### General

1. **Did you gain new insights, skills from this course?**
   - Instructor: 3.92
   - Activity: 3.85
   - Overall: 4.08

2. **Did the instructor make clear the expected goals?**
   - Instructor: 3.85
   - Activity: 3.85
   - Overall: 4.08

3. **Did the exam questions reflect the expected goals?**
   - Instructor: 3.92
   - Activity: 3.92
   - Overall: 4.08

4. **Did other evaluations reflect the expected goals?**
   - Instructor: 3.85
   - Activity: 3.85
   - Overall: 4.08

5. **Did assigned readings contribute to what you learned?**
   - Instructor: 4.54
   - Activity: 3.90
   - Overall: 4.08

6. **Did written assignments contribute to what you learned?**
   - Instructor: 3.85
   - Activity: 3.99
   - Overall: 4.08

7. **Was the grading system clearly explained?**
   - Instructor: 3.31
   - Activity: 3.81
   - Overall: 4.08

8. **How many times was class cancelled?**
   - Instructor: 4.46
   - Activity: 4.75
   - Overall: 4.08

9. **How would you grade the overall teaching effectiveness?**
   - Instructor: 3.57
   - Activity: 3.95
   - Overall: 4.08

### Lecture

1. **Were the instructor's lectures well prepared?**
   - Instructor: 3.77
   - Activity: 3.77
   - Overall: 4.08

2. **Did the instructor seem interested in the subject?**
   - Instructor: 4.67
   - Activity: 4.79
   - Overall: 4.08

3. **Was lecture material presented and explained clearly?**
   - Instructor: 3.92
   - Activity: 4.14
   - Overall: 4.08

4. **Did the lectures contribute to what you learned?**
   - Instructor: 4.31
   - Activity: 4.21
   - Overall: 4.08

5. **Did audiovisual techniques enhance your understanding?**
   - Instructor: 2.75
   - Activity: 3.70
   - Overall: 4.08

### Discussion

1. **Did class discussions contribute to what you learned?**
   - Instructor: 4.38
   - Activity: 4.38
   - Overall: 4.08

2. **Were all students actively encouraged to participate?**
   - Instructor: 3.85
   - Activity: 4.50
   - Overall: 4.08

3. **Did the instructor encourage fair and open discussion?**
   - Instructor: 4.31
   - Activity: 4.69
   - Overall: 4.08

4. **Were special techniques successful?**
   - Instructor: 4.00
   - Activity: 4.14
   - Overall: 4.08

### Laboratory

1. **Did the lab increase understanding of the material?**
   - Instructor: 5.00
   - Activity: 4.20
   - Overall: 4.08

2. **Were you provided with adequate background information?**
   - Instructor: 4.00
   - Activity: 4.19
   - Overall: 4.08

3. **Were necessary materials available for lab activities?**
   - Instructor: 4.00
   - Activity: 4.00
   - Overall: 4.08

4. **Did the lab instructor provide assistance?**
   - Instructor: 5.00
   - Activity: 4.35
   - Overall: 4.08

5. **Were requirements for lab reports clearly specified?**
   - Instructor: 4.00
   - Activity: 4.34
   - Overall: 4.08

### Seminar

1. **Were assigned topics relevant to the announced theme?**
   - Instructor: 4.55
   - Activity: 4.30
   - Overall: 4.08

2. **Was the instructor available for individual attention?**
   - Instructor: 4.09
   - Activity: 4.36
   - Overall: 4.08

3. **Did research projects contribute to what you learned?**
   - Instructor: 4.09
   - Activity: 4.22
   - Overall: 4.08

4. **Did presentations contribute to what you learned?**
   - Instructor: 4.20
   - Activity: 4.31
   - Overall: 4.08

5. **Were criteria for grading made clear?**
   - Instructor: 4.00
   - Activity: 4.39
   - Overall: 4.08

### Field Work

1. **Did field experience contribute to what you learned?**
   - Instructor: 4.00
   - Activity: 4.22
   - Overall: 4.08

2. **Did the lab increase understanding of the material?**
   - Instructor: 5.00
   - Activity: 4.48
   - Overall: 4.08

3. **Was the instructor available for consultation?**
   - Instructor: 5.00
   - Activity: 4.39
   - Overall: 4.08

4. **Did conferences help you carry out field activities?**
   - Instructor: 5.00
   - Activity: 4.33
   - Overall: 4.08

### Self Paced

1. **Did self-paced system contribute to what you learned?**
   - Instructor: 5.00
   - Activity: 4.34
   - Overall: 4.08

2. **Did study questions make clear the expected goal?**
   - Instructor: 5.00
   - Activity: 4.31
   - Overall: 4.08

3. **Were your contacts with the instructor helpful?**
   - Instructor: 5.00
   - Activity: 4.45
   - Overall: 4.08

4. **Was the feedback/tutoring by proctors helpful?**
   - Instructor: 5.00
   - Activity: 4.25
   - Overall: 4.08

5. **Were there enough proctors for all the students?**
   - Instructor: 5.00
   - Activity: 4.34
   - Overall: 4.08
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- **Reasons**: Required for Majors 5, General 1, Electives 3, Other 1
- **Type**: Graduate 0, Under-grad 13, Non-major 13
- **Majors**: Major 0
- **Note**: ## Means there are not enough responses to be significant
### General

1. Did you gain new insights, skills from this course
   - 0 0 0 0 2 2 4 4.45 662/1669 4.45 4.12 4.23 4.02 4.45
2. Did the instructor make clear the expected goals
   - 0 0 0 0 4 0 7 4.27 854/1666 4.27 3.81 4.19 4.11 4.27
3. Did the exam questions reflect the expected goals
   - 0 0 0 0 1 2 8 4.64 429/1421 4.64 3.85 4.24 4.11 4.64
4. Did other evaluations reflect the expected goals
   - 0 0 0 0 2 2 7 4.45 568/1617 4.45 3.99 4.15 3.99 4.45
5. Did assigned readings contribute to what you learned
   - 1 0 0 1 1 4 4 4.10 709/1555 4.10 3.90 4.00 3.92 4.10
6. Did written assignments contribute to what you learned
   - 0 0 0 2 2 7 4.45 706/1506 4.45 4.21 4.26 4.17 4.45
7. Was the grading system clearly explained
   - 0 0 0 0 2 4 5 4.27 839/1647 4.27 3.81 4.12 4.06 4.27
8. How many times was class cancelled
   - 0 1 0 0 0 3 7 4.70 1039/1668 4.70 4.75 4.67 4.62 4.70
9. How would you grade the overall teaching effectiveness
   - 1 0 0 0 3 1 6 4.30 631/1605 4.30 3.95 4.07 3.96 4.30

### Lecture

1. Were the instructor's lectures well prepared
   - 0 0 0 0 4 0 7 4.27 1070/1514 4.27 4.21 4.39 4.32 4.27
2. Did the instructor seem interested in the subject
   - 0 0 0 0 0 0 11 5.00 1/1551 5.00 4.79 4.66 4.55 5.00
3. Was lecture material presented and explained clearly
   - 0 0 0 0 2 6 3 4.09 1020/1503 4.09 4.14 4.24 4.17 4.09
4. Did the lectures contribute to what you learned
   - 0 0 0 2 2 7 4.45 706/1506 4.45 4.21 4.26 4.17 4.45
5. Did audiovisual techniques enhance your understanding
   - 0 0 0 0 0 0 11 5.00 1/1311 5.00 3.70 3.85 3.68 5.00

### Discussion

1. Did class discussions contribute to what you learned
   - 7 0 0 0 1 0 3 4.50 445/1490 4.50 4.36 4.05 3.85 4.50
2. Were all students actively encouraged to participate
   - 7 0 0 0 1 1 2 4.25 880/1502 4.25 4.50 4.26 4.06 4.25
3. Did the instructor encourage fair and open discussion
   - 7 0 0 0 1 0 3 4.50 601/1489 4.50 4.69 4.29 4.07 4.50
4. Were special techniques successful
   - 7 1 0 0 0 3 5.00 1/1006 5.00 4.14 4.00 3.81 5.00

### Seminar

1. Were assigned topics relevant to the announced theme
   - 8 0 0 0 0 0 3 5.00 1/112 5.00 4.30 4.38 4.04 5.00
2. Was the instructor available for individual attention
   - 8 0 0 0 0 0 3 5.00 1/97 5.00 4.47 4.36 4.19 5.00
3. Did research projects contribute to what you learned
   - 8 0 0 0 0 0 3 5.00 1/105 5.00 4.31 4.20 3.94 5.00
4. Did presentations contribute to what you learned
   - 8 0 0 0 0 0 3 5.00 1/105 5.00 4.31 4.20 3.94 5.00
5. Were criteria for grading made clear
   - 8 0 0 0 0 0 1 2 4.67 26/98 4.67 3.92 3.95 3.90 4.67

### Self-Paced

1. Did self-paced system contribute to what you learned
   - 10 0 0 0 0 1 0 4.00 ****/55 4.34 4.17 ****
2. Did study questions make clear the expected goal
   - 10 0 0 0 0 1 0 5.00 ****/42 4.31 4.08 ****
3. Were your contacts with the instructor helpful
   - 10 0 0 0 0 0 0 4.00 ****/46 4.45 4.26 ****
4. Was the feedback/tutoring by proctors helpful
   - 10 0 0 0 0 0 1 5.00 ****/33 4.25 4.25 ****
5. Were there enough proctors for all the students
   - 10 0 0 0 0 0 1 5.00 ****/29 4.34 4.22 ****

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- **Required for Majors**: 6
- **Graduate**: 0
- **Major**: 0
- **Under-grad**: 14
- **Non-major**: 14
- **Electives**: 2

---

Frequencies are distribution of the grades given by the students. The mean GPA and expected grades were calculated based on the students' performance. The reasons for the grades are also documented, along with the type of major the students are pursuing.
### General

1. Did you gain new insights, skills from this course  
   - Mean: 4.00  
   - Rank: 1173/1669

2. Did the instructor make clear the expected goals  
   - Mean: 4.00  
   - Rank: 1094/1666

3. Did the exam questions reflect the expected goals  
   - Mean: 2.80  
   - Rank: 1386/1421

4. Did other evaluations reflect the expected goals  
   - Mean: 4.08  
   - Rank: 987/1617

5. Did assigned readings contribute to what you learned  
   - Mean: 3.80  
   - Rank: 1386/1421

6. Did written assignments contribute to what you learned  
   - Mean: 4.08  
   - Rank: 850/1543

7. Was the grading system clearly explained  
   - Mean: 4.29  
   - Rank: 828/1647

8. How many times was class cancelled  
   - Mean: 5.00  
   - Rank: 1/1668

9. How would you grade the overall teaching effectiveness  
   - Mean: 4.00  
   - Rank: 918/1605

### Lecture

1. Were the instructor's lectures well prepared  
   - Mean: 4.67  
   - Rank: 584/1514

2. Did the instructor seem interested in the subject  
   - Mean: 4.83  
   - Rank: 705/1551

3. Was lecture material presented and explained clearly  
   - Mean: 4.50  
   - Rank: 556/1503

4. Did the lectures contribute to what you learned  
   - Mean: 3.83  
   - Rank: 1209/1506

5. Did audiovisual techniques enhance your understanding  
   - Mean: 3.00  
   - Rank: 1311/1311

### Discussion

1. Did class discussions contribute to what you learned  
   - Mean: 4.38  
   - Rank: 576/1490

2. Were all students actively encouraged to participate  
   - Mean: 4.54  
   - Rank: 604/1502

3. Did the instructor encourage fair and open discussion  
   - Mean: 4.77  
   - Rank: 422/1489

4. Were special techniques successful  
   - Mean: 4.60  
   - Rank: 199/1006

### Laboratory

1. Were you provided with adequate background information  
   - Mean: 1.00  
   - Rank: 233/1311

### Seminar

1. Were assigned topics relevant to the announced theme  
   - Mean: 4.50  
   - Rank: 65/112

2. Was the instructor available for individual attention  
   - Mean: 4.75  
   - Rank: 41/97

3. Did research projects contribute to what you learned  
   - Mean: 4.42  
   - Rank: 50/92

4. Did presentations contribute to what you learned  
   - Mean: 4.67  
   - Rank: 42/105

5. Were criteria for grading made clear  
   - Mean: 4.50  
   - Rank: 28/98

### Frequency Distribution

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### Student Course Evaluation Questionnaire

#### General

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## Course Evaluation Questionnaire

### General
1. **Did you gain new insights, skills from this course?**
   - NR 0, NA 0, 2 2 4 4 3, Mean 3.27, Rank 3.27

2. **Did the instructor make clear the expected goals?**
   - NR 0, NA 0, 2 5 2 3 3 2, Mean 2.67, Rank 2.67

3. **Did the exam questions reflect the expected goals?**
   - NR 12, NA 0, 2 0 0 2 1 1 0, Mean 3.33, Rank 3.85

4. **Did other evaluations reflect the expected goals?**
   - NR 2, NA 0, 2 0 2 5 3 3, Mean 3.54, Rank 3.99

5. **Did assigned readings contribute to what you learned?**
   - NR 0, NA 5, 4 3 2 1, Mean 2.33, Rank 2.33

6. **Did written assignments contribute to what you learned?**
   - NR 0, NA 1, 2 5 5 2, Mean 3.33, Rank 3.33

7. **Was the grading system clearly explained?**
   - NR 1, NA 1, 2 3 3 4 1 3, Mean 3.00, Rank 3.00

8. **How many times was class cancelled?**
   - NR 0, NA 0, 0 0 0 0 0 0 15, Mean 5.00

9. **How would you grade the overall teaching effectiveness?**
   - NR 4, NA 0, 1 1 4 4 1, Mean 3.27, Rank 3.27

### Lecture
1. **Were the instructor's lectures well prepared?**
   - NR 1, NA 0, 2 2 3 4 3, Mean 3.29, Rank 3.29

2. **Did the instructor seem interested in the subject?**
   - NR 1, NA 0, 0 1 4 2 4 7, Mean 4.21, Rank 4.21

3. **Was lecture material presented and explained clearly?**
   - NR 1, NA 0, 0 4 3 3 4, Mean 3.50, Rank 3.50

4. **Did the lectures contribute to what you learned?**
   - NR 1, NA 0, 2 1 5 2 4, Mean 3.36, Rank 3.36

5. **Did audiovisual techniques enhance your understanding?**
   - NR 1, NA 2, 3 2 5 0 2, Mean 2.82, Rank 2.82

### Discussion
1. **Did class discussions contribute to what you learned?**
   - NR 3, NA 0, 0 1 2 2 5 4, Mean 4.00, Rank 4.00

2. **Were all students actively encouraged to participate?**
   - NR 3, NA 0, 0 1 1 2 8, Mean 4.42, Rank 4.42

3. **Did the instructor encourage fair and open discussion?**
   - NR 3, NA 0, 0 0 2 2 8, Mean 4.50, Rank 4.50

4. **Were special techniques successful?**
   - NR 3, NA 0, 0 1 2 4 5, Mean 4.08, Rank 4.08

### Seminar
1. **Were assigned topics relevant to the announced theme?**
   - NR 9, NA 0, 0 1 3 1 3 0 1, Mean 2.83, Rank 2.83

2. **Was the instructor available for individual attention?**
   - NR 9, NA 0, 0 0 1 1 2 2, Mean 3.83, Rank 3.83

3. **Did research projects contribute to what you learned?**
   - NR 9, NA 0, 0 1 1 0 1 2 50, Mean 2.83, Rank 2.83

4. **Did presentations contribute to what you learned?**
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5. **Were criteria for grading made clear?**
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### Frequency Distribution

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### Student Course Evaluation Questionnaire

#### General

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*Note: Frequencies include the number of responses for each question.*
### General

1. Did you gain new insights, skills from this course
   - NR: 0, NA: 0, 1: 0, 2: 0, 3: 1, 4: 6, 5: 4
   - Mean: 4.38 (757/1669)
   - Rank: 757/1669
   - Mean: 4.38

2. Did the instructor make clear the expected goals
   - NR: 0, NA: 0, 1: 1, 2: 3, 3: 4, 4: 5
   - Mean: 4.00 (1094/1666)
   - Rank: 1094/1666
   - Mean: 4.11

3. Did the exam questions reflect the expected goals
   - NR: 0, NA: 0, 1: 2, 2: 6, 3: 4, 4: 17
   - Mean: 4.17 (866/1421)
   - Rank: 866/1421
   - Mean: 4.11

4. Did other evaluations reflect the expected goals
   - NR: 0, NA: 0, 1: 0, 2: 2, 3: 7, 4: 6
   - Mean: 3.92 (1140/1617)
   - Rank: 1140/1617
   - Mean: 3.99

5. Did assigned readings contribute to what you learned
   - NR: 0, NA: 0, 1: 0, 2: 6, 3: 5
   - Mean: 4.38 (453/1555)
   - Rank: 453/1555
   - Mean: 3.92

6. Did written assignments contribute to what you learned
   - NR: 0, NA: 0, 1: 0, 2: 6, 3: 5
   - Mean: 4.23 (680/1543)
   - Rank: 680/1543
   - Mean: 4.23

7. Was the grading system clearly explained
   - NR: 0, NA: 0, 1: 0, 2: 4, 3: 3, 4: 5
   - Mean: 3.92 (1137/1647)
   - Rank: 1137/1647
   - Mean: 4.12

8. How many times was class cancelled
   - NR: 0, NA: 0, 1: 0, 2: 8, 3: 5
   - Mean: 4.38 (1289/1668)
   - Rank: 1289/1668
   - Mean: 4.06

9. How would you grade the overall teaching effectiveness
   - NR: 2, NA: 0, 1: 0, 2: 3, 3: 4
   - Mean: 3.91 (1092/1605)
   - Rank: 1092/1605
   - Mean: 3.91

### Lecture

1. Were the instructor's lectures well prepared
   - NR: 4, NA: 0, 1: 0, 2: 0, 3: 2, 4: 7
   - Mean: 4.56 (739/1514)
   - Rank: 739/1514
   - Mean: 4.32

2. Did the instructor seem interested in the subject
   - NR: 4, NA: 0, 1: 0, 2: 0, 3: 8
   - Mean: 4.89 (567/1551)
   - Rank: 567/1551
   - Mean: 4.55

3. Was lecture material presented and explained clearly
   - NR: 4, NA: 0, 1: 0, 2: 1, 3: 6
   - Mean: 4.44 (653/1503)
   - Rank: 653/1503
   - Mean: 4.44

4. Did audiovisual techniques enhance your understanding
   - NR: 4, NA: 0, 1: 1, 2: 2
   - Mean: 4.60 (219/1311)
   - Rank: 219/1311
   - Mean: 4.60

### Discussion

1. Did class discussions contribute to what you learned
   - NR: 4, NA: 0, 1: 1, 2: 3, 3: 5
   - Mean: 4.44 (512/1490)
   - Rank: 512/1490
   - Mean: 4.44

2. Were all students actively encouraged to participate
   - NR: 4, NA: 0, 1: 1, 2: 8
   - Mean: 4.89 (256/1502)
   - Rank: 256/1502
   - Mean: 4.50

3. Did the instructor encourage fair and open discussion
   - NR: 4, NA: 0, 1: 0, 2: 9
   - Mean: 5.00 (1/1489)
   - Rank: 1/1489
   - Mean: 5.00

4. Were special techniques successful
   - NR: 4, NA: 0, 1: 0, 2: 2
   - Mean: 4.20 (407/1006)
   - Rank: 407/1006
   - Mean: 4.20

### Laboratory

1. Did the lab increase understanding of the material
   - NR: 12, NA: 0, 1: 0, 2: 1, 3: 0
   - Mean: 3.00 (****/226)
   - Rank: ****/226
   - Mean: 4.20

2. Were you provided with adequate background information
   - NR: 12, NA: 0, 1: 0, 2: 1, 3: 0
   - Mean: 3.00 (****/233)
   - Rank: ****/233
   - Mean: 4.20

3. Were necessary materials available for lab activities
   - NR: 12, NA: 0, 1: 0, 2: 0
   - Mean: 4.00 (****/225)
   - Rank: ****/225
   - Mean: 4.42

### Seminar

1. Were assigned topics relevant to the announced theme
   - NR: 5, NA: 0, 1: 0, 2: 1, 3: 7
   - Mean: 4.88 (43/112)
   - Rank: 43/112
   - Mean: 4.38

2. Was the instructor available for individual attention
   - NR: 5, NA: 0, 1: 1, 2: 5
   - Mean: 4.50 (50/97)
   - Rank: 50/97
   - Mean: 4.36

3. Did research projects contribute to what you learned
   - NR: 5, NA: 0, 1: 0, 2: 4, 3: 4
   - Mean: 4.50 (42/92)
   - Rank: 42/92
   - Mean: 4.22

4. Did presentations contribute to what you learned
   - NR: 5, NA: 0, 1: 0, 2: 3, 3: 5
   - Mean: 4.63 (44/105)
   - Rank: 44/105
   - Mean: 4.20

5. Were criteria for grading made clear
   - NR: 5, NA: 0, 1: 1, 2: 2, 3: 5
   - Mean: 4.13 (45/98)
   - Rank: 45/98
   - Mean: 3.90

### Self Paced

1. Did self-paced system contribute to what you learned
   - NR: 12, NA: 0, 1: 0, 2: 1, 3: 5
   - Mean: 5.00 (****/55)
   - Rank: ****/55
   - Mean: 4.34

2. Did study questions make clear the expected goal
   - NR: 12, NA: 0, 1: 0, 2: 1, 3: 5
   - Mean: 5.00 (****/42)
   - Rank: ****/42
   - Mean: 4.31

3. Were your contacts with the instructor helpful
   - NR: 12, NA: 0, 1: 0, 2: 1, 3: 5
   - Mean: 5.00 (****/46)
   - Rank: ****/46
   - Mean: 4.45

4. Was the feedback/tutoring by proctors helpful
   - NR: 12, NA: 0, 1: 0, 2: 1, 3: 5
   - Mean: 5.00 (****/33)
   - Rank: ****/33
   - Mean: 4.25

5. Were there enough proctors for all the students
   - NR: 12, NA: 0, 1: 0, 2: 1, 3: 5
   - Mean: 5.00 (****/29)
   - Rank: ****/29
   - Mean: 4.42

### Frequency Distribution

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<th>Credits Earned</th>
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<th>Reasons</th>
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- Majors: 00-27: 2, 28-55: 0, 56-83: 0, 84-150: 0, Grad.: 0
- Type: 00-27: Graduate, 28-55: Major, 56-83: Under-grad, 84-150: Non-major
- Codes: A: Required for Majors, B: General, C: Under-grad, D: Non-major, F: Electives