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## Student Course Evaluation Questionnaire

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Grad. - Means there are not enough responses to be significant
## Student Course Evaluation Questionnaire

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3. Were your contacts with the instructor helpful | 28 0 0 0 1 0 1 | 4.00 ****/ | 36 **** **** | 4.60 4.48 ****
4. Was the feedback/tutoring by proctors helpful | 28 0 0 0 1 0 1 | 4.00 ****/ | 20 **** **** | 4.24 4.92 ****
5. Were there enough proctors for all the students | 28 0 0 0 1 0 1 | 4.00 ****/ | 16 **** **** | 4.51 5.00 ****
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## Frequency Distribution

- Required for Majors: 8
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- Electives: 2
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- Other: 15

### Notes

- Number of responses is not enough to be significant.
### General

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### Frequency Distribution

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- Grad. - Means there are not enough responses to be significant.

Enrollment: 32
Questionnaires: 22

Student Course Evaluation Questionnaire
### Student Course Evaluation Questionnaire

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## Student Course Evaluation Questionnaire

| Questions                                                                 | NR | NA | 1  | 2  | 3  | 4  | 5  | Mean  | Rank | Mean  | Mean  | Mean  | Mean  | Mean  | Mean  | Mean  | Mean  |
|---------------------------------------------------------------------------|----|----|----|----|----|----|----|-------|------|-------|-------|-------|-------|-------|-------|-------|
| General                                                                   |    |    |    |    |    |    |    |       |      |       |       |       |       |       |       |       |
| 1. Did you gain new insights, skills from this course                     | 1  | 0  | 1  | 4  | 6  |    | 3  | 3.60  | 1322/1504 | 4.17 | 4.21 | 4.27 | 4.13  | 3.60  |
| 2. Did the instructor make clear the expected goals                       | 1  | 0  | 0  | 1  | 3  | 8  | 3  | 3.87  | 1154/1503 | 4.35 | 4.26 | 4.20 | 4.16  | 3.87  |
| 3. Did the exam questions reflect the expected goals                       | 1  | 0  | 0  | 1  | 2  | 8  | 4  | 4.00  | 937/1290  | 4.46 | 4.39 | 4.28 | 4.19  | 4.00  |
| 4. Did other evaluations reflect the expected goals                        | 1  | 3  | 2  | 1  | 3  | 4  | 2  | 3.25  | 1366/1453 | 4.06 | 4.16 | 4.21 | 4.11  | 3.25  |
| 5. Did assigned readings contribute to what you learned                    | 1  | 7  | 2  | 1  | 3  | 1  | 1  | 2.75  | 1368/1421 | 3.61 | 3.90 | 4.00 | 3.91  | 2.75  |
| 6. Did written assignments contribute to what you learned                  | 1  | 3  | 3  | 2  | 3  | 3  | 1  | 2.75  | 1329/1365 | 3.79 | 4.06 | 4.08 | 3.96  | 2.75  |
| 7. Was the grading system clearly explained                                | 1  | 0  | 0  | 0  | 4  | 8  | 3  | 3.93  | 1057/1485 | 4.27 | 4.32 | 4.16 | 4.13  | 3.93  |
| 8. How many times was class cancelled                                       | 1  | 0  | 0  | 0  | 0  | 12 | 3  | 4.20  | 1314/1504 | 4.35 | 4.53 | 4.69 | 4.66  | 4.20  |
| 9. How would you grade the overall teaching effectiveness                  | 2  | 0  | 0  | 1  | 4  | 7  | 2  | 3.71  | 1147/1483 | 3.93 | 4.07 | 4.06 | 3.97  | 3.71  |
| Lecture                                                                   |    |    |    |    |    |    |    |       |      |       |       |       |       |       |       |       |
| 1. Were the instructor’s lectures well prepared                            | 1  | 0  | 0  | 1  | 1  | 5  | 8  | 4.33  | 971/1425  | 4.67 | 4.58 | 4.41 | 4.36  | 4.33  |
| 2. Did the instructor seem interested in the subject                       | 1  | 0  | 0  | 0  | 2  | 6  | 7  | 4.33  | 1232/1426 | 4.55 | 4.67 | 4.69 | 4.56  | 4.33  |
| 3. Was lecture material presented and explained clearly                    | 1  | 0  | 0  | 1  | 4  | 6  | 4  | 3.87  | 1115/1418 | 4.39 | 4.30 | 4.25 | 4.20  | 3.87  |
| 4. Did the lectures contribute to what you learned                         | 1  | 0  | 0  | 0  | 5  | 3  | 7  | 4.13  | 969/1416  | 4.44 | 4.37 | 4.26 | 4.21  | 4.13  |
| 5. Did audiovisual techniques enhance your understanding                   | 1  | 5  | 1  | 1  | 5  | 2  | 1  | 3.10  | 1042/1199 | 3.90 | 3.90 | 3.97 | 3.82  | 3.10  |
| Discussion                                                                |    |    |    |    |    |    |    |       |      |       |       |       |       |       |       |       |
| 1. Did class discussions contribute to what you learned                    | 11 | 0  | 1  | 1  | 1  | 2  | 0  | 2.80  | 1200/1312 | 3.69 | 3.83 | 4.00 | 3.69  | 2.80  |
| 2. Were all students actively encouraged to participate                    | 11 | 0  | 2  | 0  | 1  | 1  | 1  | 2.80  | 1228/1303 | 3.86 | 4.12 | 4.24 | 3.93  | 2.80  |
| 3. Did the instructor encourage fair and open discussion                   | 11 | 0  | 1  | 0  | 1  | 1  | 2  | 3.60  | 1092/1299 | 4.19 | 4.22 | 4.25 | 3.94  | 3.60  |
| 4. Were special techniques successful                                       | 11 | 3  | 1  | 0  | 0  | 1  | 0  | 2.50  | ****/ 758 | 3.73 | 3.71 | 4.01 | 3.80  | **** |

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### Student Course Evaluation Questionnaire

#### General

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

#### Lecture

1. Were the instructor’s lectures well prepared
2. Did the instructor seem interested in the subject
3. Was lecture material presented and explained clearly
4. Did the lectures contribute to what you learned
5. Did audiovisual techniques enhance your understanding

#### Discussion

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

#### Frequency Distribution

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Student Course Evaluation Questionnaire

Questions | NR | NA | 1  | 2  | 3  | 4  | 5  | Mean | Rank | Mean | Mean | Mean | Mean | Mean | Mean
--------|----|----|----|----|----|----|----|------|------|------|------|------|------|------|------
General
1. Did you gain new insights, skills from this course | 0  | 0  | 0  | 9  | 10 | 12 | 4.10 | 1052/1504 | 4.17 | 4.21 | 4.27 | 4.13 | 4.10
2. Did the instructor make clear the expected goals | 0  | 0  | 0  | 2  | 13 | 16 | 4.45 | 572/1503  | 4.35 | 4.26 | 4.20 | 4.16 | 4.45
3. Did the exam questions reflect the expected goals | 0  | 0  | 1  | 6  | 6  | 17 | 4.19 | 832/1290  | 4.46 | 4.39 | 4.28 | 4.19 | 4.19
4. Did other evaluations reflect the expected goals | 0  | 3  | 1  | 6  | 5  | 13 | 3.93 | 1083/1453 | 4.06 | 4.16 | 4.21 | 4.11 | 3.93
5. Did assigned readings contribute to what you learned | 0  | 4  | 2  | 0  | 10 | 7  | 3.70 | 991/1421  | 3.61 | 3.90 | 4.00 | 3.91 | 3.70
6. Did written assignments contribute to what you learned | 0  | 2  | 6  | 4  | 4  | 9  | 3.14 | 1278/1365 | 3.79 | 4.06 | 4.08 | 3.96 | 3.14
7. Was the grading system clearly explained | 0  | 0  | 1  | 3  | 7  | 20 | 4.48 | 482/1485  | 4.27 | 4.32 | 4.16 | 4.13 | 4.48
8. How many times was class cancelled | 0  | 0  | 1  | 6  | 21 | 3  | 3.81 | 1461/1504 | 4.35 | 4.53 | 4.69 | 4.66 | 3.81
9. How would you grade the overall teaching effectiveness | 9  | 1  | 0  | 9  | 6  | 6  | 3.86 | 1041/1483 | 3.93 | 4.07 | 4.06 | 3.97 | 3.86

Lecture
1. Were the instructor’s lectures well prepared | 1  | 0  | 0  | 1  | 5  | 24 | 4.77 | 402/1425  | 4.67 | 4.58 | 4.41 | 4.36 | 4.77
2. Did the instructor seem interested in the subject | 2  | 0  | 0  | 0  | 9  | 20 | 4.69 | 940/1426  | 4.55 | 4.67 | 4.69 | 4.56 | 4.69
3. Was lecture material presented and explained clearly | 2  | 0  | 0  | 4  | 6  | 19 | 4.52 | 565/1418  | 4.39 | 4.30 | 4.25 | 4.20 | 4.52
4. Did the lectures contribute to what you learned | 2  | 0  | 2  | 5  | 7  | 15 | 4.21 | 913/1416  | 4.44 | 4.37 | 4.26 | 4.21 | 4.21
5. Did audiovisual techniques enhance your understanding | 3  | 4  | 1  | 2  | 5  | 14 | 4.21 | 536/1199  | 3.90 | 3.90 | 3.97 | 3.82 | 4.21

Discussion
1. Did class discussions contribute to what you learned | 14 | 0  | 2  | 2  | 5  | 2  | 3.47 | 1023/1312 | 3.69 | 3.83 | 4.00 | 3.69 | 3.47
2. Were all students actively encouraged to participate | 14 | 0  | 2  | 1  | 2  | 10 | 4.00 | 910/1303  | 3.86 | 4.12 | 4.24 | 3.93 | 4.00
3. Did the instructor encourage fair and open discussion | 14 | 0  | 0  | 4  | 3  | 10 | 4.35 | 723/1299  | 4.19 | 4.22 | 4.25 | 3.94 | 4.35
4. Were special techniques successful | 14 | 10 | 2  | 1  | 0  | 2  | 3.14 | 758/1199  | 3.73 | 3.71 | 4.01 | 3.80 | ****

Frequency Distribution

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### General

1. Did you gain new insights, skills from this course
   - Mean: 4.34
   - Rank: 4.17
   - Enrolled: 37

2. Did the instructor make clear the expected goals
   - Mean: 4.51
   - Rank: 4.26

3. Did the exam questions reflect the expected goals
   - Mean: 4.54
   - Rank: 4.39

4. Did other evaluations reflect the expected goals
   - Mean: 4.10
   - Rank: 4.16

5. Did assigned readings contribute to what you learned
   - Mean: 4.13
   - Rank: 4.13

6. Did written assignments contribute to what you learned
   - Mean: 3.68
   - Rank: 4.08

7. Was the grading system clearly explained
   - Mean: 4.57
   - Rank: 4.27

8. How many times was class cancelled
   - Mean: 3.59
   - Rank: 4.35

9. How would you grade the overall teaching effectiveness
   - Mean: 4.31
   - Rank: 3.97

### Lecture

1. Were the instructor's lectures well prepared
   - Mean: 4.89

2. Did the instructor seem interested in the subject
   - Mean: 4.83

3. Was lecture material presented and explained clearly
   - Mean: 4.77

4. Did the lectures contribute to what you learned
   - Mean: 4.62

5. Did audiovisual techniques enhance your understanding
   - Mean: 4.40

### Discussion

1. Did class discussions contribute to what you learned
   - Mean: 4.28

2. Were all students actively encouraged to participate
   - Mean: 4.44

3. Did the instructor encourage fair and open discussion
   - Mean: 4.61

4. Were special techniques successful
   - Mean: 3.30

### Laboratory

1. Did the lab increase understanding of the material
   - Mean: 5.00

2. Were you provided with adequate background information
   - Mean: 4.50

3. Were necessary materials available for lab activities
   - Mean: 5.00

4. Did the lab instructor provide assistance
   - Mean: 5.00

5. Were requirements for lab reports clearly specified
   - Mean: 5.00

### Seminar

1. Did self-paced system contribute to what you learned
   - Mean: 5.00

### Field Work

1. Did field work contribute to what you learned
   - Mean: 3.00

### Self Paced

1. Did self-paced system contribute to what you learned
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### Student Course Evaluation Questionnaire

#### General

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- **Required for Majors**
- **Graduate**
- **Major**
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- **Electives**
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responses to be significant
## Questionnaires: 15

### Student Course Evaluation Questionnaire

#### General

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

#### Lecture

1. Were the instructor's lectures well prepared
2. Did the instructor seem interested in the subject
3. Was lecture material presented and explained clearly
4. Did the lectures contribute to what you learned
5. Did audiovisual techniques enhance your understanding

#### Discussion

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

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*Job IRBR3029*
### Student Course Evaluation Questionnaire

**Questions** | **Frequencies** | **Instructor** | **Course** | **UMBC** | **Sect**
--- | --- | --- | --- | --- | ---
| | **NR** | **NA** | **1** | **2** | **3** | **4** | **5** | **Mean** | **Rank** | **Mean** | **Mean** | **Mean** | **Mean** | **Mean**

#### General

1. Did you gain new insights, skills from this course | 1 | 0 | 0 | 0 | 2 | 4 | 18 | 4.67 | 357/1504 | 4.50 | 4.21 | 4.27 | 4.13 | 4.67
2. Did the instructor make clear the expected goals | 1 | 0 | 0 | 0 | 1 | 2 | 21 | 4.83 | 151/1503 | 4.64 | 4.26 | 4.20 | 4.16 | 4.83
3. Did the exam questions reflect the expected goals | 1 | 0 | 0 | 0 | 0 | 4 | 20 | 4.83 | 180/1290 | 4.65 | 4.39 | 4.28 | 4.19 | 4.83
4. Did other evaluations reflect the expected goals | 1 | 5 | 0 | 0 | 2 | 5 | 12 | 4.53 | 418/1453 | 4.42 | 4.16 | 4.21 | 4.11 | 4.53
5. Did assigned readings contribute to what you learned | 1 | 3 | 0 | 1 | 5 | 8 | 7 | 4.00 | 745/1421 | 4.13 | 3.90 | 4.00 | 3.91 | 4.00
6. Did written assignments contribute to what you learned | 1 | 4 | 1 | 0 | 2 | 6 | 11 | 4.30 | 525/1365 | 4.31 | 4.06 | 4.08 | 3.96 | 4.30
7. Was the grading system clearly explained | 1 | 0 | 0 | 0 | 0 | 2 | 22 | 4.92 | 188/1421 | 4.71 | 4.32 | 4.16 | 4.13 | 4.92
8. How many times was class cancelled | 1 | 0 | 0 | 0 | 1 | 0 | 23 | 4.92 | 88/1421 | 4.93 | 4.53 | 4.69 | 4.66 | 4.92
9. How would you rate the overall teaching effectiveness | 5 | 0 | 0 | 0 | 1 | 6 | 13 | 4.60 | 258/1421 | 4.41 | 4.07 | 4.06 | 3.97 | 4.60

#### Lecture

1. Were the instructor’s lectures well prepared | 2 | 0 | 0 | 0 | 0 | 0 | 23 | 5.00 | 1/1425 | 4.82 | 4.58 | 4.41 | 4.36 | 5.00
2. Did the instructor seem interested in the subject | 2 | 0 | 0 | 0 | 0 | 0 | 23 | 5.00 | 1/1425 | 4.87 | 4.67 | 4.69 | 4.56 | 5.00
3. Was lecture material presented and explained clearly | 2 | 0 | 0 | 0 | 2 | 1 | 20 | 4.78 | 219/1418 | 4.62 | 4.30 | 4.25 | 4.20 | 4.78
4. Did the lectures contribute to what you learned | 2 | 0 | 0 | 0 | 0 | 2 | 21 | 4.91 | 127/1416 | 4.61 | 4.37 | 4.26 | 4.21 | 4.91
5. Did audiovisual techniques enhance your understanding | 3 | 0 | 0 | 1 | 0 | 1 | 4 | 4.17 | 1199 | 3.90 | 3.90 | 3.97 | 3.82 | ****

#### Discussion

1. Did class discussions contribute to what you learned | 8 | 0 | 0 | 0 | 4 | 3 | 10 | 4.35 | 512/1312 | 4.24 | 3.83 | 4.00 | 3.69 | 4.35
2. Were all students actively encouraged to participate | 8 | 0 | 0 | 0 | 5 | 1 | 11 | 4.59 | 518/1303 | 4.50 | 4.12 | 4.24 | 3.93 | 4.59
3. Did the instructor encourage fair and open discussion | 8 | 0 | 1 | 0 | 2 | 5 | 9 | 4.24 | 810/1299 | 4.45 | 4.22 | 4.25 | 3.94 | 4.24
4. Were special techniques successful | 7 | 15 | 0 | 0 | 0 | 1 | 2 | 4.67 | 758 | 3.00 | 3.71 | 4.01 | 3.80 | ****

### Frequency Distribution

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*Notes:*
- *NR* stands for Not Rated.
- *NA* stands for Not Answered.
- *Type* fields indicate the type of response distribution for each question.
- *Majors* refers to the number of students in each major category.

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*Job IRBR3029*

*Page 468*
Student Course Evaluation Questionnaire

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### Student Course Evaluation Questionnaire

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### Student Course Evaluation Questionnaire

#### General

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#### Laboratory

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#### Field Work

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| Lecture                                                                   | NR NA 1 2 3 4 5 | 4.06 1147/1425 | 4.11 4.58 | 4.41 4.36 |
| 1. Were the instructor’s lectures well prepared                           | 0 0 0 0 5 6 6 | 4.25 1268/1426 | 4.25 4.67 | 4.56 4.25 |
| 2. Did the instructor seem interested in the subject                      | 1 0 0 1 1 7 7 | 4.32 1132/1418 | 3.95 4.30 | 4.25 3.82 |
| 3. Was lecture material presented and explained clearly                   | 0 0 0 1 5 7 4 | 3.65 1205/1416 | 3.90 4.37 | 4.26 4.21 |
| 4. Did the lectures contribute to what you learned                        | 0 0 1 1 6 4 5 | 3.50 1011/1312 | 3.50 3.83 | 4.00 3.50 |
| 5. Did audiovisual techniques enhance your understanding                  | 0 9 1 3 1 1 2 | 3.00 1050/1199 | 3.07 3.90 | 3.97 3.82 |

| Discussion                                                                | NR NA 1 2 3 4 5 | 4.30 563/1303 | 3.71 4.01 | 3.80 3.50 |
| 1. Did class discussions contribute to what you learned                   | 11 0 1 1 0 2 2 | 3.50 1011/1312 | 3.50 3.83 | 4.00 3.69 |
| 2. Were all students actively encouraged to participate                    | 11 0 0 0 3 3 | 4.50 563/1303 | 4.50 4.12 | 4.24 3.93 |
| 3. Did the instructor encourage fair and open discussion                   | 11 0 0 0 1 3 2 | 4.17 855/1299 | 4.17 4.22 | 4.25 3.94 |
| 4. Were special techniques successful                                      | 11 5 0 0 0 1 0 | 4.00 ****/ 758 **** | 3.71 4.01 | 3.80 **** |

| Frequency Distribution                                                     | NR NA 1 2 3 4 5 | 4.00 ****/ 758 **** | 3.71 4.01 | 3.80 **** |
|---                                                                        | NR NA 1 2 3 4 5 | 4.00 ****/ 758 **** | 3.71 4.01 | 3.80 **** |
| Credits Earned                                                           | Cum. GPA | Expected Grades | Reasons | Type | Majors |
| 00-27                                                                    | 1 0.00-0.99 | 0 | A 9 | Required for Majors | 0 | Graduate | 0 | Major | 0 |
| 28-55                                                                    | 2 1.00-1.99 | 0 | B 6 | General | 0 | Under-grad | 17 | Non-major | 17 |
| 56-83                                                                    | 1 2.00-2.99 | 2 | C 1 | Electives | 0 | # | | |
| 84-150                                                                  | 6 3.00-3.49 | 5 | D 0 | | | | | |
| Grad.                                                                    | 0 3.50-4.00 | 3 | F 0 | | | | | |
| ?                                                                        | 0 | | P 0 | | | | | |
### General

1. Did you gain new insights, skills from this course
   - Frequency: 0 0 0 1 5 9 10
   - Mean: 4.12 1029/1504
   - Rank: 4.21 4.27 4.13
2. Did the instructor make clear the expected goals
   - Frequency: 1 0 1 0 3 10 10
   - Mean: 4.17 937/1503
   - Rank: 4.14 4.26 4.20
3. Did the exam questions reflect the expected goals
   - Frequency: 0 0 2 0 2 7 14
   - Mean: 4.24 800/1290
   - Rank: 4.30 4.39 4.28
4. Did other evaluations reflect the expected goals
   - Frequency: 0 4 1 3 6 4 7
   - Mean: 3.62 1249/1453
   - Rank: 3.66 4.16 4.21
5. Did assigned readings contribute to what you learned
   - Frequency: 0 3 1 2 1 8 10
   - Mean: 4.09 685/1421
   - Rank: 4.00 3.91 4.09
6. Did written assignments contribute to what you learned
   - Frequency: 0 2 2 5 5 7 14
   - Mean: 3.74 1018/1365
   - Rank: 3.64 4.06 4.08
7. Was the grading system clearly explained
   - Frequency: 0 0 0 2 0 6 17
   - Mean: 4.52 433/1485
   - Rank: 4.38 4.32 4.16
8. How many times was class cancelled
   - Frequency: 0 0 0 0 1 20 4
   - Mean: 4.12 1368/1504
   - Rank: 4.50 4.53 4.69
9. How would you grade the overall teaching effectiveness
   - Frequency: 3 0 1 0 5 13 3
   - Mean: 3.77 1111/1483
   - Rank: 3.49 4.07 4.06

### Lecture

1. Were the instructor's lectures well prepared
   - Frequency: 0 0 1 1 2 10 11
   - Mean: 4.16 1094/1425
   - Rank: 4.11 4.41 4.36
2. Did the instructor seem interested in the subject
   - Frequency: 0 0 1 0 3 9 12
   - Mean: 4.24 1276/1426
   - Rank: 4.25 4.67 4.56
3. Was lecture material presented and explained clearly
   - Frequency: 0 0 1 2 1 11 10
   - Mean: 4.08 987/1418
   - Rank: 3.95 4.30 4.25
4. Did the lectures contribute to what you learned
   - Frequency: 0 0 2 0 3 7 13
   - Mean: 4.16 945/1416
   - Rank: 4.37 4.26 4.21
5. Did audiovisual techniques enhance your understanding
   - Frequency: 1 10 2 2 6 0 4
   - Mean: 3.14 1032/1199
   - Rank: 3.07 3.97 3.82

### Discussion

1. Did class discussions contribute to what you learned
   - Frequency: 19 0 0 1 1 3 3
   - Mean: 3.00 ****/1312
   - Rank: 3.50 3.83 4.00
2. Were all students actively encouraged to participate
   - Frequency: 19 0 0 2 3 1
   - Mean: 2.83 ****/1303
   - Rank: 4.50 4.12 4.24
3. Did the instructor encourage fair and open discussion
   - Frequency: 19 0 1 2 3 0
   - Mean: 3.33 ****/1299
   - Rank: 4.17 4.22 4.25
4. Were special techniques successful
   - Frequency: 19 3 1 0 2 0
   - Mean: 2.33 ****/ 758
   - Rank: 3.71 4.01

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### General

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### Lecture

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<td>3. Was lecture material presented and explained clearly</td>
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### Discussion

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### Laboratory

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### Orientation

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Student Course Evaluation Questionnaire

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### Discussion

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### Student Course Evaluation Questionnaire

#### General
1. Did you gain new insights, skills from this course
   - Responses: 0 0 0 0 2 10 10 Mean = 4.36, Rank = 750/1504
2. Did the instructor make clear the expected goals
   - Responses: 0 0 0 0 11 11 Mean = 4.50, Rank = 495/1503
3. Did the exam questions reflect the expected goals
   - Responses: 0 0 0 1 0 13 Mean = 4.50, Rank = 507/1290
4. Did other evaluations reflect the expected goals
   - Responses: 0 15 1 0 2 3 Mean = 3.86, Rank = 1136/1453
5. Did assigned readings contribute to what you learned
   - Responses: 0 0 0 2 4 6 Mean = 3.95, Rank = 815/1421
6. Did written assignments contribute to what you learned
   - Responses: 2 17 0 0 1 0 Mean = 4.33, Rank = 1365/1453
7. Was the grading system clearly explained
   - Responses: 0 0 1 0 1 5 Mean = 4.50, Rank = 455/1485
8. How many times was class cancelled
   - Responses: 0 0 0 1 0 5 Mean = 4.14, Rank = 1360/1504
9. How would you grade the overall teaching effectiveness
   - Responses: 3 1 0 0 2 14 Mean = 4.00, Rank = 850/1483

#### Lecture
1. Were the instructor's lectures well prepared
   - Responses: 1 0 0 0 0 6 Mean = 4.71, Rank = 492/1425
2. Did the instructor seem interested in the subject
   - Responses: 2 0 0 0 0 6 Mean = 4.70, Rank = 926/1426
3. Was lecture material presented and explained clearly
   - Responses: 1 0 0 1 0 12 Mean = 4.29, Rank = 818/1418
4. Did the lectures contribute to what you learned
   - Responses: 1 0 0 0 2 11 Mean = 4.43, Rank = 727/1416
5. Did audiovisual techniques enhance your understanding
   - Responses: 1 5 0 0 2 11 Mean = 4.56, Rank = 236/1199

#### Discussion
1. Did class discussions contribute to what you learned
   - Responses: 15 0 0 0 0 2 Mean = 4.71, Rank = 221/1312
2. Were all students actively encouraged to participate
   - Responses: 14 0 0 0 0 0 Mean = 4.75, Rank = 356/1303
3. Did the instructor encourage fair and open discussion
   - Responses: 14 0 0 0 1 3 Mean = 4.38, Rank = 705/1299
4. Were special techniques successful
   - Responses: 14 7 0 1 0 0 Mean = 2.00, Rank = 758

#### Laboratory
1. Were you provided with adequate background information
   - Responses: 21 0 0 0 1 0 Mean = 3.00, Rank = 244

#### Field Work
1. Did field experience contribute to what you learned
   - Responses: 21 0 1 0 0 0 Mean = 1.00, Rank = 58
2. Did you clearly understand your evaluation criteria
   - Responses: 21 0 1 0 0 0 Mean = 1.00, Rank = 56

#### Self Paced
1. Did self-paced system contribute to what you learned
   - Responses: 21 0 0 0 0 1 Mean = 4.00, Rank = 40
2. Did study questions make clear the expected goal
   - Responses: 21 0 0 0 0 1 Mean = 4.00, Rank = 35

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<td>1. Did you gain new insights, skills from this course</td>
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### - Means there are not enough responses to be significant.
### Student Course Evaluation Questionnaire

#### General

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#### Lecture

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#### Discussion

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#### Frequency Distribution

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**Lecture**

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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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<td>996/1299</td>
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<td>4. Were special techniques successful</td>
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**Laboratory**

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<td>3. Did research projects contribute to what you learned</td>
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**Self Paced**

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### Notes
- #.## - Means there are not enough responses to be significant.
Questionnaires: 24

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<td>5. Did audiovisual techniques enhance your understanding</td>
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- **Reasons:**
  - Required for Majors
  - Electives
  - Other

- **Type:**
  - Graduate
  - Under-grad

- **Majors:**
  - Major
  - Non-major

---

### Notes
- Student Course Evaluation Questionnaire
- Frequency Distribution
- Credits Earned
- Cum. GPA
- Expected Grades
- Reasons
- Type
- Majors

---

### Interpretation
- The table above provides a frequency distribution of student grades, credits earned, and GPA across different ranges.
- Credits earned range from 0 to 150, with cumulative GPA ranging from 0.00 to 4.00.
- Expected grades range from F to A, with specific reasons for grades such as required for majors or general categories.
- Types include graduate and under-graduate, with majors ranging from major to non-major.
- The notes section highlights categories like Electives and Other, indicating specific reasons for grades.

---

### Additional Information
- This document is from a student course evaluation questionnaires.
- The data is organized to show how students have performed in terms of credits, GPA, and expected grades.
- It provides a clear overview of student performance and areas that may need improvement.

---

### Conclusion
- The data is valuable for understanding student performance and identifying areas of focus for improvement.
## Student Course Evaluation Questionnaire

### General
1. Did you gain new insights, skills from this course
   - Frequencies: NR 2, NA 0, 1 0, 2 1, 3 15, 4 15
   - Mean: 4.65
   - Rank: 367/1504
   - Mean: 4.27
   - Mean: 4.65
2. Did the instructor make clear the expected goals
   - Frequencies: NR 2, NA 0, 1 3, 2 15, 3 15
   - Mean: 4.60
   - Rank: 1502/1503
   - Mean: 4.27
   - Mean: 4.60
3. Did the exam questions reflect the expected goals
   - Frequencies: NR 2, NA 0, 1 0, 2 15, 3 15
   - Mean: 4.65
   - Rank: 1290/1290
   - Mean: 4.27
   - Mean: 4.65
4. Did other evaluations reflect the expected goals
   - Frequencies: NR 2, NA 0, 1 2, 2 11, 3 11
   - Mean: 4.53
   - Rank: 1453/1453
   - Mean: 4.27
   - Mean: 4.53
5. Did assigned readings contribute to what you learned
   - Frequencies: NR 2, NA 4, 1 1, 2 1, 3 1
   - Mean: 3.94
   - Rank: 1421/1421
   - Mean: 3.70
   - Mean: 4.01
6. Did written assignments contribute to what you learned
   - Frequencies: NR 2, NA 4, 1 0, 2 1, 3 1
   - Mean: 4.11
   - Rank: 1365/1365
   - Mean: 4.06
   - Mean: 4.08
7. Was the grading system clearly explained
   - Frequencies: NR 2, NA 0, 1 2, 2 1, 3 1
   - Mean: 4.75
   - Rank: 1485/1485
   - Mean: 4.66
   - Mean: 4.31
8. How many times was class cancelled
   - Frequencies: NR 2, NA 0, 1 2, 2 1, 3 1
   - Mean: 3.75
   - Rank: 1504/1504
   - Mean: 4.53
   - Mean: 4.65
9. How would you grade the overall teaching effectiveness
   - Frequencies: NR 4, NA 0, 1 1, 2 1, 3 8
   - Mean: 4.11
   - Rank: 1483/1483
   - Mean: 4.08
   - Mean: 4.11

### Lecture
1. Were the instructor's lectures well prepared
   - Frequencies: NR 4, NA 0, 1 1, 2 4, 3 3
   - Mean: 4.56
   - Rank: 1425/1425
   - Mean: 4.68
   - Mean: 4.43
2. Did the instructor seem interested in the subject
   - Frequencies: NR 4, NA 0, 1 0, 2 1, 3 14
   - Mean: 4.67
   - Rank: 1426/1426
   - Mean: 4.73
   - Mean: 4.71
3. Was lecture material presented and explained clearly
   - Frequencies: NR 4, NA 0, 1 0, 2 4, 3 12
   - Mean: 4.56
   - Rank: 1418/1418
   - Mean: 4.48
   - Mean: 4.26
4. Did the lectures contribute to what you learned
   - Frequencies: NR 5, NA 0, 1 0, 2 2, 3 12
   - Mean: 4.53
   - Rank: 1416/1416
   - Mean: 4.43
   - Mean: 4.27
5. Did audiovisual techniques enhance your understanding
   - Frequencies: NR 5, NA 0, 1 0, 2 2, 3 11
   - Mean: 4.41
   - Rank: 1199/1199
   - Mean: 4.46
   - Mean: 4.37

### Discussion
1. Did class discussions contribute to what you learned
   - Frequencies: NR 18, NA 0, 1 0, 2 1, 3 2
   - Mean: 3.75
   - Rank: 1312/1312
   - Mean: 4.00
   - Mean: 4.09
2. Were all students actively encouraged to participate
   - Frequencies: NR 18, NA 0, 1 0, 2 1, 3 2
   - Mean: 4.00
   - Rank: 1303/1303
   - Mean: 4.12
   - Mean: 4.27
3. Did the instructor encourage fair and open discussion
   - Frequencies: NR 18, NA 0, 1 0, 2 1, 3 3
   - Mean: 3.50
   - Rank: 1299/1299
   - Mean: 4.60
   - Mean: 4.30
4. Were special techniques successful
   - Frequencies: NR 18, NA 0, 1 0, 2 1, 3 2
   - Mean: 4.67
   - Rank: 758/758
   - Mean: 3.71
   - Mean: 4.00

### Laboratory
1. Did the lab increase understanding of the material
   - Frequencies: NR 20, NA 1, 0 0, 1 0, 2 1
   - Mean: 5.00
   - Rank: 233/233
   - Mean: 4.00
   - Mean: 4.12
2. Were you provided with adequate background information
   - Frequencies: NR 21, NA 0, 0 0, 0 0, 1 1
   - Mean: 5.00
   - Rank: 244/244
   - Mean: 4.00
   - Mean: 4.20
3. Were necessary materials available for lab activities
   - Frequencies: NR 20, NA 1, 0 0, 1 1
   - Mean: 5.00
   - Rank: 227/227
   - Mean: 4.40
   - Mean: 4.46
4. Did the lab instructor provide assistance
   - Frequencies: NR 21, NA 0, 0 0, 0 0, 1 1
   - Mean: 5.00
   - Rank: 225/225
   - Mean: 4.23
   - Mean: 4.29
5. Were requirements for lab reports clearly specified
   - Frequencies: NR 20, NA 1, 0 0, 0 0, 1 1
   - Mean: 5.00
   - Rank: 207/207
   - Mean: 4.09
   - Mean: 4.14

### Frequency Distribution

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### Notes

- A: Required for Majors
- B: Graduate
- C: General
- D: Under-grad
- F: Non-major
- Other: Not enough responses to be significant
### Student Course Evaluation Questionnaire

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Job IRBR3029
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Student Course Evaluation Questionnaire

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

Lecture
1. Were the instructor's lectures well prepared
2. Did the instructor seem interested in the subject
3. Was lecture material presented and explained clearly
4. Did the lectures contribute to what you learned
5. Did audiovisual techniques enhance your understanding

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

Seminar
1. Were assigned topics relevant to the announced theme
2. Was the instructor available for individual attention
3. Did research projects contribute to what you learned
4. Did presentations contribute to what you learned
5. Were criteria for grading made clear

Frequency Distribution

Credits Earned | Cum. GPA | Expected Grades | Reasons | Type | Majors
--- | --- | --- | --- | --- | ---
00-27 | 0.00-0.99 | 0 | A | Required for Majors | 1 | Graduate | 1 | Major | 3
28-55 | 1.00-1.99 | 0 | B | General | 3 | Under-grad | 8 | Non-major | 6
56-83 | 2.00-2.99 | 1 | C | Electives | 0 | | | |
84-150 | 3.00-3.49 | 1 | D | | | | | |
Grad. | 3.50-4.00 | 2 | F | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

- Mean - Means there are not enough responses to be significant
### General

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### Student Course Evaluation Questionnaire

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- 28-55
- 56-83
- 84-150
- Grad.

**Cum. GPA**

- 0.00-0.99
- 1.00-1.99
- 2.00-2.99
- 3.00-3.49
- 3.50-4.00

**Expected Grades**

- A
- B
- C
- D
- F

**Reasons**

- Required for Majors
- General
- Electives
- Under-grad
- Electives

**Type**

- Graduate
- Under-grad
- Non-major

**Majors**

- Major
- Non-major
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## Questionnaires: 16

### Student Course Evaluation Questionnaire

#### General

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**Note:** The frequency distribution table includes various credits earned, cumulative GPA, expected grades, reasons, types, and majors. The comprehensive data provides insights into the academic performance and engagement with the course content.
## General

1. Did you gain new insights, skills from this course  
   - Frequencies: NR 0, NA 0, 1 4, 2 3, 3 4, 4 7  
   - NR Mean: 4.21, NA Mean: 4.19, 1 Mean: 4.21, 2 Mean: 4.21, 3 Mean: 4.27, 4 Mean: 4.21  
   - Rank: 940/1504, 4.21, 4.21, 4.27, 4.33, 4.21  
   - Mean: 4.21

2. Did the instructor make clear the expected goals  
   - Frequencies: NR 0, NA 0, 1 4, 2 5, 3 4  
   - NR Mean: 3.79, NA Mean: 3.79, 1 Mean: 3.79, 2 Mean: 4.20, 3 Mean: 4.18, 4 Mean: 3.79  
   - Rank: 1192/1503, 3.79, 4.20, 4.18, 3.79

3. Did the exam questions reflect the expected goals  
   - Frequencies: NR 0, NA 0, 1 3, 2 8  
   - NR Mean: 4.21, NA Mean: 4.21, 1 Mean: 4.21, 2 Mean: 4.39, 3 Mean: 4.28, 4 Mean: 4.32  
   - Rank: 817/1290, 4.21, 4.39, 4.28, 4.32

4. Did other evaluations reflect the expected goals  
   - Frequencies: NR 0, NA 8, 1 1, 2 4  
   - NR Mean: 3.67, NA Mean: 3.67, 1 Mean: 3.75, 2 Mean: 4.16, 4 Mean: 4.22, 4 Mean: 3.67  
   - Rank: 1229/1453, 3.75, 4.16, 4.22, 3.67

5. Did assigned readings contribute to what you learned  
   - Frequencies: NR 0, NA 8, 1 1, 2 6  
   - NR Mean: 3.79, NA Mean: 3.79, 1 Mean: 3.79, 2 Mean: 3.90, 6 Mean: 4.00  
   - Rank: 952/1421, 3.79, 3.90, 4.00, 3.79

6. Did written assignments contribute to what you learned  
   - Frequencies: NR 0, NA 10, 0 2, 1 1  
   - NR Mean: 3.75, NA Mean: 3.75, 0 Mean: 3.75, 1 Mean: 4.06, 2 Mean: 4.09  
   - Rank: 1003/1365, 3.75, 4.06, 4.09

7. Was the grading system clearly explained  
   - Frequencies: NR 0, NA 0, 1 1, 2 4  
   - NR Mean: 4.21, NA Mean: 4.21, 1 Mean: 4.21, 2 Mean: 4.39, 4 Mean: 4.21  
   - Rank: 806/1485, 4.21, 4.39, 4.21

8. How many times was class cancelled  
   - Frequencies: NR 0, NA 0, 1 1  
   - NR Mean: 4.93, NA Mean: 4.93, 1 Mean: 4.93  
   - Rank: 525/1504, 4.93, 4.93

9. How would you grade the overall teaching effectiveness  
   - Frequencies: NR 1, NA 0, 0 4, 1 7  
   - NR Mean: 4.23, NA Mean: 4.23, 0 Mean: 4.23, 1 Mean: 4.07, 4 Mean: 4.11  
   - Rank: 657/1483, 4.23, 4.07, 4.11

## Lecture

1. Were the instructor's lectures well prepared  
   - Frequencies: NR 1, NA 0, 0 1, 1 9  
   - NR Mean: 4.54, NA Mean: 4.54, 0 Mean: 4.54, 1 Mean: 4.58, 9 Mean: 4.41  
   - Rank: 748/1425, 4.54, 4.58, 4.41

2. Did the instructor seem interested in the subject  
   - Frequencies: NR 1, NA 0, 0 1, 1 11  
   - NR Mean: 4.77, NA Mean: 4.77, 0 Mean: 4.77, 1 Mean: 4.67, 11 Mean: 4.72  
   - Rank: 808/1426, 4.77, 4.67

3. Was lecture material presented and explained clearly  
   - Frequencies: NR 1, NA 0, 0 2, 5 6  
   - NR Mean: 4.31, NA Mean: 4.31, 0 Mean: 4.31, 2 Mean: 4.30, 5 Mean: 4.25  
   - Rank: 799/1418, 4.31, 4.25

4. Did the lectures contribute to what you learned  
   - Frequencies: NR 1, NA 0, 0 2, 2 8  
   - NR Mean: 4.23, NA Mean: 4.23, 0 Mean: 4.23, 2 Mean: 4.37, 2 Mean: 4.26  
   - Rank: 887/1416, 4.23, 4.37, 4.26

5. Did audiovisual techniques enhance your understanding  
   - Frequencies: NR 2, NA 8, 0 1, 1 2  
   - NR Mean: 4.00, NA Mean: 4.00, 0 Mean: 4.00, 1 Mean: 3.90, 2 Mean: 3.97  
   - Rank: 636/1199, 4.00, 3.90, 4.05

## Discussion

1. Did class discussions contribute to what you learned  
   - Frequencies: NR 8, NA 0, 0 0, 2 3  
   - NR Mean: 4.17, NA Mean: 4.17, 0 Mean: 4.17, 2 Mean: 4.17, 3 Mean: 4.07  
   - Rank: 651/1312, 4.17, 4.07

2. Were all students actively encouraged to participate  
   - Frequencies: NR 8, NA 0, 0 0, 2 1  
   - NR Mean: 4.17, NA Mean: 4.17, 0 Mean: 4.17, 2 Mean: 4.17, 1 Mean: 4.12  
   - Rank: 851/1303, 4.17, 4.12

3. Did the instructor encourage fair and open discussion  
   - Frequencies: NR 8, NA 0, 0 0, 2 1  
   - NR Mean: 4.17, NA Mean: 4.17, 0 Mean: 4.17, 2 Mean: 4.22, 1 Mean: 4.25  
   - Rank: 855/1299, 4.17, 4.25

4. Were special techniques successful  
   - Frequencies: NR 8, NA 5, 0 0, 1 0  
   - NR Mean: 3.00, NA Mean: 3.00, 0 Mean: 3.00, 1 Mean: 3.71, 4 Mean: 4.01  
   - Rank: 758, ****/ ****, 3.71

## Seminar

1. Were assigned topics relevant to the announced theme  
   - Frequencies: NR 13, NA 0, 0 0, 0 1  
   - NR Mean: 5.00, NA Mean: 5.00, 0 Mean: 5.00, 1 Mean: 5.00

2. Was the instructor available for individual attention  
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   - NR Mean: 5.00, NA Mean: 5.00, 0 Mean: 5.00, 1 Mean: 5.00

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### Frequency Distribution

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### Student Course Evaluation Questionnaire

#### General

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## Student Course Evaluation Questionnaire

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<td>6. Did written assignments contribute to what you learned</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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### General

1. Did you gain new insights, skills from this course  
   1 0 1 2 4 6 12 4.04 1074/1504  4.04  4.21  4.27  4.33  4.04
2. Did the instructor make clear the expected goals  
   1 0 0 2 2 8 13 4.28 816/1503  4.28  4.26  4.20  4.18  4.28
3. Did the exam questions reflect the expected goals  
   1 0 0 1 5 7 12 4.20 832/1290  4.20  4.39  4.28  4.32  4.20
4. Did other evaluations reflect the expected goals  
   1 11 2 1 0 2 9 4.07 963/1453  4.07  4.16  4.21  4.22  4.07
5. Did assigned readings contribute to what you learned  
   1 0 0 2 3 4 16 4.36 449/1421  4.36  3.90  4.00  4.02  4.36
6. Did written assignments contribute to what you learned  
   1 9 0 1 3 3 9 4.25 581/1365  4.25  4.06  4.08  4.09  4.25
7. Was the grading system clearly explained  
   1 0 0 0 3 5 17 4.56 391/1485  4.56  4.32  4.16  4.14  4.56
8. How many times was class cancelled  
   7 0 1 1 3 9 5 3.84 1051/1483  3.84  4.07  4.06  4.11  3.84
9. How would you grade the overall teaching effectiveness  
   1 0 0 2 0 5 6 4.04 1015/1416  4.04  4.37  4.26  4.26  4.04

### Lecture

1. Were the instructor’s lectures well prepared  
   1 0 0 1 3 8 13 4.32 981/1425  4.32  4.58  4.41  4.38  4.32
2. Did the instructor seem interested in the subject  
   2 0 0 0 2 9 13 4.46 1162/1426  4.46  4.67  4.69  4.72  4.46
3. Was lecture material presented and explained clearly  
   1 0 0 1 5 9 10 4.12 964/1418  4.12  4.30  4.25  4.25  4.12
4. Did the lectures contribute to what you learned  
   1 0 2 0 5 6 12 4.04 1015/1416  4.04  4.37  4.26  4.26  4.04
5. Did audiovisual techniques enhance your understanding  
   1 19 3 0 0 1 2 2.83 ****/1199 **** 3.90 3.97 4.05 ****

### Discussion

1. Did class discussions contribute to what you learned  
   17 0 0 1 3 2 3 3.78 892/1312  3.78  3.83  4.00  4.07  3.78
2. Were all students actively encouraged to participate  
   17 0 0 0 0 1 8 4.89 217/1303  4.89  4.12  4.24  4.34  4.89
3. Did the instructor encourage fair and open discussion  
   17 0 0 0 2 2 5 4.33 741/1299  4.33  4.22  4.25  4.38  4.33

### Laboratory

1. Were requirements for lab reports clearly specified  
   25 0 0 0 1 0 0 3.00 ****/ 207 **** **** 4.09 3.69 ****

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### Student Course Evaluation Questionnaire

**General**

1. Did you gain new insights, skills from this course
   - Frequency: 0 0 1 2 3 4 5
   - Mean: 4.34
   - Rank: 775/1504
   - Course Dept: 4.21
   - UMBC Level: 4.27
   - Sect: 4.33
   - Instructor: 4.34
   - Course: 4.34
   - Department: 4.34

2. Did the instructor make clear the expected goals
   - Frequency: 0 0 2 4 6 21
   - Mean: 4.14
   - Rank: 954/1503
   - Course Dept: 4.14
   - UMBC Level: 4.20
   - Sect: 4.18
   - Instructor: 4.14
   - Course: 4.14
   - Department: 4.14

3. Did the exam questions reflect the expected goals
   - Frequency: 0 0 4 0 4 6 21
   - Mean: 4.14
   - Rank: 866/1290
   - Course Dept: 4.14
   - UMBC Level: 4.39
   - Sect: 4.28
   - Instructor: 4.14
   - Course: 4.14
   - Department: 4.14

4. Did other evaluations reflect the expected goals
   - Frequency: 0 3 1 5 10 15
   - Mean: 4.16
   - Rank: 890/1453
   - Course Dept: 4.16
   - UMBC Level: 4.21
   - Sect: 4.22
   - Instructor: 4.16
   - Course: 4.16
   - Department: 4.16

5. Did assigned readings contribute to what you learned
   - Frequency: 0 18 3 1 3 4 6
   - Mean: 3.53
   - Rank: 1101/1421
   - Course Dept: 3.53
   - UMBC Level: 4.00
   - Sect: 4.02
   - Instructor: 3.53
   - Course: 3.53
   - Department: 3.53

6. Did written assignments contribute to what you learned
   - Frequency: 0 10 2 2 2 7 12
   - Mean: 4.00
   - Rank: 782/1365
   - Course Dept: 4.00
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7. Was the grading system clearly explained
   - Frequency: 0 0 1 2 6 10 15
   - Mean: 3.50
   - Rank: 850/1453
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   - UMBC Level: 4.16
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8. How many times was class cancelled
   - Frequency: 7 0 0 0 0 0 0
   - Mean: 5.00
   - Rank: 1/1504
   - Course Dept: 5.00
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   - Sect: 4.69
   - Instructor: 5.00
   - Course: 5.00
   - Department: 5.00

9. How would you grade the overall teaching effectiveness
   - Frequency: 0 0 0 0 0 0 0
   - Mean: 5.00
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   - Course: 5.00
   - Department: 5.00

**Lecture**

1. Were the instructor’s lectures well prepared
   - Frequency: 1 0 0 0 2 3 29
   - Mean: 4.79
   - Rank: 348/1425
   - Course Dept: 4.58
   - UMBC Level: 4.41
   - Sect: 4.38
   - Instructor: 4.79
   - Course: 4.79
   - Department: 4.79

2. Did the instructor seem interested in the subject
   - Frequency: 0 0 0 0 1 0 0
   - Mean: 4.86
   - Rank: 620/1426
   - Course Dept: 4.67
   - UMBC Level: 4.72
   - Sect: 4.86
   - Instructor: 4.86
   - Course: 4.86
   - Department: 4.86

3. Was lecture material presented and explained clearly
   - Frequency: 1 0 1 1 4 5 23
   - Mean: 4.41
   - Rank: 695/1418
   - Course Dept: 4.41
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   - Sect: 4.25
   - Instructor: 4.41
   - Course: 4.41
   - Department: 4.41

4. Did the lectures contribute to what you learned
   - Frequency: 1 0 1 0 5 4 24
   - Mean: 4.47
   - Rank: 662/1416
   - Course Dept: 4.47
   - UMBC Level: 4.37
   - Sect: 4.26
   - Instructor: 4.47
   - Course: 4.47
   - Department: 4.47

5. Did audiovisual techniques enhance your understanding
   - Frequency: 3 22 0 2 3 3 2
   - Mean: 3.50
   - Rank: 919/1199
   - Course Dept: 3.50
   - UMBC Level: 3.90
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**Discussion**

1. Did class discussions contribute to what you learned
   - Frequency: 22 0 0 1 2 1 9
   - Mean: 4.38
   - Rank: 483/1312
   - Course Dept: 3.83
   - UMBC Level: 4.00
   - Sect: 4.07
   - Instructor: 4.38
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2. Were all students actively encouraged to participate
   - Frequency: 22 0 0 0 1 3 9
   - Mean: 4.62
   - Rank: 497/1303
   - Course Dept: 4.62
   - UMBC Level: 4.12
   - Sect: 4.24
   - Instructor: 4.62
   - Course: 4.62
   - Department: 4.62

3. Did the instructor encourage fair and open discussion
   - Frequency: 22 0 0 0 0 4 9
   - Mean: 4.69
   - Rank: 415/1299
   - Course Dept: 4.69
   - UMBC Level: 4.22
   - Sect: 4.25
   - Instructor: 4.69
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   - Department: 4.69

4. Were special techniques successful
   - Frequency: 22 8 1 1 1 1 1
   - Mean: 3.00
   - Rank: 758
   - Course Dept: 3.71
   - UMBC Level: 4.01
   - Sect: 4.17
   - Instructor: ****
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### Questionnaires:

**Instructor:** TAKACS, WENDY E  
**Course Dept:** UMBC  
**Level:**  
**Sect:**  
**Enrollment:** 26  
**Student Course Evaluation Questionnaire**

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Questions | Frequencies | Instructor Mean | Course Dept Mean | UMBC Level Mean | Sect Mean | Mean
--- | --- | --- | --- | --- | --- | ---
1. Did you gain new insights, skills from this course | NR 1 0 0 3 5 10 | 4.39 725/1504 | 4.39 | 4.21 | 4.27 | 4.33 | 4.39
2. Did the instructor make clear the expected goals | NR 1 0 0 2 7 9 | 4.39 678/1503 | 4.39 | 4.26 | 4.20 | 4.18 | 4.39
3. Did the exam questions reflect the expected goals | NR 1 0 0 1 7 10 | 4.50 507/1290 | 4.50 | 4.38 | 4.32 | 4.25 | 4.50
4. Did other evaluations reflect the expected goals | NR 1 0 0 2 2 8 | 4.50 440/1453 | 4.50 | 4.16 | 4.21 | 4.22 | 4.50
5. Did assigned readings contribute to what you learned | NR 1 1 1 1 1 6 | 4.12 669/1421 | 4.12 | 3.90 | 4.00 | 4.02 | 4.12
6. Did written assignments contribute to what you learned | NR 1 0 0 2 3 7 | 4.42 407/1365 | 4.42 | 4.06 | 4.08 | 4.09 | 4.42
7. Was the grading system clearly explained | NR 1 0 0 1 2 5 10 | 4.33 670/1485 | 4.33 | 4.32 | 4.16 | 4.14 | 4.33
8. How many times was class cancelled | NR 1 0 0 0 0 1 17 | 4.94 657/1483 | 4.94 | 4.53 | 4.69 | 4.73 | 4.94
9. How would you grade the overall teaching effectiveness | NR 6 0 0 0 2 6 5 | 4.23 657/1483 | 4.23 | 4.07 | 4.06 | 4.11 | 4.23

### Lecture
1. Were the instructor's lectures well prepared | NR 2 0 0 0 0 4 13 | 4.76 402/1425 | 4.76 | 4.58 | 4.41 | 4.38 | 4.76
2. Did the instructor seem interested in the subject | NR 2 0 0 0 0 3 14 | 4.82 690/1426 | 4.82 | 4.67 | 4.69 | 4.72 | 4.82
3. Was lecture material presented and explained clearly | NR 2 0 0 0 2 6 9 | 4.41 695/1418 | 4.41 | 4.30 | 4.25 | 4.25 | 4.41
4. Did the lectures contribute to what you learned | NR 2 0 0 0 1 7 9 | 4.47 662/1416 | 4.47 | 4.37 | 4.26 | 4.26 | 4.47
5. Did audiovisual techniques enhance your understanding | NR 5 11 0 1 1 0 1 3.33 ****/1199 | 3.90 3.97 | 4.05 ****

### Discussion
1. Did class discussions contribute to what you learned | NR 17 0 0 0 0 1 1 | 4.50 ****/1312 | 3.83 4.00 | 4.07 ****
2. Were all students actively encouraged to participate | NR 17 0 0 0 0 1 1 | 4.50 ****/1303 | 4.12 4.24 | 4.34 ****
3. Did the instructor encourage fair and open discussion | NR 17 0 0 0 0 1 1 | 4.50 ****/1299 | 4.22 4.25 | 4.38 ****
4. Were special techniques successful | NR 16 1 0 0 0 1 0 1 | 4.00 ****/ 758 | 3.71 4.01 | 4.17 ****

### Seminar
1. Did the criteria for grading made clear | NR 18 0 0 1 0 0 0 2.00 ****/ 73 | 4.17 4.29 ****

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### Frequency Distribution

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## Student Course Evaluation Questionnaire

### General

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<tr>
<td>1. Did you gain new insights, skills from this course</td>
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<td>3.41 1388/1504</td>
<td>3.41 4.21</td>
<td>4.27 3.43</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>3.47 4.16</td>
<td>4.21 4.37</td>
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<td>5. Did assigned readings contribute to what you learned</td>
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<td>3.08 1294/1421</td>
<td>3.08 3.90</td>
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<td>6. Did written assignments contribute to what you learned</td>
<td>7</td>
<td>3.53 1143/1365</td>
<td>3.53 4.06</td>
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<td>7. Was the grading system clearly explained</td>
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<td>3.69 1214/1485</td>
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<td>8. How many times was class cancelled</td>
<td>25</td>
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<td>9. How would you grade the overall teaching effectiveness</td>
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### Lecture

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<td>2. Did the instructor seem interested in the subject</td>
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<td>4.23 1276/1426</td>
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<td>3. Was lecture material presented and explained clearly</td>
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<td>3.85 1123/1418</td>
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<td>4. Did the lectures contribute to what you learned</td>
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<td>5. Did audiovisual techniques enhance your understanding</td>
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<td>3.41 959/1199</td>
<td>3.41 3.90</td>
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### Discussion

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

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<td>3. Were requirements for lab reports clearly specified</td>
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### Self Paced

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5. Were there enough proctors for all the students

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### - Means there are not enough responses to be significant.
### General

1. Did you gain new insights, skills from this course  
   - Frequencies: 0 0 0 0 0 1  
   - Instructor Mean: 5.00  
   - Course Dept mean: 4.21  
   - UMBC Level Mean: 4.33  
   - Sect Mean: 5.00

2. Did the instructor make clear the expected goals  
   - Frequencies: 0 0 0 0 0 1  
   - Instructor Mean: 5.00  
   - Course Dept mean: 4.26  
   - UMBC Level Mean: 4.20  
   - Sect Mean: 5.00

3. Did the exam questions reflect the expected goals  
   - Frequencies: 0 0 0 0 0 1  
   - Instructor Mean: 5.00  
   - Course Dept mean: 4.39  
   - UMBC Level Mean: 4.28  
   - Sect Mean: 5.00

4. Did other evaluations reflect the expected goals  
   - Frequencies: 0 0 0 0 0 1  
   - Instructor Mean: 5.00  
   - Course Dept mean: 4.16  
   - UMBC Level Mean: 4.21  
   - Sect Mean: 5.00

5. Did assigned readings contribute to what you learned  
   - Frequencies: 0 0 0 0 0 1  
   - Instructor Mean: 5.00  
   - Course Dept mean: 4.39  
   - UMBC Level Mean: 4.28  
   - Sect Mean: 5.00

6. Did written assignments contribute to what you learned  
   - Frequencies: 0 0 0 0 0 1  
   - Instructor Mean: 5.00  
   - Course Dept mean: 4.06  
   - UMBC Level Mean: 4.09  
   - Sect Mean: 5.00

7. Was the grading system clearly explained  
   - Frequencies: 0 0 0 0 0 1  
   - Instructor Mean: 5.00  
   - Course Dept mean: 4.32  
   - UMBC Level Mean: 4.16  
   - Sect Mean: 5.00

8. How many times was class cancelled  
   - Frequencies: 0 0 0 0 0 1  
   - Instructor Mean: 5.00  
   - Course Dept mean: 4.53  
   - UMBC Level Mean: 4.69  
   - Sect Mean: 5.00

9. How would you grade the overall teaching effectiveness  
   - Frequencies: 0 0 0 0 0 1  
   - Instructor Mean: 5.00  
   - Course Dept mean: 4.07  
   - UMBC Level Mean: 4.06  
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### Student Course Evaluation Questionnaire

#### General

1. Did you gain new insights, skills from this course
   - Frequency: NR 0 NA 0 1 2 3 4 5 7
   - Mean: 4.70
   - Rank: 327/1504
   - Mean: 4.27
   - Mean: 4.44
   - Mean: 4.70

2. Did the instructor make clear the expected goals
   - Frequency: NR 0 NA 0 1 2 3 4 5 4
   - Mean: 4.30
   - Rank: 795/1503
   - Mean: 4.26
   - Mean: 4.20
   - Mean: 4.28
   - Mean: 4.30

3. Did the exam questions reflect the expected goals
   - Frequency: NR 0 NA 0 1 2 3 4 5 4
   - Mean: 4.20
   - Rank: 832/1290
   - Mean: 4.39
   - Mean: 4.28
   - Mean: 4.36
   - Mean: 4.20

4. Did other evaluations reflect the expected goals
   - Frequency: NR 0 NA 0 1 2 3 4 5 4
   - Mean: 4.30
   - Rank: 718/1453
   - Mean: 4.16
   - Mean: 4.21
   - Mean: 4.34
   - Mean: 4.30

5. Did assigned readings contribute to what you learned
   - Frequency: NR 0 NA 0 1 2 3 4 5 4
   - Mean: 4.00
   - Rank: 657/1421
   - Mean: 3.90
   - Mean: 4.21
   - Mean: 4.27
   - Mean: 4.00

6. Did written assignments contribute to what you learned
   - Frequency: NR 0 NA 0 1 2 3 4 5 4
   - Mean: 4.30
   - Rank: 645/1365
   - Mean: 4.06
   - Mean: 4.08
   - Mean: 4.35
   - Mean: 4.20

7. Was the grading system clearly explained
   - Frequency: NR 0 NA 1 2 3 4 5 4
   - Mean: 3.60
   - Rank: 1246/1485
   - Mean: 4.32
   - Mean: 4.16
   - Mean: 4.27
   - Mean: 4.00

8. How many times was class cancelled
   - Frequency: NR 0 NA 0 0 1 2 3 4 5 0
   - Mean: 4.90
   - Rank: 657/1504
   - Mean: 4.53
   - Mean: 4.69
   - Mean: 4.79
   - Mean: 4.90

9. How would you grade the overall teaching effectiveness
   - Frequency: NR 0 NA 0 1 2 3 4 5 4
   - Mean: 3.86
   - Rank: 1041/1483
   - Mean: 4.07
   - Mean: 4.06
   - Mean: 4.20
   - Mean: 3.86

#### Lecture

1. Were the instructor’s lectures well prepared
   - Frequency: NR 0 NA 0 0 1 2 3 4 5 10
   - Mean: 5.00
   - Rank: 1/1425
   - Mean: 4.58
   - Mean: 4.41
   - Mean: 4.51
   - Mean: 5.00

2. Did the instructor seem interested in the subject
   - Frequency: NR 0 NA 0 0 1 2 3 4 5 9
   - Mean: 4.90
   - Rank: 502/1426
   - Mean: 4.67
   - Mean: 4.69
   - Mean: 4.80
   - Mean: 4.90

3. Was lecture material presented and explained clearly
   - Frequency: NR 0 NA 0 1 2 3 4 5 2
   - Mean: 4.30
   - Rank: 799/1418
   - Mean: 4.30
   - Mean: 4.25
   - Mean: 4.36
   - Mean: 4.30

4. Did the lectures contribute to what you learned
   - Frequency: NR 0 NA 0 0 1 2 3 4 5 6
   - Mean: 4.60
   - Rank: 525/1416
   - Mean: 4.37
   - Mean: 4.26
   - Mean: 4.38
   - Mean: 4.60

5. Did audiovisual techniques enhance your understanding
   - Frequency: NR 1 2 1 2 2 3 5
   - Mean: 3.57
   - Rank: 894/1199
   - Mean: 3.57
   - Mean: 3.90
   - Mean: 3.97
   - Mean: 4.04

#### Discussion

1. Did class discussions contribute to what you learned
   - Frequency: NR 0 NA 1 2 1 3 3 3
   - Mean: 3.50
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   - Mean: 3.50
   - Mean: 3.83
   - Mean: 4.00
   - Mean: 4.31
   - Mean: 3.50

2. Were all students actively encouraged to participate
   - Frequency: NR 0 NA 1 0 1 3 3 5
   - Mean: 4.10
   - Rank: 887/1303
   - Mean: 4.10
   - Mean: 4.12
   - Mean: 4.58
   - Mean: 4.10

3. Did the instructor encourage fair and open discussion
   - Frequency: NR 1 0 0 0 3 5
   - Mean: 4.33
   - Rank: 741/1299
   - Mean: 4.33
   - Mean: 4.22
   - Mean: 4.25
   - Mean: 4.56

4. Were special techniques successful
   - Frequency: NR 0 9 0 0 0 0 1
   - Mean: 5.00
   - Rank: ****/758
   - Mean: 3.71
   - Mean: 4.01
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### Student Course Evaluation Questionnaire

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

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#### Lecture
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2. Did the instructor seem interested in the subject
3. Was lecture material presented and explained clearly
4. Did the lectures contribute to what you learned
5. Did audiovisual techniques enhance your understanding

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#### Discussion
1. Did class discussions contribute to what you learned
2. Were all students actively encouraged to participate
3. Did the instructor encourage fair and open discussion

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Student Course Evaluation Questionnaire

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