### Questionnaires:

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### General

1. Did you gain new insights, skills from this course  
   - Frequency: 0 0 0 1 4 3 6  
   - Mean: 4.00 1058/1447 4.14 4.31 4.31 4.31 4.00

2. Did the instructor make clear the expected goals  
   - Frequency: 0 0 0 0 5 4 5  
   - Mean: 4.00 1053/1447 4.32 4.34 4.27 4.23 4.00

3. Did the exam questions reflect the expected goals  
   - Frequency: 0 0 1 2 6 5  
   - Mean: 4.07 893/1241 4.26 4.48 4.33 4.35 4.07

4. Did other evaluations reflect the expected goals  
   - Frequency: 0 3 0 3 1 5 2  

5. Did assigned readings contribute to what you learned  
   - Frequency: 0 2 0 1 0 8 3  
   - Mean: 4.08 756/1358 4.00 4.26 4.11 4.12 4.08

6. Did written assignments contribute to what you learned  
   - Frequency: 0 0 1 1 5 1  
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7. Was the grading system clearly explained  
   - Frequency: 0 0 0 3 3 6 2  
   - Mean: 3.50 1259/1427 3.93 4.21 4.19 4.14 3.50

8. How many times was class cancelled  
   - Frequency: 0 0 0 0 2 12  
   - Mean: 4.86 619/1447 4.93 4.66 4.69 4.70 4.86

9. How would you grade the overall teaching effectiveness  
   - Frequency: 2 0 1 0 2 7 2  
   - Mean: 3.75 1088/1434 4.04 4.12 3.97 3.75

### Lecture

1. Were the instructor’s lectures well prepared  
   - Frequency: 1 0 1 0 3 4 5  
   - Mean: 3.92 1217/1387 4.14 4.45 4.46 4.42 3.92

2. Did the instructor seem interested in the subject  
   - Frequency: 1 0 0 1 2 0 10  
   - Mean: 4.46 1167/1387 4.69 4.78 4.73 4.71 4.46

3. Was lecture material presented and explained clearly  
   - Frequency: 1 0 0 2 2 4 5  
   - Mean: 3.92 1111/1386 4.19 4.35 4.32 4.24 3.92

4. Did the lectures contribute to what you learned  
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   - Mean: 4.08 1006/1380 4.31 4.43 4.32 4.30 4.08

5. Did audiovisual techniques enhance your understanding  
   - Frequency: 1 3 1 2 2 3  
   - Mean: 3.40 999/1193 3.53 4.02 4.02 4.04 3.40

### Discussion

1. Did class discussions contribute to what you learned  
   - Frequency: 4 0 1 1 4 1 3  
   - Mean: 3.40 1024/1172 3.25 4.26 4.15 4.12 3.40

2. Were all students actively encouraged to participate  
   - Frequency: 4 0 0 1 3 1 5  
   - Mean: 4.00 856/1182 4.05 4.56 4.35 4.30 4.00

3. Did the instructor encourage fair and open discussion  
   - Frequency: 4 0 0 1 2 2 5  
   - Mean: 4.10 851/1170 4.19 4.41 4.38 4.32 4.10

4. Were special techniques successful  
   - Frequency: 4 3 0 1 4 2 0  
   - Mean: 3.14 735/800 3.57 4.17 4.06 4.01 3.14

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### Lecture

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### Discussion

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### Frequency Distribution

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### Student Course Evaluation Questionnaire

#### General

1. Did you gain new insights, skills from this course
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 7
   - 5: 1
   - Mean: 4.88
   - Rank: 114/1402
   - Mean: 4.88
   - Mean: 4.36
   - Mean: 4.24
   - Mean: 4.24
   - Mean: 4.88

2. Did the instructor make clear the expected goals
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 2
   - 5: 5
   - Mean: 4.50
   - Rank: 532/1447
   - Mean: 4.50
   - Mean: 4.34
   - Mean: 4.27
   - Mean: 4.23
   - Mean: 4.50

3. Did the exam questions reflect the expected goals
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 7
   - 5: 6
   - Mean: 4.88
   - Rank: 168/1241
   - Mean: 4.88
   - Mean: 4.48
   - Mean: 4.33
   - Mean: 4.33
   - Mean: 4.88

4. Did other evaluations reflect the expected goals
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 7
   - 5: 6
   - Mean: 4.88
   - Rank: 114/1402
   - Mean: 4.88
   - Mean: 4.36
   - Mean: 4.24
   - Mean: 4.24
   - Mean: 4.88

5. Did assigned readings contribute to what you learned
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 4
   - 5: 3
   - Mean: 4.25
   - Rank: 607/1386
   - Mean: 4.25
   - Mean: 4.26
   - Mean: 4.11
   - Mean: 4.11
   - Mean: 4.25

6. Did written assignments contribute to what you learned
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 7
   - 5: 6
   - Mean: 4.63
   - Rank: 274/1316
   - Mean: 4.63
   - Mean: 4.27
   - Mean: 4.14
   - Mean: 4.13
   - Mean: 4.63

7. Was the grading system clearly explained
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 7
   - 5: 6
   - Mean: 4.75
   - Rank: 1427
   - Mean: 4.75
   - Mean: 4.21
   - Mean: 4.19
   - Mean: 4.15
   - Mean: 4.75

8. How many times was class cancelled
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 8
   - 5: 3
   - Mean: 5.00
   - Rank: 1447
   - Mean: 5.00
   - Mean: 4.66
   - Mean: 4.69
   - Mean: 4.65
   - Mean: 5.00

9. How would you grade the overall teaching effectiveness
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 4
   - 5: 3
   - Mean: 4.38
   - Rank: 491/1434
   - Mean: 4.38
   - Mean: 4.12
   - Mean: 4.09
   - Mean: 4.09
   - Mean: 4.38

### Lecture

1. Were the instructor's lectures well prepared
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 3
   - 5: 3
   - Mean: 4.25
   - Rank: 1039/1387
   - Mean: 4.25
   - Mean: 4.45
   - Mean: 4.46
   - Mean: 4.44
   - Mean: 4.25

2. Did the instructor seem interested in the subject
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 0
   - 4: 1
   - 5: 6
   - Mean: 4.75
   - Rank: 1/1387
   - Mean: 4.75
   - Mean: 4.78
   - Mean: 4.73
   - Mean: 4.71
   - Mean: 5.00

3. Was lecture material presented and explained clearly
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 4
   - 5: 4
   - Mean: 4.50
   - Rank: 607/1386
   - Mean: 4.50
   - Mean: 4.35
   - Mean: 4.32
   - Mean: 4.32
   - Mean: 4.50

4. Did the lectures contribute to what you learned
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 5
   - 5: 3
   - Mean: 4.63
   - Rank: 520/1380
   - Mean: 4.63
   - Mean: 4.43
   - Mean: 4.32
   - Mean: 4.32
   - Mean: 4.63

5. Did audiovisual techniques enhance your understanding
   - NR: 0
   - NA: 0
   - 1: 3
   - 2: 3
   - 3: 1
   - 4: 1
   - 5: 3
   - Mean: 3.60
   - Rank: 927/1193
   - Mean: 3.60
   - Mean: 4.02
   - Mean: 4.02
   - Mean: 4.05
   - Mean: 3.60

### Discussion

1. Did class discussions contribute to what you learned
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 4
   - 5: 3
   - Mean: 4.00
   - Rank: 423/800
   - Mean: 4.00
   - Mean: 4.17
   - Mean: 4.06
   - Mean: 4.12
   - Mean: 4.00

2. Were all students actively encouraged to participate
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 3
   - 5: 7
   - Mean: 4.75
   - Rank: 347/1182
   - Mean: 4.75
   - Mean: 4.56
   - Mean: 4.35
   - Mean: 4.42
   - Mean: 4.75

3. Did the instructor encourage fair and open discussion
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 0
   - 4: 1
   - 5: 4
   - Mean: 5.00
   - Rank: 1
   - Mean: 5.00
   - Mean: 4.41
   - Mean: 4.38
   - Mean: 4.49
   - Mean: 5.00

4. Were special techniques successful
   - NR: 0
   - NA: 0
   - 1: 0
   - 2: 0
   - 3: 1
   - 4: 4
   - 5: 3
   - Mean: 4.00
   - Rank: 423/800
   - Mean: 4.00
   - Mean: 4.17
   - Mean: 4.06
   - Mean: 4.12
   - Mean: 4.00

### Frequency Distribution

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## Student Course Evaluation Questionnaire

### General

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<th>UMBC Level Mean</th>
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<td>4.90</td>
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<td>532/1447</td>
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<td>4.34</td>
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<td>3. Did the exam questions reflect the expected goals</td>
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<td>4. Did other evaluations reflect the expected goals</td>
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<td>281/1402</td>
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<td>4.36</td>
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<td>5. Did assigned readings contribute to what you learned</td>
<td>0 0 0 0 0 2 8</td>
<td>4.80</td>
<td>137/1358</td>
<td>4.80</td>
<td>4.26</td>
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<td>6. Did written assignments contribute to what you learned</td>
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<td>212/1316</td>
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<td>7. Was the grading system clearly explained</td>
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<td>541/1427</td>
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<td>8. How many times was class cancelled</td>
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<td>1079/1447</td>
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### Lecture

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<td>4.45</td>
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<td>2. Did the instructor seem interested in the subject</td>
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<td>4. Did the lectures contribute to what you learned</td>
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### Discussion

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<td>2. Were all students actively encouraged to participate</td>
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<td>4.56</td>
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<td>3. Did the instructor encourage fair and open discussion</td>
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<td>4.41</td>
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<td>4. Were special techniques successful</td>
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### Course Evaluation Questionnaire

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<td>4. Were special techniques successful</td>
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<td>0</td>
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<td>1</td>
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<td>4.00</td>
<td>****/ 800</td>
<td>****</td>
<td>4.17</td>
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<td>4.19</td>
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#### Frequency Distribution

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<th>Expected Grades</th>
<th>Reasons</th>
<th>Type</th>
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