### Student Course Evaluation Questionnaire

**General**
1. Did you gain new insights, skills from this course
   - NR: 0, NA: 0, 1: 1, 2: 3, 3: 12, 4: 7, 5: 7, Mean: 3.96, Rank: 1143/1504, Mean: 3.96, Mean: 4.24, Mean: 4.27, Mean: 4.26
2. Did the instructor make clear the expected goals
   - NR: 0, NA: 0, 1: 2, 2: 7, 3: 10, 4: 5, 5: 9, Mean: 3.75, Rank: 1207/1503, Mean: 3.75, Mean: 4.22, Mean: 4.20, Mean: 4.18
3. Did the exam questions reflect the expected goals
   - NR: 0, NA: 0, 1: 1, 2: 8, 3: 6, 4: 9, Mean: 3.96, Rank: 979/1290, Mean: 3.96, Mean: 4.32, Mean: 4.28, Mean: 4.27
4. Did other evaluations reflect the expected goals
   - NR: 0, NA: 0, 1: 0, 2: 3, 3: 12, 4: 8, Mean: 4.22, Rank: 821/1453, Mean: 4.22, Mean: 4.22, Mean: 4.21, Mean: 4.20
5. Did assigned readings contribute to what you learned
   - NR: 0, NA: 10, 1: 4, 2: 5, 3: 2, 4: 1, Mean: 3.00, Rank: 1305/1421, Mean: 3.00, Mean: 4.08, Mean: 4.00, Mean: 3.90
6. Did written assignments contribute to what you learned
   - NR: 0, NA: 0, 1: 0, 2: 1, 3: 6, 4: 8, 5: 9, Mean: 4.04, Rank: 759/1365, Mean: 4.04, Mean: 4.11, Mean: 4.08, Mean: 4.00
7. Was the grading system clearly explained
   - NR: 0, NA: 0, 1: 0, 2: 0, 3: 9, 4: 10, 5: 2, Mean: 3.00, Rank: 1305/1421, Mean: 3.00, Mean: 4.08, Mean: 4.00, Mean: 3.90
8. How many times was class cancelled
   - NR: 0, NA: 0, 1: 0, 2: 1, 3: 6, 4: 8, 5: 9, Mean: 4.08, Rank: 1389/1504, Mean: 4.08, Mean: 4.68, Mean: 4.69, Mean: 4.68
9. How would you grade the overall teaching effectiveness
   - NR: 5, NA: 0, 1: 0, 2: 1, 3: 4, 4: 11, 5: 3, Mean: 3.84, Rank: 1051/1483, Mean: 4.09, Mean: 4.07, Mean: 4.06, Mean: 4.02

**Lecture**
1. Were the instructor's lectures well prepared
   - NR: 3, NA: 0, 1: 1, 2: 4, 3: 6, 4: 8, 5: 2, Mean: 3.29, Rank: 1340/1425, Mean: 3.29, Mean: 4.41, Mean: 4.42, Mean: 3.29
2. Did the instructor seem interested in the subject
   - NR: 4, NA: 0, 1: 0, 2: 0, 3: 2, 4: 6, 5: 12, Mean: 4.50, Rank: 1128/1426, Mean: 4.33, Mean: 4.72, Mean: 4.69, Mean: 4.71
3. Was lecture material presented and explained clearly
   - NR: 4, NA: 0, 1: 0, 2: 4, 3: 8, 4: 7, 5: 1, Mean: 3.25, Rank: 1307/1418, Mean: 3.54, Mean: 4.29, Mean: 4.25, Mean: 3.54
4. Did the lectures contribute to what you learned
   - NR: 4, NA: 0, 1: 0, 2: 0, 3: 2, 4: 2, 5: 2, Mean: 4.00, Rank: 922/1299, Mean: 4.00, Mean: 4.34, Mean: 4.25, Mean: 4.00
5. Did audiovisual techniques enhance your understanding
   - NR: 5, NA: 3, 1: 0, 2: 1, 3: 3, 4: 8, 5: 4, Mean: 3.94, Rank: 714/1199, Mean: 3.94, Mean: 3.95, Mean: 3.97, Mean: 3.94

**Discussion**
1. Did class discussions contribute to what you learned
   - NR: 18, NA: 0, 1: 0, 2: 0, 3: 3, 4: 2, 5: 1, Mean: 3.67, Rank: 947/1312, Mean: 3.67, Mean: 4.12, Mean: 4.00, Mean: 3.98
2. Were all students actively encouraged to participate
   - NR: 18, NA: 0, 1: 0, 2: 0, 3: 2, 4: 2, 5: 2, Mean: 4.00, Rank: 922/1299, Mean: 4.00, Mean: 4.34, Mean: 4.25, Mean: 4.00
3. Did the instructor encourage fair and open discussion
   - NR: 18, NA: 0, 1: 0, 2: 0, 3: 2, 4: 5, 5: 6, Mean: 4.00, Rank: 922/1299, Mean: 4.00, Mean: 4.34, Mean: 4.25, Mean: 4.00
4. Were special techniques successful
   - NR: 18, NA: 2, 1: 0, 2: 0, 3: 2, 4: 1, Mean: 3.75, ****/758, Mean: 4.05, Mean: 4.01, Mean: 3.89, ****

**Laboratory**
1. Did the lab increase understanding of the material
   - NR: 12, NA: 0, 1: 1, 2: 2, 3: 2, 4: 4, Mean: 3.75, Rank: 176/233, Mean: 3.75, Mean: 4.07, Mean: 4.09, Mean: 3.30
2. Were you provided with adequate background information
   - NR: 12, NA: 0, 1: 0, 2: 2, 3: 2, 4: 6, Mean: 3.00, Rank: 224/244, Mean: 3.00, Mean: 4.12, Mean: 4.09, Mean: 4.24
3. Were necessary materials available for lab activities
   - NR: 12, NA: 0, 1: 0, 2: 2, 3: 2, 4: 5, Mean: 4.00, Rank: 179/227, Mean: 4.00, Mean: 4.49, Mean: 4.40, Mean: 4.58
4. Did the lab instructor provide assistance
   - NR: 12, NA: 0, 1: 0, 2: 0, 3: 1, 4: 4, Mean: 4.17, Rank: 146/225, Mean: 4.17, Mean: 4.40, Mean: 4.23, Mean: 4.52
5. Were requirements for lab reports clearly specified
   - NR: 12, NA: 0, 1: 0, 2: 3, 3: 2, 4: 6, Mean: 4.00, Rank: 106/207, Mean: 4.00, Mean: 4.22, Mean: 4.09, Mean: 4.22

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### General

1. Did you gain new insights, skills from this course  
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   - Frequencies: 0, 1, 1, 3, 12, 7  
   - Instructions: 3.96 1143/1504, 3.96 4.24, 4.27 4.26, 3.96 4.26

2. Did the instructor make clear the expected goals  
   - Questionnaire: NR, NA, 0, 2, 7, 10, 5  
   - Instructions: 3.75 1207/1503, 3.75 4.22, 4.20 4.18, 3.75 4.26

3. Did the exam questions reflect the expected goals  
   - Questionnaire: NR, NA, 0, 1, 8, 6, 9  
   - Instructions: 3.96 979/1290, 3.96 4.32, 4.28 4.27, 3.96 4.28

4. Did other evaluations reflect the expected goals  
   - Questionnaire: NR, NA, 0, 1, 3, 12, 8  
   - Instructions: 4.22 821/1453, 4.22 4.22, 4.21 4.20, 4.22 4.22

5. Did assigned readings contribute to what you learned  
   - Questionnaire: NR, NA, 0, 1, 4, 5, 2, 2  
   - Instructions: 3.00 1305/1421, 3.00 4.08, 4.00 3.90, 3.00 4.00

6. Did written assignments contribute to what you learned  
   - Questionnaire: NR, NA, 0, 0, 1, 6, 8, 9  
   - Instructions: 4.04 759/1365, 4.04 4.11, 4.08 4.00, 4.04 4.00

7. Was the grading system clearly explained  
   - Questionnaire: NR, NA, 0, 0, 9, 5, 10  
   - Instructions: 4.04 969/1485, 4.04 4.20, 4.16 4.15, 4.04 4.15

8. How many times was class cancelled  
   - Questionnaire: NR, NA, 0, 1, 5, 9, 9  
   - Instructions: 4.08 1389/1504, 4.08 4.68, 4.69 4.68, 4.08 4.68

9. How would you grade the overall teaching effectiveness  
   - Questionnaire: NR, NA, 0, 0, 0, 1, 2, 3  
   - Instructions: 3.67 947/1312, 3.67 4.12, 4.00 3.98, 3.67 4.02

### Lecture

1. Were the instructor's lectures well prepared  
   - Questionnaire: NR, NA, 1, 0, 1, 2  
   - Instructions: 3.60 ****/1425, 3.29 4.41, 4.41 4.40, 3.29 4.40

2. Did the instructor seem interested in the subject  
   - Questionnaire: NR, NA, 18, 0, 0, 2, 1  
   - Instructions: 4.17 1296/1426, 4.33 4.72, 4.69 4.71, 4.33 4.71

3. Was lecture material presented and explained clearly  
   - Questionnaire: NR, NA, 18, 0, 0, 1, 1, 2  
   - Instructions: 3.83 1128/1418, 3.54 4.29, 4.25 4.22, 3.54 4.22

4. Did the lectures contribute to what you learned  
   - Questionnaire: NR, NA, 18, 0, 1, 0, 1, 3  
   - Instructions: 3.83 1131/1416, 3.84 4.34, 4.26 4.24, 3.84 4.24

5. Did audiovisual techniques enhance your understanding  
   - Questionnaire: NR, NA, 19, 0, 0, 1, 0, 1, 3  
   - Instructions: 3.60 ****/1199, 4.20 4.34, 4.25 4.21, 3.60 4.21

### Discussion

1. Did class discussions contribute to what you learned  
   - Questionnaire: NR, NA, 18, 0, 0, 0, 3, 2, 1  
   - Instructions: 3.67 947/1312, 3.67 4.12, 4.00 3.98, 3.67 3.98

2. Were all students actively encouraged to participate  
   - Questionnaire: NR, NA, 18, 0, 0, 0, 2, 0, 4  
   - Instructions: 4.33 737/1303, 4.33 4.39, 4.24 4.23, 4.33 4.23

3. Did the instructor encourage fair and open discussion  
   - Questionnaire: NR, NA, 18, 0, 0, 1, 0, 2, 1  
   - Instructions: 3.83 1131/1416, 3.84 4.34, 4.26 4.24, 3.84 4.24

4. Were special techniques successful  
   - Questionnaire: NR, NA, 18, 2, 0, 0, 2, 1, 1  
   - Instructions: 3.75 ****/758, 4.05 4.01, 3.89 ****, 3.75 ****

### Laboratory

1. Did the lab increase understanding of the material  
   - Questionnaire: NR, NA, 12, 0, 1, 1, 2, 4, 4  
   - Instructions: 3.75 176/233, 3.75 4.07, 4.09 4.30, 3.75 4.30

2. Were you provided with adequate background information  
   - Questionnaire: NR, NA, 12, 0, 2, 2, 2, 6, 0  
   - Instructions: 3.00 224/244, 3.00 4.12, 4.09 4.24, 3.00 4.24

3. Were necessary materials available for lab activities  
   - Questionnaire: NR, NA, 12, 0, 1, 2, 4, 5, 4, 0  
   - Instructions: 4.00 179/227, 4.00 4.49, 4.40 4.58, 4.00 4.58

4. Did the lab instructor provide assistance  
   - Questionnaire: NR, NA, 12, 0, 1, 0, 1, 4, 6  
   - Instructions: 4.17 146/225, 4.17 4.40, 4.23 4.52, 4.17 4.52

5. Were requirements for lab reports clearly specified  
   - Questionnaire: NR, NA, 12, 0, 1, 0, 3, 2, 6  
   - Instructions: 4.00 106/207, 4.00 4.22, 4.09 4.22, 4.00 4.22

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Course-Section: ENCH 427 0101 University of Maryland
## Student Course Evaluation Questionnaire

### General

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### Seminar

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*Note: **** - Means there are not enough responses to be significant*
### Questions

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### Lecture

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### Discussion

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Course-Section: ENCH 441 0101
## General

1. Did you gain new insights, skills from this course  
   | 1 | 0 | 1 | 4 | 5 | 0 | 3.18 | 1429/1504 | 3.18 | 4.24 | 4.27 | 4.33 | 3.18 |
2. Did the instructor make clear the expected goals  
   | 1 | 0 | 0 | 0 | 4 | 4 | 3.91 | 1136/1503 | 3.91 | 4.22 | 4.20 | 4.18 | 3.91 |
3. Did the exam questions reflect the expected goals  
   | 1 | 0 | 0 | 0 | 0 | 1 | 5.00 | ****/1290 | **** | 4.32 | 4.28 | 4.32 | **** |
4. Did other evaluations reflect the expected goals  
   | 1 | 1 | 1 | 1 | 4 | 3 | 3.70 | 1214/1453 | 3.70 | 4.22 | 4.21 | 4.22 | 3.70 |
5. Did assigned readings contribute to what you learned  
   | 1 | 7 | 1 | 0 | 1 | 2 | 3.50 | 1113/1421 | 3.50 | 4.08 | 4.00 | 4.02 | 3.50 |
6. Did written assignments contribute to what you learned  
   | 1 | 5 | 2 | 1 | 2 | 1 | 3.33 | 1225/1365 | 3.33 | 4.08 | 4.09 | 4.33 | 3.33 |
7. Was the grading system clearly explained  
   | 1 | 0 | 0 | 2 | 1 | 1 | 4.18 | 842/1485 | 4.18 | 4.20 | 4.16 | 4.14 | 4.18 |
8. How many times was class cancelled  
   | 1 | 0 | 0 | 0 | 0 | 0 | 11 | 5.00 | 1/1504 | 5.00 | 4.68 | 4.69 | 4.73 | 5.00 |
9. How would you grade the overall teaching effectiveness  
   | 2 | 0 | 0 | 0 | 1 | 5 | 4.30 | 580/1483 | 4.30 | 4.07 | 4.06 | 4.11 | 4.30 |

## Lecture

1. Were the instructor's lectures well prepared  
   | 2 | 0 | 0 | 0 | 0 | 6 | 4.40 | 900/1425 | 4.40 | 4.41 | 4.41 | 4.38 | 4.40 |
2. Did the instructor seem interested in the subject  
   | 3 | 0 | 0 | 0 | 0 | 2 | 7 | 4.78 | 790/1426 | 4.78 | 4.72 | 4.72 | 4.72 | 4.78 |
3. Was lecture material presented and explained clearly  
   | 3 | 0 | 0 | 0 | 1 | 4 | 4.33 | 772/1418 | 4.33 | 4.29 | 4.25 | 4.25 | 4.33 |
4. Did the lectures contribute to what you learned  
   | 2 | 0 | 0 | 0 | 1 | 6 | 4.20 | 921/1416 | 4.20 | 4.34 | 4.26 | 4.26 | 4.20 |
5. Did audiovisual techniques enhance your understanding  
   | 4 | 2 | 0 | 0 | 0 | 2 | 4 | 4.67 | 177/1199 | 4.67 | 3.97 | 4.05 | 4.05 | 4.67 |

## Discussion

1. Did class discussions contribute to what you learned  
   | 7 | 0 | 0 | 0 | 1 | 1 | 3 | 4.40 | 465/1312 | 4.40 | 4.12 | 4.00 | 4.07 | 4.40 |
2. Were all students actively encouraged to participate  
   | 7 | 0 | 0 | 0 | 0 | 2 | 3 | 4.60 | 507/1303 | 4.60 | 4.39 | 4.24 | 4.34 | 4.60 |
3. Did the instructor encourage fair and open discussion  
   | 7 | 0 | 0 | 0 | 0 | 1 | 4 | 4.80 | 303/1299 | 4.80 | 4.34 | 4.25 | 4.38 | 4.80 |
4. Were special techniques successful  
   | 7 | 1 | 0 | 0 | 1 | 2 | 4.25 | 304/ 758 | 4.25 | 4.05 | 4.01 | 4.17 | 4.25 |

## Laboratory

1. Did the lab increase understanding of the material  
   | 7 | 0 | 0 | 0 | 1 | 2 | 2 | 4.20 | 124/ 233 | 4.20 | 4.07 | 3.78 | 4.20 |
2. Were you provided with adequate background information  
   | 7 | 0 | 0 | 0 | 0 | 1 | 3 | 3.80 | 179/ 244 | 3.80 | 4.07 | 3.56 | 3.80 |
3. Were necessary materials available for lab activities  
   | 7 | 0 | 0 | 0 | 0 | 1 | 4 | 4.60 | 102/ 227 | 4.60 | 4.49 | 4.40 | 4.16 | 4.60 |
4. Did the lab instructor provide assistance  
   | 8 | 0 | 0 | 0 | 0 | 0 | 4 | 5.00 | 1/ 225 | 5.00 | 4.40 | 4.23 | 3.81 | 5.00 |
5. Were requirements for lab reports clearly specified  
   | 8 | 3 | 0 | 0 | 0 | 0 | 1 | 5.00 | ****/ 207 | **** | 4.22 | 4.09 | 3.69 | **** |

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University of Maryland  
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### Questions

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<td>8. How many times was class cancelled</td>
<td>0 0 0 0 0 13</td>
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<td>4.69</td>
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<td>9. How would you grade the overall teaching effectiveness</td>
<td>2 0 0 0 5 5</td>
<td>Mean 3.93 961/1483</td>
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<td>4.07</td>
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### Lecture

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<tr>
<td>1. Were the instructor's lectures well prepared</td>
<td>NR 0 0 0 3 5</td>
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<td>2. Did the instructor seem interested in the subject</td>
<td>NA 0 0 1 1 3 11</td>
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<td>3. Was lecture material presented and explained clearly</td>
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<td>Mean 4.06 993/1418</td>
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<td>5. Did audiovisual techniques enhance your understanding</td>
<td>1 9 1 1 0 2 2</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>3. Did the instructor encourage fair and open discussion</td>
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# Student Course Evaluation Questionnaire

## Questions

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<th>Course Dept</th>
<th>UMBC Level</th>
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<tr>
<td>1. Did you gain new insights, skills from this course?</td>
<td>NR 1 0 1 0</td>
<td>4.63 2 3 4</td>
<td>4.63 4.24 4.27 4.33 4.63</td>
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<td>2. Did the instructor make clear the expected goals?</td>
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<td>3. Did the exam questions reflect the expected goals?</td>
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<td>5. Did assigned readings contribute to what you learned?</td>
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<td>7. Was the grading system clearly explained?</td>
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<td>8. How many times was class cancelled?</td>
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<td>3. Was lecture material presented and explained clearly?</td>
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<td>5. Did audiovisual techniques enhance your understanding?</td>
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## Discussion

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<tr>
<td>2. Were all students actively encouraged to participate?</td>
<td>NR 14 0 1 0</td>
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<td>3.00 4.39 4.24 4.34 ****</td>
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<td>3. Did the instructor encourage fair and open discussion?</td>
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<td>4. Were special techniques successful?</td>
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<tr>
<td>1. Did you gain new insights, skills from this course</td>
<td>3 0 0 2 5 3 4</td>
<td>3.64</td>
<td>1309/1504</td>
<td>3.64</td>
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<td>2. Did the instructor make clear the expected goals</td>
<td>3 0 2 0 7 3 2</td>
<td>3.21</td>
<td>1388/1503</td>
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<td>3. Did the exam questions reflect the expected goals</td>
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<td>1116/1290</td>
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<td>4. Did other evaluations reflect the expected goals</td>
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<td>1222/1421</td>
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<td>6. Did written assignments contribute to what you learned</td>
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<td>981/1365</td>
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<td>7. Was the grading system clearly explained</td>
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<td>8. How many times was class cancelled</td>
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<td>1255/1504</td>
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<td>9. How would you grade the overall teaching effectiveness</td>
<td>5 0 0 3 6 0 3</td>
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### Lecture

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<td>3. Was lecture material presented and explained clearly</td>
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<td>1320/1418</td>
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<td>3.25 ***/1199 ****</td>
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### Discussion

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<td>3. Did the instructor encourage fair and open discussion</td>
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<td>4. Were special techniques successful</td>
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<td>4. Did presentations contribute to what you learned</td>
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<td>5. Were criteria for grading made clear</td>
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### Frequency Distribution

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University of Maryland
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Course-Section: ENCH 630 0101 University of Maryland
### Students Course Evaluation Questionnaire

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Course-Section: ENCH 640 0101 University of Maryland
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### Frequency Distribution

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<th>Credits Earned</th>
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Course-Section: ENCH 666  0101
### General

<table>
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<th>Course Dept</th>
<th>UMBC Level</th>
<th>Sect</th>
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<tbody>
<tr>
<td>1. Did you gain new insights, skills from this course</td>
<td>0 0 0 0 0 1 5</td>
<td>4.83</td>
<td>183/1504</td>
<td>4.83</td>
<td>4.24</td>
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<td>2. Did the instructor make clear the expected goals</td>
<td>0 0 0 0 1 2 3</td>
<td>4.33</td>
<td>751/1503</td>
<td>4.33</td>
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<td>3. Did the exam questions reflect the expected goals</td>
<td>0 1 0 1 2 2 1</td>
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<td>1253/1453</td>
<td>3.60</td>
<td>4.22</td>
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<td>4. Did other evaluations reflect the expected goals</td>
<td>0 3 0 0 1 0 2</td>
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<td>479/1421</td>
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<td>5. Did assigned readings contribute to what you learned</td>
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<td>1365</td>
<td>4.33</td>
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<td>6. Did written assignments contribute to what you learned</td>
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<td>983/1504</td>
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<td>7. Was the grading system clearly explained</td>
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<td>8. How many times was class cancelled</td>
<td>0 0 0 0 0 0 2</td>
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<td>983/1504</td>
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<td>9. How would you grade the overall teaching effectiveness</td>
<td>2 0 0 0 1 2 1</td>
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### Lecture

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<tr>
<td>1. Were the instructor's lectures well prepared</td>
<td>1 0 0 0 0 2 3</td>
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<td>665/1425</td>
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<td>2. Did the instructor seem interested in the subject</td>
<td>1 0 0 0 0 0 5</td>
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<td>3. Was lecture material presented and explained clearly</td>
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<td>4. Did the lectures contribute to what you learned</td>
<td>1 0 0 0 0 1 4</td>
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<td>255/1416</td>
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<td>5. Did audiovisual techniques enhance your understanding</td>
<td>2 0 0 0 0 1 3</td>
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### Discussion

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<tbody>
<tr>
<td>1. Did class discussions contribute to what you learned</td>
<td>1 0 0 0 2 0 3</td>
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<td>632/1312</td>
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<td>2. Were all students actively encouraged to participate</td>
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<td>3. Did the instructor encourage fair and open discussion</td>
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<td>4. Were special techniques successful</td>
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### Seminar

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