 0: No
   - Mean: 4.00
   - Rank: 2
   - Mean: 4.72
   - Mean: 4.45

4. Were criteria for grading made clear
   - 1: Yes, 0: No
   - Mean: 1.00
   - Rank: 1
   - Mean: 4.22
   - Mean: 3.97

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- **Mean** - Indicates the mean value for the specified category.
- **Rank** - Represents the rank among the options.
- **Mean** - Indicates the mean value for the specified category.
- **Graduate** - Indicates the level of graduation.
- **Major** - Indicates the major of the course.
- **Under-grad** - Indicates the undergraduate level.
- **Non-major** - Indicates the non-major level.
- **Electives** - Indicates the type of the course.
- **Other** - Indicates other unspecified categories.
- ******/**** - Indicates the frequency distribution for the specified category.
**Questions**  |  **Frequencies**  |  **Instructor**  |  **Course Dept**  |  **UMBC Level**  |  **Sect**
--- | --- | --- | --- | --- | ---
General
1. Did you gain new insights, skills from this course  | 1 0 0 0 0 1 25  4.96  83/1670  |  |  |  |  |  | 4.51 4.31 4.23 4.96
2. Did the instructor make clear the expected goals  | 1 0 0 0 0 2 21  4.73  333/1666  |  |  |  |  |  | 4.52 4.27 4.30 4.73
3. Did the exam questions reflect the expected goals  | 1 6 0 0 0 2 28  4.90  219/1406  |  |  |  |  |  | 4.52 4.32 4.31 4.90
4. Did other evaluations reflect the expected goals  | 2 0 0 0 0 3 22  4.88  189/1615  |  |  |  |  |  | 4.45 4.24 4.17 4.88
5. Did assigned readings contribute to what you learned  | 1 0 1 1 1 1 22  4.62  331/1566  |  |  |  |  |  | 4.39 4.07 4.03 4.62
6. Did written assignments contribute to what you learned  | 1 1 0 0 2 2 21  4.76  211/1528  |  |  |  |  |  | 4.40 4.12 4.00 4.76
7. Was the grading system clearly explained  | 1 0 0 0 4 21  4.73  289/1650  |  |  |  |  |  | 4.51 4.22 4.28 4.73
8. How many times was class cancelled  | 3 0 0 0 0 0 24  5.00  1/1667  |  |  |  |  |  | 4.86 4.67 4.61 5.00
9. How would you grade the overall teaching effectiveness  | 6 0 0 0 0 3 18  4.86  141/1626  |  |  |  |  |  | 4.34 4.11 4.07 4.81
Lecture
1. Were the instructor's lectures well prepared  | 4 0 0 0 0 2 21  4.91  248/1559  |  |  |  |  |  | 4.65 4.46 4.47 4.92
2. Did the instructor seem interested in the subject  | 4 0 0 0 0 23  5.00  1/1650  |  |  |  |  |  | 4.87 4.72 4.68 5.00
3. Was lecture material presented and explained clearly  | 4 0 0 1 0 5 17  4.65  500/1549  |  |  |  |  |  | 4.48 4.31 4.32 4.67
4. Did the lectures contribute to what you learned  | 4 0 0 0 0 1 22  4.96  116/1546  |  |  |  |  |  | 4.51 4.32 4.32 4.84
5. Did audiovisual techniques enhance your understanding  | 4 1 3 0 3 12 4.00  692/1323  |  |  |  |  |  | 4.13 4.00 3.91 4.00
Discussion
1. Did class discussions contribute to what you learned  | 2 0 0 0 0 1 24  4.96  68/1384  |  |  |  |  |  | 4.63 4.10 3.92 4.96
2. Were all students actively encouraged to participate  | 2 0 0 0 1 0 24  4.92  194/1378  |  |  |  |  |  | 4.75 4.29 4.09 4.92
3. Did the instructor encourage fair and open discussion  | 2 0 0 0 0 1 24  4.96  113/1378  |  |  |  |  |  | 4.89 4.31 4.08 4.96
4. Were special techniques successful  | 3 0 0 0 0 2 22  4.92  100/ 904  |  |  |  |  |  | 4.22 4.03 3.94 4.92
Seminar
1. Did assigned topics contribute to the announced theme  | 26 0 0 0 1 0 0  3.00  87  |  |  |  |  |  | 4.95 4.65 4.67 4.95
2. Did research projects contribute to what you learned  | 26 0 0 0 0 1 0  4.00  75  |  |  |  |  |  | 4.97 4.57 4.46 4.95
3. Did presentations contribute to what you learned  | 26 0 0 0 0 1 0  4.00  79  |  |  |  |  |  | 4.72 4.45 4.59 4.95
5. Were criteria for grading made clear  | 26 0 1 0 0 0 0  1.00  80  |  |  |  |  |  | 4.22 3.97 3.99 4.95

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**Notes:**
- **Grad.** indicates graduation credits.
- **P** signifies that the response is not significant.
- **I** signifies that there are not enough responses to be significant.
- **?”** signifies that the response is not significant.
- **NR** signifies that the response is not relevant.
- **NA** signifies that the response is not applicable.
- **Mean** signifies the average rating.
- **Rank** signifies the rank of the response.
- **Grad.** signifies graduation credits.
- **P** signifies that the response is not significant.
- **I** signifies that there are not enough responses to be significant.
- **?”** signifies that the response is not significant.
### Student Course Evaluation Questionnaire

#### General
1. Did you gain new insights, skills from this course
   - **Frequencies:** 0 0 0 0 1 6 16
   - **Mean:** 4.65
   - **Rank:** 492/1670
   - **Mean:** 4.65
   - **Mean:** 4.49
   - **Mean:** 4.46
   - **Mean:** 4.46
   - **Mean:** 4.65

2. Did the instructor make clear the expected goals
   - **Frequencies:** 0 0 0 0 1 9 13
   - **Mean:** 4.52
   - **Rank:** 595/1666
   - **Mean:** 4.52
   - **Mean:** 4.46
   - **Mean:** 4.27
   - **Mean:** 4.34
   - **Mean:** 4.52

3. Did the exam questions reflect the expected goals
   - **Frequencies:** 2 0 0 0 1 6 14
   - **Mean:** 4.62
   - **Rank:** 483/1406
   - **Mean:** 4.62
   - **Mean:** 4.73
   - **Mean:** 4.32
   - **Mean:** 4.36
   - **Mean:** 4.62

4. Did other evaluations reflect the expected goals
   - **Frequencies:** 1 0 0 1 3 7 10
   - **Mean:** 4.27
   - **Rank:** 814/1528
   - **Mean:** 4.13
   - **Mean:** 4.48
   - **Mean:** 4.12
   - **Mean:** 4.33
   - **Mean:** 4.13

5. Did assigned readings contribute to what you learned
   - **Frequencies:** 0 0 1 0 1 8 13
   - **Mean:** 3.99
   - **Rank:** 500/1566
   - **Mean:** 4.39
   - **Mean:** 4.58
   - **Mean:** 4.07
   - **Mean:** 4.20
   - **Mean:** 4.39

6. Did written assignments contribute to what you learned
   - **Frequencies:** 0 0 0 1 5 7 10
   - **Mean:** 4.27
   - **Rank:** 849/1615
   - **Mean:** 4.27
   - **Mean:** 4.43
   - **Mean:** 4.24
   - **Mean:** 4.33
   - **Mean:** 4.27

7. Was the grading system clearly explained
   - **Frequencies:** 0 0 0 0 0 6 17
   - **Mean:** 4.74
   - **Rank:** 289/1650
   - **Mean:** 4.74
   - **Mean:** 4.57
   - **Mean:** 4.22
   - **Mean:** 4.30
   - **Mean:** 4.74

8. How many times was class cancelled
   - **Frequencies:** 0 0 0 0 0 0 23
   - **Mean:** 5.00
   - **Rank:** 1/1667
   - **Mean:** 5.00
   - **Mean:** 4.80
   - **Mean:** 4.67
   - **Mean:** 4.74
   - **Mean:** 5.00

9. How would you grade the overall teaching effectiveness
   - **Frequencies:** 3 1 0 0 0 9 10
   - **Mean:** 4.53
   - **Rank:** 387/1626
   - **Mean:** 4.53
   - **Mean:** 4.18
   - **Mean:** 4.11
   - **Mean:** 4.20
   - **Mean:** 4.53

### Lecture
1. Were the instructor's lectures well prepared
   - **Frequencies:** 0 0 0 0 2 0 21
   - **Mean:** 4.83
   - **Rank:** 403/1559
   - **Mean:** 4.83
   - **Mean:** 4.60
   - **Mean:** 4.49
   - **Mean:** 4.83

2. Did the instructor seem interested in the subject
   - **Frequencies:** 0 0 0 0 0 0 23
   - **Mean:** 5.00
   - **Rank:** 1/1560
   - **Mean:** 5.00
   - **Mean:** 4.72
   - **Mean:** 4.81
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3. Was lecture material presented and explained clearly
   - **Frequencies:** 1 0 0 1 1 10 10
   - **Mean:** 4.52
   - **Rank:** 924/1549
   - **Mean:** 4.32
   - **Mean:** 4.24
   - **Mean:** 4.31
   - **Mean:** 4.37
   - **Mean:** 4.32

4. Did the lectures contribute to what you learned
   - **Frequencies:** 0 0 0 0 1 8 14
   - **Mean:** 4.57
   - **Rank:** 643/1546
   - **Mean:** 4.57
   - **Mean:** 4.59
   - **Mean:** 4.32
   - **Mean:** 4.40
   - **Mean:** 4.57

5. Did audiovisual techniques enhance your understanding
   - **Frequencies:** 2 0 0 0 0 6 15
   - **Mean:** 4.71
   - **Rank:** 205/1323
   - **Mean:** 4.71
   - **Mean:** 4.06
   - **Mean:** 4.00
   - **Mean:** 4.03
   - **Mean:** 4.71

### Discussion
1. Did class discussions contribute to what you learned
   - **Frequencies:** 1 0 0 2 1 2 17
   - **Mean:** 4.55
   - **Rank:** 409/1384
   - **Mean:** 4.55
   - **Mean:** 4.58
   - **Mean:** 4.10
   - **Mean:** 4.21
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2. Were all students actively encouraged to participate
   - **Frequencies:** 1 0 0 1 1 1 19
   - **Mean:** 4.73
   - **Rank:** 431/1378
   - **Mean:** 4.73
   - **Mean:** 4.77
   - **Mean:** 4.29
   - **Mean:** 4.42
   - **Mean:** 4.73

3. Did the instructor encourage fair and open discussion
   - **Frequencies:** 1 0 0 0 1 4 17
   - **Mean:** 4.73
   - **Rank:** 470/1378
   - **Mean:** 4.73
   - **Mean:** 4.79
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4. Were special techniques successful
   - **Frequencies:** 1 3 1 3 4 4 7
   - **Mean:** 3.68
   - **Rank:** 662/904
   - **Mean:** 3.68
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   - **Mean:** 4.04
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### Seminar
1. Did assigned topics relevant to the announced theme
   - **Frequencies:** 22 0 0 0 0 0 1
   - **Mean:** 5.00
   - **Rank:** 87
   - **Mean:** 4.20
   - **Mean:** 4.65
   - **Mean:** 4.61
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2. Was the instructor available for individual attention
   - **Frequencies:** 22 0 0 0 0 0 1
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   - **Rank:** 79
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3. Did research projects contribute to what you learned
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4. Did presentations contribute to what you learned
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### Frequency Distribution

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### Student Course Evaluation Questionnaire

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