

# Student Course Evaluation Questionnaires

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|                        |                                |
|------------------------|--------------------------------|
| <b>Course-Section:</b> | <b>ENCH 210 01</b>             |
| <b>Title:</b>          | <b>Intro Environmental Eng</b> |
| <b>Instructor:</b>     | <b>Hennigan,Christ</b>         |

**Term - Spring 2013**

|                        |          |
|------------------------|----------|
| <b>Enrollment:</b>     | <b>9</b> |
| <b>Questionnaires:</b> | <b>7</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 0  | 0  | 0           | 0 | 0 | 1 | 6 | 4.86       | 218/1560  | 4.86   | 4.50 | 4.35 | 4.37  | 4.86 |
| 2. Did the instructor make clear the expected goals       | 0  | 0  | 0           | 0 | 0 | 3 | 4 | 4.57       | 534/1559  | 4.57   | 4.28 | 4.31 | 4.33  | 4.57 |
| 3. Did the exam questions reflect the expected goals      | 1  | 0  | 0           | 0 | 2 | 3 | 1 | 3.83       | 1187/1371 | 3.83   | 4.20 | 4.38 | 4.40  | 3.83 |
| 4. Did other evaluations reflect the expected goals       | 0  | 2  | 0           | 0 | 0 | 2 | 3 | 4.60       | 435/1519  | 4.60   | 4.36 | 4.27 | 4.29  | 4.60 |
| 5. Did assigned readings contribute to what you learned   | 0  | 1  | 0           | 0 | 1 | 2 | 3 | 4.33       | 620/1452  | 4.33   | 4.19 | 4.18 | 4.22  | 4.33 |
| 6. Did written assignments contribute to what you learned | 0  | 3  | 0           | 0 | 0 | 2 | 2 | 4.50       | 427/1430  | 4.50   | 4.23 | 4.16 | 4.15  | 4.50 |
| 7. Was the grading system clearly explained               | 0  | 0  | 0           | 0 | 0 | 2 | 5 | 4.71       | 283/1539  | 4.71   | 4.24 | 4.23 | 4.25  | 4.71 |
| 8. How many times was class cancelled                     | 0  | 0  | 0           | 0 | 0 | 1 | 6 | 4.86       | 574/1560  | 4.86   | 4.80 | 4.64 | 4.61  | 4.86 |
| 9. How would you grade the overall teaching effectiveness | 0  | 0  | 0           | 0 | 0 | 7 | 0 | 4.00       | 952/1545  | 4.00   | 4.19 | 4.14 | 4.09  | 4.00 |
| <b>Lecture</b>  |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 0  | 0  | 0           | 0 | 0 | 1 | 6 | 4.86       | 315/1496  | 4.86   | 4.50 | 4.49 | 4.52  | 4.86 |
| 2. Did the instructor seem interested in the subject      | 0  | 0  | 0           | 0 | 0 | 0 | 7 | 5.00       | 1/1498    | 5.00   | 4.77 | 4.75 | 4.78  | 5.00 |
| 3. Was lecture material presented and explained clearly   | 0  | 0  | 0           | 0 | 1 | 2 | 4 | 4.43       | 805/1496  | 4.43   | 4.31 | 4.37 | 4.36  | 4.43 |
| 4. Did the lectures contribute to what you learned        | 0  | 0  | 0           | 0 | 0 | 2 | 5 | 4.71       | 466/1494  | 4.71   | 4.29 | 4.37 | 4.41  | 4.71 |

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| <b>Title:</b>          | <b>Intro Environmental Eng</b> |
| <b>Instructor:</b>     | <b>Hennigan,Christ</b>         |

**Term - Spring 2013**

|                        |          |
|------------------------|----------|
| <b>Enrollment:</b>     | <b>9</b> |
| <b>Questionnaires:</b> | <b>7</b> |

| Questions  | NR | NA | Frequencies |   |   |   |   | Instructor |          | Course | Org  | UMBC | Level | Sect |
|--|----|----|-------------|---|---|---|---|------------|----------|--------|------|------|-------|------|
|  |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank     | Mean   | Mean | Mean | Mean  | Mean |
| <b>Lecture</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 5. Did audiovisual techniques enhance your understanding | 0  | 2  | 0           | 0 | 1 | 1 | 3 | 4.40       | 473/1352 | 4.40   | 4.13 | 4.12 | 4.14  | 4.40 |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type | Majors |                     |   |   |   |           |   |
|----------------|----------|-----------------|---------|------|--------|---------------------|---|---|---|-----------|---|
| 00-27          | 1        | 0.00-0.99       | 0       | A    | 2      | Required for Majors | 4 | Graduate  | 0 | Major     | 7 |
| 28-55          | 0        | 1.00-1.99       | 0       | B    | 2      |                     |   |   |   |           |   |
| 56-83          | 1        | 2.00-2.99       | 2       | C    | 2      | General             | 0 | Under-grad  | 7 | Non-major | 0 |
| 84-150         | 0        | 3.00-3.49       | 1       | D    | 0      |                     |   |   |   |           |   |
| Grad.          | 0        | 3.50-4.00       | 1       | F    | 0      | Electives           | 1 | **** - Means there are not enough responses to be significant |   |           |   |
|                |          |                 |         | P    | 0      |                     |   |   |   |           |   |
|                |          |                 |         | I    | 0      | Other               | 0 |   |   |           |   |
|                |          |                 |         | ?    | 0      |                     |   |   |   |           |   |

# Student Course Evaluation Questionnaires

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|                        |                              |
|------------------------|------------------------------|
| <b>Course-Section:</b> | <b>ENCH 225 01</b>           |
| <b>Title:</b>          | <b>Chem Eng Prob Solving</b> |
| <b>Instructor:</b>     | <b>Enszer,Joshua A</b>       |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>55</b> |
| <b>Questionnaires:</b> | <b>35</b> |

| Questions   | NR | NA | Frequencies |   |   |    |    | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|----|----|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4  | 5  | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |   |    |    |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 1  | 0  | 0           | 0 | 1 | 8  | 25 | 4.71       | 402/1560  | 4.71   | 4.50 | 4.35 | 4.37  | 4.71 |
| 2. Did the instructor make clear the expected goals       | 1  | 0  | 0           | 1 | 3 | 7  | 23 | 4.53       | 600/1559  | 4.53   | 4.28 | 4.31 | 4.33  | 4.53 |
| 3. Did the exam questions reflect the expected goals      | 1  | 0  | 0           | 0 | 6 | 7  | 21 | 4.44       | 701/1371  | 4.44   | 4.20 | 4.38 | 4.40  | 4.44 |
| 4. Did other evaluations reflect the expected goals       | 2  | 0  | 0           | 2 | 2 | 5  | 24 | 4.55       | 503/1519  | 4.55   | 4.36 | 4.27 | 4.29  | 4.55 |
| 5. Did assigned readings contribute to what you learned   | 1  | 2  | 2           | 0 | 6 | 7  | 17 | 4.16       | 814/1452  | 4.16   | 4.19 | 4.18 | 4.22  | 4.16 |
| 6. Did written assignments contribute to what you learned | 1  | 0  | 0           | 0 | 3 | 12 | 19 | 4.47       | 466/1430  | 4.47   | 4.23 | 4.16 | 4.15  | 4.47 |
| 7. Was the grading system clearly explained               | 2  | 0  | 0           | 0 | 2 | 5  | 26 | 4.73       | 273/1539  | 4.73   | 4.24 | 4.23 | 4.25  | 4.73 |
| 8. How many times was class cancelled                     | 2  | 0  | 0           | 0 | 0 | 4  | 29 | 4.88       | 526/1560  | 4.88   | 4.80 | 4.64 | 4.61  | 4.88 |
| 9. How would you grade the overall teaching effectiveness | 5  | 0  | 0           | 1 | 4 | 14 | 11 | 4.17       | 827/1545  | 4.17   | 4.19 | 4.14 | 4.09  | 4.17 |
| <b>Lecture</b>  |    |    |             |   |   |    |    |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 2  | 0  | 0           | 0 | 1 | 9  | 23 | 4.67       | 643/1496  | 4.67   | 4.50 | 4.49 | 4.52  | 4.67 |
| 2. Did the instructor seem interested in the subject      | 2  | 0  | 0           | 0 | 1 | 3  | 29 | 4.85       | 733/1498  | 4.85   | 4.77 | 4.75 | 4.78  | 4.85 |
| 3. Was lecture material presented and explained clearly   | 2  | 0  | 0           | 0 | 2 | 12 | 19 | 4.52       | 688/1496  | 4.52   | 4.31 | 4.37 | 4.36  | 4.52 |
| 4. Did the lectures contribute to what you learned        | 2  | 0  | 0           | 1 | 2 | 9  | 21 | 4.52       | 714/1494  | 4.52   | 4.29 | 4.37 | 4.41  | 4.52 |
| 5. Did audiovisual techniques enhance your understanding  | 4  | 2  | 0           | 0 | 5 | 7  | 17 | 4.41       | 461/1352  | 4.41   | 4.13 | 4.12 | 4.14  | 4.41 |
| <b>Discussion</b>   |    |    |             |   |   |    |    |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 29 | 0  | 0           | 0 | 0 | 4  | 2  | 4.33       | ****/1248 | ****   | 3.93 | 4.23 | 4.25  | **** |
| 2. Were all students actively encouraged to participate   | 31 | 0  | 0           | 0 | 0 | 1  | 3  | 4.75       | ****/1250 | ****   | 4.07 | 4.39 | 4.40  | **** |
| 3. Did the instructor encourage fair and open discussion  | 31 | 0  | 0           | 0 | 0 | 1  | 3  | 4.75       | ****/1239 | ****   | 4.32 | 4.45 | 4.45  | **** |
| 4. Were special techniques successful                     | 31 | 0  | 0           | 0 | 1 | 1  | 2  | 4.25       | ****/906  | ****   | 4.20 | 4.13 | 4.19  | **** |

# Student Course Evaluation Questionnaires

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|------------------------|------------------------------|
| <b>Course-Section:</b> | <b>ENCH 225 01</b>           |
| <b>Title:</b>          | <b>Chem Eng Prob Solving</b> |
| <b>Instructor:</b>     | <b>Enszer,Joshua A</b>       |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>55</b> |
| <b>Questionnaires:</b> | <b>35</b> |

| Questions   | NR | NA | Frequencies |   |   |    |    | Instructor |         | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|----|----|------------|---------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4  | 5  | Mean       | Rank    | Mean   | Mean | Mean | Mean  | Mean |
| <b>Laboratory</b>   |    |    |             |   |   |    |    |            |         |        |      |      |       |      |
| 1. Did the lab increase understanding of the material     | 6  | 0  | 1           | 1 | 4 | 12 | 11 | 4.07       | 137/206 | 4.07   | 4.48 | 4.25 | 4.58  | 4.07 |
| 2. Were you provided with adequate background information | 6  | 0  | 3           | 1 | 8 | 9  | 8  | 3.62       | 199/214 | 3.62   | 4.09 | 4.31 | 4.60  | 3.62 |
| 3. Were necessary materials available for lab activities  | 6  | 1  | 0           | 1 | 2 | 9  | 16 | 4.43       | 139/204 | 4.43   | 4.38 | 4.52 | 4.64  | 4.43 |
| 4. Did the lab instructor provide assistance              | 6  | 1  | 2           | 1 | 4 | 7  | 14 | 4.07       | 173/207 | 4.07   | 4.54 | 4.44 | 4.67  | 4.07 |
| 5. Were requirements for lab reports clearly specified    | 6  | 0  | 2           | 0 | 3 | 10 | 14 | 4.17       | 120/199 | 4.17   | 4.48 | 4.27 | 4.51  | 4.17 |
| <b>Seminar</b>  |    |    |             |   |   |    |    |            |         |        |      |      |       |      |
| 1. Were assigned topics relevant to the announced theme   | 34 | 0  | 0           | 0 | 0 | 1  | 0  | 4.00       | ****/64 | ****   | **** | 4.44 | 4.35  | **** |
| 2. Was the instructor available for individual attention  | 34 | 0  | 0           | 0 | 0 | 0  | 1  | 5.00       | ****/58 | ****   | **** | 4.37 | 4.33  | **** |
| 3. Did research projects contribute to what you learned   | 34 | 0  | 0           | 0 | 0 | 0  | 1  | 5.00       | ****/52 | ****   | **** | 4.41 | 4.33  | **** |
| 4. Did presentations contribute to what you learned       | 34 | 0  | 0           | 0 | 0 | 0  | 1  | 5.00       | ****/66 | ****   | **** | 4.41 | 4.25  | **** |
| 5. Were criteria for grading made clear                   | 34 | 0  | 0           | 0 | 0 | 1  | 0  | 4.00       | ****/63 | ****   | **** | 4.09 | 3.65  | **** |
| <b>Field Work</b>   |    |    |             |   |   |    |    |            |         |        |      |      |       |      |
| 1. Did field experience contribute to what you learned    | 34 | 0  | 1           | 0 | 0 | 0  | 0  | 1.00       | ****/29 | ****   | **** | 4.19 | 5.00  | **** |
| 2. Did you clearly understand your evaluation criteria    | 34 | 0  | 1           | 0 | 0 | 0  | 0  | 1.00       | ****/29 | ****   | **** | 4.11 | 4.25  | **** |
| 3. Was the instructor available for consultation          | 34 | 0  | 0           | 0 | 0 | 0  | 1  | 5.00       | ****/24 | ****   | **** | 4.25 | 4.50  | **** |
| 4. To what degree could you discuss your evaluations      | 34 | 0  | 0           | 0 | 0 | 1  | 0  | 4.00       | ****/26 | ****   | **** | 3.89 | 4.00  | **** |
| 5. Did conferences help you carry out field activities    | 34 | 0  | 0           | 0 | 0 | 0  | 1  | 5.00       | ****/25 | ****   | **** | 4.01 | 4.75  | **** |
| <b>Self Paced</b>   |    |    |             |   |   |    |    |            |         |        |      |      |       |      |
| 1. Did self-paced system contribute to what you learned   | 34 | 0  | 0           | 0 | 0 | 0  | 1  | 5.00       | ****/31 | ****   | **** | 4.35 | 4.75  | **** |
| 2. Did study questions make clear the expected goal       | 34 | 0  | 0           | 0 | 0 | 0  | 1  | 5.00       | ****/22 | ****   | **** | 4.13 | 5.00  | **** |
| 3. Were your contacts with the instructor helpful         | 34 | 0  | 0           | 0 | 0 | 0  | 1  | 5.00       | ****/29 | ****   | **** | 4.41 | 5.00  | **** |

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|------------------------|------------------------------|
| <b>Course-Section:</b> | <b>ENCH 225 01</b>           |
| <b>Title:</b>          | <b>Chem Eng Prob Solving</b> |
| <b>Instructor:</b>     | <b>Enszer,Joshua A</b>       |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>55</b> |
| <b>Questionnaires:</b> | <b>35</b> |

| Questions  | NR | NA | Frequencies |   |   |   |   | Instructor |         | Course | Org  | UMBC | Level | Sect |
|--|----|----|-------------|---|---|---|---|------------|---------|--------|------|------|-------|------|
|  |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank    | Mean   | Mean | Mean | Mean  | Mean |
| <b>Self Paced</b>                                  |    |    |             |   |   |   |   |            |         |        |      |      |       |      |
| 4. Was the feedback/tutoring by proctors helpful   | 34 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/14 | ****   | **** | 4.03 | 4.75  | **** |
| 5. Were there enough proctors for all the students | 34 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/10 | ****   | **** | 3.94 | 4.75  | **** |

## Frequency Distribution

| Credits Earned |   | Cum. GPA  |    | Expected Grades |    | Reasons             |    | Type  |    | Majors    |    |
|----------------|---|-----------|----|-----------------|----|---------------------|----|---|----|-----------|----|
| 00-27          | 1 | 0.00-0.99 | 0  | A               | 9  | Required for Majors | 32 | Graduate  | 0  | Major     | 34 |
| 28-55          | 2 | 1.00-1.99 | 0  | B               | 19 |                     |    |   |    |           |    |
| 56-83          | 9 | 2.00-2.99 | 5  | C               | 1  | General             | 0  | Under-grad  | 35 | Non-major | 1  |
| 84-150         | 7 | 3.00-3.49 | 8  | D               | 0  |                     |    |   |    |           |    |
| Grad.          | 0 | 3.50-4.00 | 11 | F               | 0  | Electives           | 0  | **** - Means there are not enough responses to be significant |    |           |    |
|                |   |           |    | P               | 0  |                     |    |   |    |           |    |
|                |   |           |    | I               | 0  | Other               | 0  |   |    |           |    |
|                |   |           |    | ?               | 3  |                     |    |   |    |           |    |

# Student Course Evaluation Questionnaires

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|                        |                                 |
|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 412 01</b>              |
| <b>Title:</b>          | <b>Env Physicochemical Proc</b> |
| <b>Instructor:</b>     | <b>Blaney, Lee</b>              |

**Term - Spring 2013**

|                        |          |
|------------------------|----------|
| <b>Enrollment:</b>     | <b>7</b> |
| <b>Questionnaires:</b> | <b>7</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |          | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank     | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Did you gain new insights, skills from this course     | 0  | 0  | 0           | 0 | 0 | 0 | 7 | 5.00       | 1/1560   | 5.00   | 4.50 | 4.35 | 4.45  | 5.00 |
| 2. Did the instructor make clear the expected goals       | 0  | 0  | 0           | 0 | 0 | 0 | 7 | 5.00       | 1/1559   | 5.00   | 4.28 | 4.31 | 4.34  | 5.00 |
| 3. Did the exam questions reflect the expected goals      | 0  | 0  | 0           | 0 | 0 | 0 | 7 | 5.00       | 1/1371   | 5.00   | 4.20 | 4.38 | 4.46  | 5.00 |
| 4. Did other evaluations reflect the expected goals       | 0  | 4  | 0           | 0 | 0 | 0 | 3 | 5.00       | 1/1519   | 5.00   | 4.36 | 4.27 | 4.33  | 5.00 |
| 5. Did assigned readings contribute to what you learned   | 0  | 3  | 0           | 0 | 0 | 1 | 3 | 4.75       | 202/1452 | 4.75   | 4.19 | 4.18 | 4.25  | 4.75 |
| 6. Did written assignments contribute to what you learned | 0  | 1  | 0           | 0 | 0 | 1 | 5 | 4.83       | 128/1430 | 4.83   | 4.23 | 4.16 | 4.25  | 4.83 |
| 7. Was the grading system clearly explained               | 0  | 0  | 0           | 0 | 0 | 1 | 6 | 4.86       | 153/1539 | 4.86   | 4.24 | 4.23 | 4.21  | 4.86 |
| 8. How many times was class cancelled                     | 0  | 0  | 0           | 0 | 0 | 0 | 7 | 5.00       | 1/1560   | 5.00   | 4.80 | 4.64 | 4.68  | 5.00 |
| 9. How would you grade the overall teaching effectiveness | 1  | 0  | 0           | 0 | 0 | 0 | 6 | 5.00       | 1/1545   | 5.00   | 4.19 | 4.14 | 4.21  | 5.00 |
| <b>Lecture</b>  |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 0  | 0  | 0           | 0 | 0 | 0 | 7 | 5.00       | 1/1496   | 5.00   | 4.50 | 4.49 | 4.50  | 5.00 |
| 2. Did the instructor seem interested in the subject      | 0  | 0  | 0           | 0 | 0 | 0 | 7 | 5.00       | 1/1498   | 5.00   | 4.77 | 4.75 | 4.77  | 5.00 |
| 3. Was lecture material presented and explained clearly   | 0  | 0  | 0           | 0 | 0 | 0 | 7 | 5.00       | 1/1496   | 5.00   | 4.31 | 4.37 | 4.40  | 5.00 |
| 4. Did the lectures contribute to what you learned        | 0  | 0  | 0           | 0 | 0 | 0 | 7 | 5.00       | 1/1494   | 5.00   | 4.29 | 4.37 | 4.41  | 5.00 |
| 5. Did audiovisual techniques enhance your understanding  | 0  | 0  | 0           | 0 | 1 | 0 | 6 | 4.71       | 175/1352 | 4.71   | 4.13 | 4.12 | 4.16  | 4.71 |
| <b>Discussion</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 5  | 0  | 0           | 0 | 0 | 0 | 2 | 5.00       | 1/1248   | 5.00   | 3.93 | 4.23 | 4.39  | 5.00 |
| 2. Were all students actively encouraged to participate   | 5  | 0  | 0           | 0 | 0 | 1 | 1 | 4.50       | 616/1250 | 4.50   | 4.07 | 4.39 | 4.55  | 4.50 |
| 3. Did the instructor encourage fair and open discussion  | 5  | 0  | 0           | 0 | 0 | 0 | 2 | 5.00       | 1/1239   | 5.00   | 4.32 | 4.45 | 4.61  | 5.00 |

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|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 412 01</b>              |
| <b>Title:</b>          | <b>Env Physicochemical Proc</b> |
| <b>Instructor:</b>     | <b>Blaney, Lee</b>              |

**Term - Spring 2013**

|                        |          |
|------------------------|----------|
| <b>Enrollment:</b>     | <b>7</b> |
| <b>Questionnaires:</b> | <b>7</b> |

| Questions                             | NR | NA | Frequencies |   |   |   |   | Instructor |       | Course | Org  | UMBC | Level | Sect |
|---------------------------------------|----|----|-------------|---|---|---|---|------------|-------|--------|------|------|-------|------|
|                                       |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank  | Mean   | Mean | Mean | Mean  | Mean |
| <b>Discussion</b>                     |    |    |             |   |   |   |   |            |       |        |      |      |       |      |
| 4. Were special techniques successful | 5  | 0  | 0           | 0 | 0 | 0 | 2 | 5.00       | 1/906 | 5.00   | 4.20 | 4.13 | 4.28  | 5.00 |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type                  | Majors       |
|----------------|----------|-----------------|---------|-----------------------|--------------|
| 00-27          | 4        | 0.00-0.99 0     | A 4     | Required for Majors 1 | Graduate 0   |
| 28-55          | 0        | 1.00-1.99 0     | B 3     |                       | Major 6      |
| 56-83          | 0        | 2.00-2.99 0     | C 0     | General 1             | Under-grad 7 |
| 84-150         | 3        | 3.00-3.49 4     | D 0     |                       | Non-major 1  |
| Grad.          | 0        | 3.50-4.00 2     | F 0     | Electives 5           |              |
|                |          |                 | P 0     |                       |              |
|                |          |                 | I 0     | Other 0               |              |
|                |          |                 | ? 0     |                       |              |

\*\*\*\* - Means there are not enough responses to be significant

# Student Course Evaluation Questionnaires

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|                        |                                |
|------------------------|--------------------------------|
| <b>Course-Section:</b> | <b>ENCH 427 01</b>             |
| <b>Title:</b>          | <b>Trans Proc II:Mass Tran</b> |
| <b>Instructor:</b>     | <b>Bayles,Taryn M</b>          |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>46</b> |
| <b>Questionnaires:</b> | <b>35</b> |

| Questions   | NR | NA | Frequencies |   |    |    |    | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|----|----|----|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3  | 4  | 5  | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |    |    |    |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 0  | 0  | 0           | 1 | 4  | 9  | 21 | 4.43       | 779/1560  | 4.43   | 4.50 | 4.35 | 4.45  | 4.43 |
| 2. Did the instructor make clear the expected goals       | 0  | 0  | 1           | 0 | 3  | 10 | 21 | 4.43       | 745/1559  | 4.43   | 4.28 | 4.31 | 4.34  | 4.43 |
| 3. Did the exam questions reflect the expected goals      | 0  | 0  | 1           | 1 | 2  | 10 | 21 | 4.40       | 747/1371  | 4.40   | 4.20 | 4.38 | 4.46  | 4.40 |
| 4. Did other evaluations reflect the expected goals       | 2  | 2  | 0           | 0 | 6  | 7  | 18 | 4.39       | 717/1519  | 4.39   | 4.36 | 4.27 | 4.33  | 4.39 |
| 5. Did assigned readings contribute to what you learned   | 0  | 1  | 1           | 2 | 7  | 8  | 16 | 4.06       | 908/1452  | 4.06   | 4.19 | 4.18 | 4.25  | 4.06 |
| 6. Did written assignments contribute to what you learned | 0  | 2  | 2           | 2 | 11 | 9  | 9  | 3.64       | 1172/1430 | 3.64   | 4.23 | 4.16 | 4.25  | 3.64 |
| 7. Was the grading system clearly explained               | 0  | 1  | 1           | 3 | 6  | 5  | 19 | 4.12       | 1007/1539 | 4.12   | 4.24 | 4.23 | 4.21  | 4.12 |
| 8. How many times was class cancelled                     | 1  | 0  | 0           | 1 | 0  | 6  | 27 | 4.74       | 808/1560  | 4.74   | 4.80 | 4.64 | 4.68  | 4.74 |
| 9. How would you grade the overall teaching effectiveness | 6  | 1  | 1           | 0 | 2  | 10 | 15 | 4.36       | 612/1545  | 4.36   | 4.19 | 4.14 | 4.21  | 4.36 |
| <b>Lecture</b>  |    |    |             |   |    |    |    |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 0  | 0  | 1           | 0 | 2  | 8  | 24 | 4.54       | 820/1496  | 4.54   | 4.50 | 4.49 | 4.50  | 4.54 |
| 2. Did the instructor seem interested in the subject      | 0  | 0  | 0           | 0 | 2  | 5  | 28 | 4.74       | 954/1498  | 4.74   | 4.77 | 4.75 | 4.77  | 4.74 |
| 3. Was lecture material presented and explained clearly   | 0  | 0  | 1           | 0 | 5  | 9  | 20 | 4.34       | 900/1496  | 4.34   | 4.31 | 4.37 | 4.40  | 4.34 |
| 4. Did the lectures contribute to what you learned        | 1  | 0  | 1           | 1 | 1  | 10 | 21 | 4.44       | 800/1494  | 4.44   | 4.29 | 4.37 | 4.41  | 4.44 |
| 5. Did audiovisual techniques enhance your understanding  | 4  | 15 | 3           | 0 | 3  | 4  | 6  | 3.63       | 1113/1352 | 3.63   | 4.13 | 4.12 | 4.16  | 3.63 |
| <b>Discussion</b>   |    |    |             |   |    |    |    |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 18 | 0  | 1           | 0 | 3  | 4  | 9  | 4.18       | 739/1248  | 4.18   | 3.93 | 4.23 | 4.39  | 4.18 |
| 2. Were all students actively encouraged to participate   | 19 | 0  | 1           | 0 | 1  | 3  | 11 | 4.44       | 675/1250  | 4.44   | 4.07 | 4.39 | 4.55  | 4.44 |
| 3. Did the instructor encourage fair and open discussion  | 19 | 0  | 1           | 0 | 1  | 4  | 10 | 4.38       | 785/1239  | 4.38   | 4.32 | 4.45 | 4.61  | 4.38 |
| 4. Were special techniques successful                     | 19 | 7  | 0           | 2 | 2  | 0  | 5  | 3.89       | 637/906   | 3.89   | 4.20 | 4.13 | 4.28  | 3.89 |



# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                |
|------------------------|--------------------------------|
| <b>Course-Section:</b> | <b>ENCH 427 01</b>             |
| <b>Title:</b>          | <b>Trans Proc II:Mass Tran</b> |
| <b>Instructor:</b>     | <b>Bayles,Taryn M</b>          |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>46</b> |
| <b>Questionnaires:</b> | <b>35</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |          | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank     | Mean   | Mean | Mean | Mean  | Mean |
| <b>Laboratory</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Did the lab increase understanding of the material     | 34 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/206 | ****   | 4.48 | 4.25 | 4.48  | **** |
| 2. Were you provided with adequate background information | 34 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/214 | ****   | 4.09 | 4.31 | 4.37  | **** |
| 3. Were necessary materials available for lab activities  | 34 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/204 | ****   | 4.38 | 4.52 | 4.39  | **** |
| 4. Did the lab instructor provide assistance              | 34 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/207 | ****   | 4.54 | 4.44 | 4.49  | **** |
| 5. Were requirements for lab reports clearly specified    | 34 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/199 | ****   | 4.48 | 4.27 | 4.42  | **** |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type | Majors |                     |    |            |    |           |    |
|----------------|----------|-----------------|---------|------|--------|---------------------|----|------------|----|-----------|----|
| 00-27          | 1        | 0.00-0.99       | 1       | A    | 4      | Required for Majors | 30 | Graduate   | 0  | Major     | 33 |
| 28-55          | 0        | 1.00-1.99       | 0       | B    | 12     |                     |    |            |    |           |    |
| 56-83          | 3        | 2.00-2.99       | 7       | C    | 14     | General             | 0  | Under-grad | 35 | Non-major | 2  |
| 84-150         | 13       | 3.00-3.49       | 6       | D    | 0      |                     |    |            |    |           |    |
| Grad.          | 0        | 3.50-4.00       | 12      | F    | 0      | Electives           | 0  |            |    |           |    |
|                |          |                 |         | P    | 0      |                     |    |            |    |           |    |
|                |          |                 |         | I    | 0      | Other               | 0  |            |    |           |    |
|                |          |                 |         | ?    | 5      |                     |    |            |    |           |    |

\*\*\*\* - Means there are not enough responses to be significant

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                  |
|------------------------|----------------------------------|
| <b>Course-Section:</b> | <b>ENCH 440 01</b>               |
| <b>Title:</b>          | <b>Chem Engineering Kinetics</b> |
| <b>Instructor:</b>     | <b>Reed, Brian E</b>             |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>41</b> |
| <b>Questionnaires:</b> | <b>32</b> |

| Questions   | NR | NA | Frequencies |   |    |    |    | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|----|----|----|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3  | 4  | 5  | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |    |    |    |            |           |        |      |      |       |      |
| 1. Did you gain new insights, skills from this course     | 0  | 0  | 2           | 3 | 2  | 10 | 15 | 4.03       | 1175/1560 | 4.03   | 4.50 | 4.35 | 4.45  | 4.03 |
| 2. Did the instructor make clear the expected goals       | 0  | 0  | 2           | 3 | 11 | 6  | 10 | 3.59       | 1425/1559 | 3.59   | 4.28 | 4.31 | 4.34  | 3.59 |
| 3. Did the exam questions reflect the expected goals      | 1  | 0  | 2           | 6 | 11 | 5  | 7  | 3.29       | 1326/1371 | 3.29   | 4.20 | 4.38 | 4.46  | 3.29 |
| 4. Did other evaluations reflect the expected goals       | 1  | 5  | 2           | 2 | 8  | 9  | 5  | 3.50       | 1411/1519 | 3.50   | 4.36 | 4.27 | 4.33  | 3.50 |
| 5. Did assigned readings contribute to what you learned   | 1  | 0  | 0           | 1 | 4  | 9  | 17 | 4.35       | 601/1452  | 4.35   | 4.19 | 4.18 | 4.25  | 4.35 |
| 6. Did written assignments contribute to what you learned | 2  | 5  | 4           | 1 | 6  | 7  | 7  | 3.48       | 1253/1430 | 3.48   | 4.23 | 4.16 | 4.25  | 3.48 |
| 7. Was the grading system clearly explained               | 2  | 0  | 3           | 5 | 5  | 6  | 11 | 3.57       | 1369/1539 | 3.57   | 4.24 | 4.23 | 4.21  | 3.57 |
| 8. How many times was class cancelled                     | 1  | 0  | 0           | 0 | 0  | 17 | 14 | 4.45       | 1110/1560 | 4.45   | 4.80 | 4.64 | 4.68  | 4.45 |
| 9. How would you grade the overall teaching effectiveness | 11 | 1  | 1           | 4 | 8  | 6  | 1  | 3.10       | 1472/1545 | 3.10   | 4.19 | 4.14 | 4.21  | 3.10 |
| <b>Lecture</b>  |    |    |             |   |    |    |    |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 1  | 0  | 2           | 3 | 8  | 8  | 10 | 3.68       | 1406/1496 | 3.68   | 4.50 | 4.49 | 4.50  | 3.68 |
| 2. Did the instructor seem interested in the subject      | 1  | 0  | 1           | 3 | 5  | 9  | 13 | 3.97       | 1448/1498 | 3.97   | 4.77 | 4.75 | 4.77  | 3.97 |
| 3. Was lecture material presented and explained clearly   | 1  | 0  | 1           | 6 | 5  | 12 | 7  | 3.58       | 1360/1496 | 3.58   | 4.31 | 4.37 | 4.40  | 3.58 |
| 4. Did the lectures contribute to what you learned        | 2  | 0  | 4           | 6 | 7  | 7  | 6  | 3.17       | 1437/1494 | 3.17   | 4.29 | 4.37 | 4.41  | 3.17 |
| 5. Did audiovisual techniques enhance your understanding  | 1  | 10 | 2           | 6 | 8  | 3  | 2  | 2.86       | 1304/1352 | 2.86   | 4.13 | 4.12 | 4.16  | 2.86 |
| <b>Discussion</b>   |    |    |             |   |    |    |    |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 2  | 0  | 16          | 4 | 3  | 4  | 3  | 2.13       | 1242/1248 | 2.13   | 3.93 | 4.23 | 4.39  | 2.13 |
| 2. Were all students actively encouraged to participate   | 3  | 0  | 7           | 5 | 5  | 5  | 7  | 3.00       | 1221/1250 | 3.00   | 4.07 | 4.39 | 4.55  | 3.00 |
| 3. Did the instructor encourage fair and open discussion  | 4  | 0  | 3           | 4 | 8  | 3  | 10 | 3.46       | 1174/1239 | 3.46   | 4.32 | 4.45 | 4.61  | 3.46 |
| 4. Were special techniques successful                     | 3  | 17 | 5           | 1 | 3  | 0  | 3  | 2.58       | 890/906   | 2.58   | 4.20 | 4.13 | 4.28  | 2.58 |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                  |
|------------------------|----------------------------------|
| <b>Course-Section:</b> | <b>ENCH 440 01</b>               |
| <b>Title:</b>          | <b>Chem Engineering Kinetics</b> |
| <b>Instructor:</b>     | <b>Reed, Brian E</b>             |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>41</b> |
| <b>Questionnaires:</b> | <b>32</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |          | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank     | Mean   | Mean | Mean | Mean  | Mean |
| <b>Laboratory</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 2. Were you provided with adequate background information | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/214 | ****   | 4.09 | 4.31 | 4.37  | **** |
| 3. Were necessary materials available for lab activities  | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/204 | ****   | 4.38 | 4.52 | 4.39  | **** |
| 4. Did the lab instructor provide assistance              | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/207 | ****   | 4.54 | 4.44 | 4.49  | **** |
| 5. Were requirements for lab reports clearly specified    | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/199 | ****   | 4.48 | 4.27 | 4.42  | **** |
| <b>Seminar</b>  |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Were assigned topics relevant to the announced theme   | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/64  | ****   | **** | 4.44 | 4.65  | **** |
| 2. Was the instructor available for individual attention  | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/58  | ****   | **** | 4.37 | 4.40  | **** |
| 3. Did research projects contribute to what you learned   | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/52  | ****   | **** | 4.41 | 4.57  | **** |
| 4. Did presentations contribute to what you learned       | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/66  | ****   | **** | 4.41 | 4.55  | **** |
| 5. Were criteria for grading made clear                   | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/63  | ****   | **** | 4.09 | 4.18  | **** |
| <b>Field Work</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Did field experience contribute to what you learned    | 31 | 0  | 1           | 0 | 0 | 0 | 0 | 1.00       | ****/29  | ****   | **** | 4.19 | 4.50  | **** |
| 2. Did you clearly understand your evaluation criteria    | 31 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/29  | ****   | **** | 4.11 | 4.35  | **** |
| 3. Was the instructor available for consultation          | 31 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/24  | ****   | **** | 4.25 | 4.40  | **** |
| 4. To what degree could you discuss your evaluations      | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/26  | ****   | **** | 3.89 | 4.14  | **** |
| 5. Did conferences help you carry out field activities    | 31 | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/25  | ****   | **** | 4.01 | 4.34  | **** |
| <b>Self Paced</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Did self-paced system contribute to what you learned   | 31 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/31  | ****   | **** | 4.35 | 4.64  | **** |
| 2. Did study questions make clear the expected goal       | 31 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/22  | ****   | **** | 4.13 | 3.97  | **** |
| 3. Were your contacts with the instructor helpful         | 31 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/29  | ****   | **** | 4.41 | 4.52  | **** |
| 4. Was the feedback/tutoring by proctors helpful          | 31 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/14  | ****   | **** | 4.03 | 4.47  | **** |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                 |
|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 440 01</b>              |
| <b>Title:</b>          | <b>Chem Engineering Kinetcs</b> |
| <b>Instructor:</b>     | <b>Reed,Brian E</b>             |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>41</b> |
| <b>Questionnaires:</b> | <b>32</b> |

| Questions  | NR | NA | Frequencies |   |   |   |   | Instructor |         | Course | Org  | UMBC | Level | Sect |
|--|----|----|-------------|---|---|---|---|------------|---------|--------|------|------|-------|------|
|  |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank    | Mean   | Mean | Mean | Mean  | Mean |
| <b>Self Paced</b>                                  |    |    |             |   |   |   |   |            |         |        |      |      |       |      |
| 5. Were there enough proctors for all the students | 31 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/10 | ****   | **** | 3.94 | 4.17  | **** |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type | Majors |                     |    |   |    |           |    |
|----------------|----------|-----------------|---------|------|--------|---------------------|----|---|----|-----------|----|
| 00-27          | 0        | 0.00-0.99       | 0       | A    | 9      | Required for Majors | 26 | Graduate  | 0  | Major     | 26 |
| 28-55          | 0        | 1.00-1.99       | 0       | B    | 9      |                     |    |   |    |           |    |
| 56-83          | 2        | 2.00-2.99       | 5       | C    | 6      | General             | 0  | Under-grad  | 32 | Non-major | 6  |
| 84-150         | 9        | 3.00-3.49       | 4       | D    | 0      |                     |    |   |    |           |    |
| Grad.          | 0        | 3.50-4.00       | 10      | F    | 0      | Electives           | 0  | **** - Means there are not enough responses to be significant |    |           |    |
|                |          |                 |         | P    | 0      |                     |    |   |    |           |    |
|                |          |                 |         | I    | 0      | Other               | 0  |   |    |           |    |
|                |          |                 |         | ?    | 5      |                     |    |   |    |           |    |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                 |
|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 442 01</b>              |
| <b>Title:</b>          | <b>Chem Engineering Sys Anl</b> |
| <b>Instructor:</b>     | <b>Enszer,Joshua A</b>          |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>40</b> |
| <b>Questionnaires:</b> | <b>32</b> |

| Questions   | NR | NA | Frequencies |   |    |    |    | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|----|----|----|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3  | 4  | 5  | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |    |    |    |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 0  | 0  | 0           | 0 | 4  | 13 | 15 | 4.34       | 875/1560  | 4.34   | 4.50 | 4.35 | 4.45  | 4.34 |
| 2. Did the instructor make clear the expected goals       | 1  | 0  | 0           | 1 | 5  | 10 | 15 | 4.26       | 942/1559  | 4.26   | 4.28 | 4.31 | 4.34  | 4.26 |
| 3. Did the exam questions reflect the expected goals      | 1  | 0  | 1           | 1 | 6  | 13 | 10 | 3.97       | 1100/1371 | 3.97   | 4.20 | 4.38 | 4.46  | 3.97 |
| 4. Did other evaluations reflect the expected goals       | 1  | 1  | 0           | 2 | 3  | 11 | 14 | 4.23       | 887/1519  | 4.23   | 4.36 | 4.27 | 4.33  | 4.23 |
| 5. Did assigned readings contribute to what you learned   | 1  | 0  | 1           | 2 | 11 | 9  | 8  | 3.68       | 1208/1452 | 3.68   | 4.19 | 4.18 | 4.25  | 3.68 |
| 6. Did written assignments contribute to what you learned | 1  | 0  | 0           | 2 | 8  | 11 | 10 | 3.94       | 971/1430  | 3.94   | 4.23 | 4.16 | 4.25  | 3.94 |
| 7. Was the grading system clearly explained               | 1  | 0  | 0           | 1 | 1  | 7  | 22 | 4.61       | 420/1539  | 4.61   | 4.24 | 4.23 | 4.21  | 4.61 |
| 8. How many times was class cancelled                     | 1  | 0  | 0           | 0 | 0  | 1  | 30 | 4.97       | 182/1560  | 4.97   | 4.80 | 4.64 | 4.68  | 4.97 |
| 9. How would you grade the overall teaching effectiveness | 4  | 1  | 0           | 1 | 7  | 7  | 12 | 4.11       | 876/1545  | 4.11   | 4.19 | 4.14 | 4.21  | 4.11 |
| <b>Lecture</b>  |    |    |             |   |    |    |    |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 1  | 0  | 0           | 1 | 1  | 7  | 22 | 4.61       | 727/1496  | 4.61   | 4.50 | 4.49 | 4.50  | 4.61 |
| 2. Did the instructor seem interested in the subject      | 1  | 0  | 0           | 0 | 2  | 5  | 24 | 4.71       | 1023/1498 | 4.71   | 4.77 | 4.75 | 4.77  | 4.71 |
| 3. Was lecture material presented and explained clearly   | 1  | 0  | 0           | 2 | 9  | 9  | 11 | 3.94       | 1230/1496 | 3.94   | 4.31 | 4.37 | 4.40  | 3.94 |
| 4. Did the lectures contribute to what you learned        | 1  | 0  | 1           | 1 | 7  | 10 | 12 | 4.00       | 1147/1494 | 4.00   | 4.29 | 4.37 | 4.41  | 4.00 |
| 5. Did audiovisual techniques enhance your understanding  | 3  | 3  | 0           | 1 | 9  | 4  | 12 | 4.04       | 808/1352  | 4.04   | 4.13 | 4.12 | 4.16  | 4.04 |
| <b>Discussion</b>   |    |    |             |   |    |    |    |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 30 | 0  | 0           | 0 | 0  | 0  | 2  | 5.00       | ****/1248 | ****   | 3.93 | 4.23 | 4.39  | **** |
| 2. Were all students actively encouraged to participate   | 30 | 0  | 0           | 0 | 0  | 0  | 2  | 5.00       | ****/1250 | ****   | 4.07 | 4.39 | 4.55  | **** |
| 3. Did the instructor encourage fair and open discussion  | 30 | 0  | 0           | 0 | 0  | 0  | 2  | 5.00       | ****/1239 | ****   | 4.32 | 4.45 | 4.61  | **** |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                 |
|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 442 01</b>              |
| <b>Title:</b>          | <b>Chem Engineering Sys Anl</b> |
| <b>Instructor:</b>     | <b>Enszer,Joshua A</b>          |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>40</b> |
| <b>Questionnaires:</b> | <b>32</b> |

| Questions                             | NR | NA | Frequencies |   |   |   |   | Instructor |          | Course | Org  | UMBC | Level | Sect |
|---------------------------------------|----|----|-------------|---|---|---|---|------------|----------|--------|------|------|-------|------|
|                                       |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank     | Mean   | Mean | Mean | Mean  | Mean |
| <b>Discussion</b>                     |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 4. Were special techniques successful | 30 | 1  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/906 | ****   | 4.20 | 4.13 | 4.28  | **** |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type | Majors |                     |    |            |    |           |    |
|----------------|----------|-----------------|---------|------|--------|---------------------|----|------------|----|-----------|----|
| 00-27          | 0        | 0.00-0.99       | 0       | A    | 8      | Required for Majors | 28 | Graduate   | 0  | Major     | 31 |
| 28-55          | 0        | 1.00-1.99       | 0       | B    | 17     |                     |    |            |    |           |    |
| 56-83          | 0        | 2.00-2.99       | 7       | C    | 6      | General             | 0  | Under-grad | 32 | Non-major | 1  |
| 84-150         | 14       | 3.00-3.49       | 2       | D    | 0      |                     |    |            |    |           |    |
| Grad.          | 0        | 3.50-4.00       | 12      | F    | 0      | Electives           | 0  |            |    |           |    |
|                |          |                 |         | P    | 0      |                     |    |            |    |           |    |
|                |          |                 |         | I    | 0      | Other               | 0  |            |    |           |    |
|                |          |                 |         | ?    | 0      |                     |    |            |    |           |    |

\*\*\*\* - Means there are not enough responses to be significant

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                 |
|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 446 01</b>              |
| <b>Title:</b>          | <b>Proc Engineering Econ II</b> |
| <b>Instructor:</b>     | <b>Castellanos,Mar</b>          |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>40</b> |
| <b>Questionnaires:</b> | <b>38</b> |

| Questions   | NR | NA | Frequencies |   |   |    |    | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|----|----|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4  | 5  | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |   |    |    |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 3  | 0  | 1           | 0 | 2 | 12 | 20 | 4.43       | 779/1560  | 4.43   | 4.50 | 4.35 | 4.45  | 4.43 |
| 2. Did the instructor make clear the expected goals       | 4  | 0  | 1           | 1 | 3 | 15 | 14 | 4.18       | 1021/1559 | 4.18   | 4.28 | 4.31 | 4.34  | 4.18 |
| 3. Did the exam questions reflect the expected goals      | 3  | 28 | 0           | 0 | 1 | 3  | 3  | 4.29       | ****/1371 | ****   | 4.20 | 4.38 | 4.46  | **** |
| 4. Did other evaluations reflect the expected goals       | 3  | 1  | 1           | 0 | 3 | 9  | 21 | 4.44       | 635/1519  | 4.44   | 4.36 | 4.27 | 4.33  | 4.44 |
| 5. Did assigned readings contribute to what you learned   | 3  | 23 | 1           | 1 | 4 | 3  | 3  | 3.50       | 1290/1452 | 3.50   | 4.19 | 4.18 | 4.25  | 3.50 |
| 6. Did written assignments contribute to what you learned | 4  | 3  | 0           | 1 | 4 | 11 | 15 | 4.29       | 664/1430  | 4.29   | 4.23 | 4.16 | 4.25  | 4.29 |
| 7. Was the grading system clearly explained               | 4  | 0  | 5           | 5 | 9 | 6  | 9  | 3.26       | 1431/1539 | 3.26   | 4.24 | 4.23 | 4.21  | 3.26 |
| 8. How many times was class cancelled                     | 5  | 0  | 0           | 0 | 0 | 17 | 16 | 4.48       | 1074/1560 | 4.48   | 4.80 | 4.64 | 4.68  | 4.48 |
| 9. How would you grade the overall teaching effectiveness | 12 | 0  | 1           | 0 | 4 | 12 | 9  | 4.08       | 905/1545  | 4.08   | 4.19 | 4.14 | 4.21  | 4.08 |
| <b>Lecture</b>  |    |    |             |   |   |    |    |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 10 | 0  | 1           | 1 | 3 | 7  | 16 | 4.29       | 1120/1496 | 4.29   | 4.50 | 4.49 | 4.50  | 4.29 |
| 2. Did the instructor seem interested in the subject      | 10 | 0  | 0           | 0 | 0 | 4  | 24 | 4.86       | 704/1498  | 4.86   | 4.77 | 4.75 | 4.77  | 4.86 |
| 3. Was lecture material presented and explained clearly   | 10 | 0  | 0           | 1 | 7 | 5  | 15 | 4.21       | 1026/1496 | 4.21   | 4.31 | 4.37 | 4.40  | 4.21 |
| 4. Did the lectures contribute to what you learned        | 11 | 0  | 5           | 2 | 6 | 3  | 11 | 3.48       | 1388/1494 | 3.48   | 4.29 | 4.37 | 4.41  | 3.48 |
| 5. Did audiovisual techniques enhance your understanding  | 11 | 2  | 0           | 3 | 2 | 5  | 15 | 4.28       | 599/1352  | 4.28   | 4.13 | 4.12 | 4.16  | 4.28 |
| <b>Discussion</b>   |    |    |             |   |   |    |    |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 36 | 0  | 0           | 0 | 0 | 2  | 0  | 4.00       | ****/1248 | ****   | 3.93 | 4.23 | 4.39  | **** |
| 2. Were all students actively encouraged to participate   | 36 | 0  | 0           | 0 | 0 | 1  | 1  | 4.50       | ****/1250 | ****   | 4.07 | 4.39 | 4.55  | **** |
| 3. Did the instructor encourage fair and open discussion  | 36 | 0  | 0           | 0 | 0 | 1  | 1  | 4.50       | ****/1239 | ****   | 4.32 | 4.45 | 4.61  | **** |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                 |
|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 446 01</b>              |
| <b>Title:</b>          | <b>Proc Engineering Econ II</b> |
| <b>Instructor:</b>     | <b>Castellanos,Mar</b>          |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>40</b> |
| <b>Questionnaires:</b> | <b>38</b> |

| Questions                             | NR | NA | Frequencies |   |   |   |   | Instructor |          | Course | Org  | UMBC | Level | Sect |
|---------------------------------------|----|----|-------------|---|---|---|---|------------|----------|--------|------|------|-------|------|
|                                       |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank     | Mean   | Mean | Mean | Mean  | Mean |
| <b>Discussion</b>                     |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 4. Were special techniques successful | 36 | 0  | 0           | 0 | 0 | 1 | 1 | 4.50       | ****/906 | ****   | 4.20 | 4.13 | 4.28  | **** |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type                   | Majors        |
|----------------|----------|-----------------|---------|------------------------|---------------|
| 00-27          | 2        | 0.00-0.99 0     | A 16    | Required for Majors 30 | Graduate 0    |
| 28-55          | 0        | 1.00-1.99 0     | B 11    |                        | Major 29      |
| 56-83          | 0        | 2.00-2.99 3     | C 1     | General 0              | Under-grad 38 |
| 84-150         | 10       | 3.00-3.49 9     | D 0     |                        | Non-major 9   |
| Grad.          | 0        | 3.50-4.00 7     | F 0     | Electives 0            |               |
|                |          |                 | P 0     |                        |               |
|                |          |                 | I 0     | Other 0                |               |
|                |          |                 | ? 7     |                        |               |

\*\*\*\* - Means there are not enough responses to be significant



# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                 |
|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 450 01</b>              |
| <b>Title:</b>          | <b>Chem Process Development</b> |
| <b>Instructor:</b>     | <b>Rudesill,John A</b>          |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>17</b> |
| <b>Questionnaires:</b> | <b>12</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 3  | 0  | 0           | 0 | 1 | 2 | 6 | 4.56       | 603/1560  | 4.56   | 4.50 | 4.35 | 4.45  | 4.56 |
| 2. Did the instructor make clear the expected goals       | 3  | 0  | 0           | 0 | 1 | 3 | 5 | 4.44       | 715/1559  | 4.44   | 4.28 | 4.31 | 4.34  | 4.44 |
| 3. Did the exam questions reflect the expected goals      | 3  | 0  | 0           | 0 | 1 | 1 | 7 | 4.67       | 442/1371  | 4.67   | 4.20 | 4.38 | 4.46  | 4.67 |
| 4. Did other evaluations reflect the expected goals       | 3  | 0  | 0           | 0 | 2 | 0 | 7 | 4.56       | 492/1519  | 4.56   | 4.36 | 4.27 | 4.33  | 4.56 |
| 5. Did assigned readings contribute to what you learned   | 3  | 0  | 0           | 1 | 1 | 3 | 4 | 4.11       | 857/1452  | 4.11   | 4.19 | 4.18 | 4.25  | 4.11 |
| 6. Did written assignments contribute to what you learned | 3  | 0  | 0           | 0 | 1 | 2 | 6 | 4.56       | 375/1430  | 4.56   | 4.23 | 4.16 | 4.25  | 4.56 |
| 7. Was the grading system clearly explained               | 3  | 0  | 0           | 0 | 2 | 1 | 6 | 4.44       | 622/1539  | 4.44   | 4.24 | 4.23 | 4.21  | 4.44 |
| 8. How many times was class cancelled                     | 4  | 0  | 0           | 0 | 0 | 0 | 8 | 5.00       | 1/1560    | 5.00   | 4.80 | 4.64 | 4.68  | 5.00 |
| 9. How would you grade the overall teaching effectiveness | 4  | 0  | 0           | 0 | 1 | 4 | 3 | 4.25       | 733/1545  | 4.25   | 4.19 | 4.14 | 4.21  | 4.25 |
| <b>Lecture</b>  |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 3  | 0  | 0           | 0 | 0 | 1 | 8 | 4.89       | 262/1496  | 4.89   | 4.50 | 4.49 | 4.50  | 4.89 |
| 2. Did the instructor seem interested in the subject      | 3  | 0  | 0           | 0 | 0 | 0 | 9 | 5.00       | 1/1498    | 5.00   | 4.77 | 4.75 | 4.77  | 5.00 |
| 3. Was lecture material presented and explained clearly   | 3  | 0  | 0           | 0 | 0 | 3 | 6 | 4.67       | 504/1496  | 4.67   | 4.31 | 4.37 | 4.40  | 4.67 |
| 4. Did the lectures contribute to what you learned        | 3  | 0  | 0           | 0 | 1 | 1 | 7 | 4.67       | 532/1494  | 4.67   | 4.29 | 4.37 | 4.41  | 4.67 |
| 5. Did audiovisual techniques enhance your understanding  | 3  | 0  | 0           | 1 | 1 | 1 | 6 | 4.33       | 547/1352  | 4.33   | 4.13 | 4.12 | 4.16  | 4.33 |
| <b>Discussion</b>   |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 10 | 0  | 0           | 0 | 0 | 0 | 2 | 5.00       | ****/1248 | ****   | 3.93 | 4.23 | 4.39  | **** |
| 2. Were all students actively encouraged to participate   | 10 | 0  | 0           | 0 | 0 | 0 | 2 | 5.00       | ****/1250 | ****   | 4.07 | 4.39 | 4.55  | **** |
| 3. Did the instructor encourage fair and open discussion  | 10 | 0  | 0           | 0 | 0 | 0 | 2 | 5.00       | ****/1239 | ****   | 4.32 | 4.45 | 4.61  | **** |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                 |
|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 450 01</b>              |
| <b>Title:</b>          | <b>Chem Process Development</b> |
| <b>Instructor:</b>     | <b>Rudesill,John A</b>          |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>17</b> |
| <b>Questionnaires:</b> | <b>12</b> |

| Questions                             | NR | NA | Frequencies |   |   |   |   | Instructor |          | Course | Org  | UMBC | Level | Sect |
|---------------------------------------|----|----|-------------|---|---|---|---|------------|----------|--------|------|------|-------|------|
|                                       |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank     | Mean   | Mean | Mean | Mean  | Mean |
| <b>Discussion</b>                     |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 4. Were special techniques successful | 10 | 0  | 0           | 0 | 0 | 1 | 1 | 4.50       | ****/906 | ****   | 4.20 | 4.13 | 4.28  | **** |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type                  | Majors  |
|----------------|----------|-----------------|---------|-----------------------|---|
| 00-27          | 0        | 0.00-0.99 0     | A 5     | Required for Majors 2 | Graduate 1 Major 5  |
| 28-55          | 0        | 1.00-1.99 0     | B 2     |                       |   |
| 56-83          | 0        | 2.00-2.99 0     | C 0     | General 0             | Under-grad 11 Non-major 7                                     |
| 84-150         | 2        | 3.00-3.49 2     | D 0     |                       |   |
| Grad.          | 1        | 3.50-4.00 2     | F 0     | Electives 5           | **** - Means there are not enough responses to be significant |
|                |          |                 | P 0     |                       |   |
|                |          |                 | I 0     | Other 0               |   |
|                |          |                 | ? 5     |                       |   |

# Student Course Evaluation Questionnaires

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|                        |                               |
|------------------------|-------------------------------|
| <b>Course-Section:</b> | <b>ENCH 484 01</b>            |
| <b>Title:</b>          | <b>Biomedical Engineering</b> |
| <b>Instructor:</b>     | <b>Castellanos,Mar</b>        |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>16</b> |
| <b>Questionnaires:</b> | <b>13</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 1  | 0  | 0           | 0 | 2 | 6 | 4 | 4.17       | 1082/1560 | 4.17   | 4.50 | 4.35 | 4.45  | 4.17 |
| 2. Did the instructor make clear the expected goals       | 1  | 0  | 1           | 1 | 5 | 5 | 0 | 3.17       | 1513/1559 | 3.17   | 4.28 | 4.31 | 4.34  | 3.17 |
| 3. Did the exam questions reflect the expected goals      | 1  | 7  | 0           | 0 | 3 | 1 | 1 | 3.60       | 1264/1371 | 3.60   | 4.20 | 4.38 | 4.46  | 3.60 |
| 4. Did other evaluations reflect the expected goals       | 1  | 0  | 0           | 0 | 5 | 5 | 2 | 3.75       | 1294/1519 | 3.75   | 4.36 | 4.27 | 4.33  | 3.75 |
| 5. Did assigned readings contribute to what you learned   | 2  | 0  | 0           | 0 | 2 | 4 | 5 | 4.27       | 681/1452  | 4.27   | 4.19 | 4.18 | 4.25  | 4.27 |
| 6. Did written assignments contribute to what you learned | 2  | 1  | 0           | 1 | 2 | 5 | 2 | 3.80       | 1061/1430 | 3.80   | 4.23 | 4.16 | 4.25  | 3.80 |
| 7. Was the grading system clearly explained               | 2  | 0  | 1           | 3 | 3 | 0 | 4 | 3.27       | 1430/1539 | 3.27   | 4.24 | 4.23 | 4.21  | 3.27 |
| 8. How many times was class cancelled                     | 2  | 0  | 0           | 0 | 0 | 2 | 9 | 4.82       | 670/1560  | 4.82   | 4.80 | 4.64 | 4.68  | 4.82 |
| 9. How would you grade the overall teaching effectiveness | 3  | 0  | 0           | 0 | 3 | 4 | 3 | 4.00       | 952/1545  | 4.00   | 4.19 | 4.14 | 4.21  | 4.00 |
| <b>Lecture</b>  |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 3  | 0  | 1           | 0 | 2 | 5 | 2 | 3.70       | 1401/1496 | 3.70   | 4.50 | 4.49 | 4.50  | 3.70 |
| 2. Did the instructor seem interested in the subject      | 3  | 0  | 0           | 0 | 0 | 3 | 7 | 4.70       | 1023/1498 | 4.70   | 4.77 | 4.75 | 4.77  | 4.70 |
| 3. Was lecture material presented and explained clearly   | 3  | 0  | 1           | 0 | 1 | 4 | 4 | 4.00       | 1175/1496 | 4.00   | 4.31 | 4.37 | 4.40  | 4.00 |
| 4. Did the lectures contribute to what you learned        | 3  | 0  | 1           | 1 | 0 | 4 | 4 | 3.90       | 1232/1494 | 3.90   | 4.29 | 4.37 | 4.41  | 3.90 |
| 5. Did audiovisual techniques enhance your understanding  | 3  | 1  | 0           | 0 | 1 | 2 | 6 | 4.56       | 309/1352  | 4.56   | 4.13 | 4.12 | 4.16  | 4.56 |
| <b>Discussion</b>   |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 9  | 0  | 0           | 1 | 0 | 1 | 2 | 4.00       | 822/1248  | 4.00   | 3.93 | 4.23 | 4.39  | 4.00 |
| 2. Were all students actively encouraged to participate   | 9  | 0  | 0           | 0 | 0 | 0 | 4 | 5.00       | 1/1250    | 5.00   | 4.07 | 4.39 | 4.55  | 5.00 |
| 3. Did the instructor encourage fair and open discussion  | 9  | 0  | 0           | 0 | 0 | 0 | 4 | 5.00       | 1/1239    | 5.00   | 4.32 | 4.45 | 4.61  | 5.00 |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                               |
|------------------------|-------------------------------|
| <b>Course-Section:</b> | <b>ENCH 484 01</b>            |
| <b>Title:</b>          | <b>Biomedical Engineering</b> |
| <b>Instructor:</b>     | <b>Castellanos, Mar</b>       |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>16</b> |
| <b>Questionnaires:</b> | <b>13</b> |

| Questions                             | NR | NA | Frequencies |   |   |   |   | Instructor |         | Course | Org  | UMBC | Level | Sect |
|---------------------------------------|----|----|-------------|---|---|---|---|------------|---------|--------|------|------|-------|------|
|                                       |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank    | Mean   | Mean | Mean | Mean  | Mean |
| <b>Discussion</b>                     |    |    |             |   |   |   |   |            |         |        |      |      |       |      |
| 4. Were special techniques successful | 9  | 0  | 0           | 0 | 0 | 2 | 2 | 4.50       | 239/906 | 4.50   | 4.20 | 4.13 | 4.28  | 4.50 |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type                  | Majors  |
|----------------|----------|-----------------|---------|-----------------------|---|
| 00-27          | 0        | 0.00-0.99 0     | A 5     | Required for Majors 3 | Graduate 1 Major 10   |
| 28-55          | 0        | 1.00-1.99 0     | B 1     |                       |   |
| 56-83          | 0        | 2.00-2.99 0     | C 1     | General 1             | Under-grad 12 Non-major 3                                     |
| 84-150         | 3        | 3.00-3.49 2     | D 0     |                       |   |
| Grad.          | 1        | 3.50-4.00 4     | F 0     | Electives 6           | **** - Means there are not enough responses to be significant |
|                |          |                 | P 0     |                       |   |
|                |          |                 | I 0     | Other 0               |   |
|                |          |                 | ? 5     |                       |   |

# Student Course Evaluation Questionnaires

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|                        |                                |
|------------------------|--------------------------------|
| <b>Course-Section:</b> | <b>ENCH 485L 01</b>            |
| <b>Title:</b>          | <b>Biochem Engineering Lab</b> |
| <b>Instructor:</b>     | <b>Good,Theresa</b>            |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>15</b> |
| <b>Questionnaires:</b> | <b>15</b> |

| Questions   | NR | NA | Frequencies |   |   |   |    | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|----|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5  | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |   |   |    |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 1  | 0  | 0           | 0 | 0 | 6 | 8  | 4.57       | 578/1560  | 4.57   | 4.50 | 4.35 | 4.45  | 4.57 |
| 2. Did the instructor make clear the expected goals       | 1  | 0  | 0           | 0 | 0 | 6 | 8  | 4.57       | 534/1559  | 4.57   | 4.28 | 4.31 | 4.34  | 4.57 |
| 3. Did the exam questions reflect the expected goals      | 2  | 7  | 0           | 0 | 1 | 3 | 2  | 4.17       | 967/1371  | 4.17   | 4.20 | 4.38 | 4.46  | 4.17 |
| 4. Did other evaluations reflect the expected goals       | 1  | 0  | 0           | 0 | 0 | 1 | 13 | 4.93       | 93/1519   | 4.93   | 4.36 | 4.27 | 4.33  | 4.93 |
| 5. Did assigned readings contribute to what you learned   | 1  | 6  | 1           | 0 | 1 | 3 | 3  | 3.88       | 1075/1452 | 3.88   | 4.19 | 4.18 | 4.25  | 3.88 |
| 6. Did written assignments contribute to what you learned | 2  | 0  | 0           | 0 | 1 | 0 | 12 | 4.85       | 123/1430  | 4.85   | 4.23 | 4.16 | 4.25  | 4.85 |
| 7. Was the grading system clearly explained               | 1  | 0  | 0           | 0 | 1 | 3 | 10 | 4.64       | 378/1539  | 4.64   | 4.24 | 4.23 | 4.21  | 4.64 |
| 8. How many times was class cancelled                     | 1  | 0  | 0           | 0 | 0 | 1 | 13 | 4.93       | 363/1560  | 4.93   | 4.80 | 4.64 | 4.68  | 4.93 |
| 9. How would you grade the overall teaching effectiveness | 3  | 0  | 0           | 0 | 0 | 5 | 7  | 4.58       | 332/1545  | 4.58   | 4.19 | 4.14 | 4.21  | 4.58 |
| <b>Lecture</b>  |    |    |             |   |   |   |    |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 8  | 0  | 0           | 0 | 0 | 3 | 4  | 4.57       | 782/1496  | 4.57   | 4.50 | 4.49 | 4.50  | 4.57 |
| 2. Did the instructor seem interested in the subject      | 7  | 0  | 0           | 0 | 0 | 2 | 6  | 4.75       | 937/1498  | 4.75   | 4.77 | 4.75 | 4.77  | 4.75 |
| 3. Was lecture material presented and explained clearly   | 8  | 0  | 0           | 0 | 2 | 1 | 4  | 4.29       | 963/1496  | 4.29   | 4.31 | 4.37 | 4.40  | 4.29 |
| 4. Did the lectures contribute to what you learned        | 8  | 0  | 0           | 0 | 1 | 2 | 4  | 4.43       | 825/1494  | 4.43   | 4.29 | 4.37 | 4.41  | 4.43 |
| 5. Did audiovisual techniques enhance your understanding  | 8  | 5  | 0           | 0 | 1 | 1 | 0  | 3.50       | ****/1352 | ****   | 4.13 | 4.12 | 4.16  | **** |
| <b>Discussion</b>   |    |    |             |   |   |   |    |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 6  | 0  | 0           | 0 | 5 | 3 | 1  | 3.56       | 1060/1248 | 3.56   | 3.93 | 4.23 | 4.39  | 3.56 |
| 2. Were all students actively encouraged to participate   | 6  | 0  | 0           | 0 | 4 | 4 | 1  | 3.67       | 1117/1250 | 3.67   | 4.07 | 4.39 | 4.55  | 3.67 |
| 3. Did the instructor encourage fair and open discussion  | 6  | 0  | 0           | 0 | 3 | 4 | 2  | 3.89       | 1054/1239 | 3.89   | 4.32 | 4.45 | 4.61  | 3.89 |
| 4. Were special techniques successful                     | 7  | 6  | 0           | 0 | 0 | 1 | 1  | 4.50       | ****/906  | ****   | 4.20 | 4.13 | 4.28  | **** |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                |
|------------------------|--------------------------------|
| <b>Course-Section:</b> | <b>ENCH 485L 01</b>            |
| <b>Title:</b>          | <b>Biochem Engineering Lab</b> |
| <b>Instructor:</b>     | <b>Good,Theresa</b>            |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>15</b> |
| <b>Questionnaires:</b> | <b>15</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |         | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|---------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank    | Mean   | Mean | Mean | Mean  | Mean |
| <b>Laboratory</b>   |    |    |             |   |   |   |   |            |         |        |      |      |       |      |
| 1. Did the lab increase understanding of the material     | 6  | 0  | 0           | 0 | 0 | 1 | 8 | 4.89       | 15/206  | 4.89   | 4.48 | 4.25 | 4.48  | 4.89 |
| 2. Were you provided with adequate background information | 6  | 0  | 0           | 0 | 1 | 2 | 6 | 4.56       | 70/214  | 4.56   | 4.09 | 4.31 | 4.37  | 4.56 |
| 3. Were necessary materials available for lab activities  | 6  | 0  | 0           | 1 | 0 | 3 | 5 | 4.33       | 155/204 | 4.33   | 4.38 | 4.52 | 4.39  | 4.33 |
| 4. Did the lab instructor provide assistance              | 6  | 0  | 0           | 0 | 0 | 0 | 9 | 5.00       | 1/207   | 5.00   | 4.54 | 4.44 | 4.49  | 5.00 |
| 5. Were requirements for lab reports clearly specified    | 6  | 0  | 0           | 0 | 0 | 2 | 7 | 4.78       | 31/199  | 4.78   | 4.48 | 4.27 | 4.42  | 4.78 |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type | Majors |                     |    |   |    |           |    |
|----------------|----------|-----------------|---------|------|--------|---------------------|----|---|----|-----------|----|
| 00-27          | 0        | 0.00-0.99       | 0       | A    | 6      | Required for Majors | 13 | Graduate  | 0  | Major     | 11 |
| 28-55          | 0        | 1.00-1.99       | 0       | B    | 4      |                     |    |   |    |           |    |
| 56-83          | 0        | 2.00-2.99       | 0       | C    | 0      | General             | 0  | Under-grad  | 15 | Non-major | 4  |
| 84-150         | 6        | 3.00-3.49       | 3       | D    | 0      |                     |    |   |    |           |    |
| Grad.          | 0        | 3.50-4.00       | 5       | F    | 0      | Electives           | 0  | **** - Means there are not enough responses to be significant |    |           |    |
|                |          |                 |         | P    | 0      |                     |    |   |    |           |    |
|                |          |                 |         | I    | 0      | Other               | 0  |   |    |           |    |
|                |          |                 |         | ?    | 3      |                     |    |   |    |           |    |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                              |
|------------------------|------------------------------|
| <b>Course-Section:</b> | <b>ENCH 489 01</b>           |
| <b>Title:</b>          | <b>Spec Topics Envr Engr</b> |
| <b>Instructor:</b>     | <b>Ghosh,Upal</b>            |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>17</b> |
| <b>Questionnaires:</b> | <b>12</b> |

| Questions   | NR | NA | Frequencies |   |   |   |    | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|----|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5  | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |   |   |    |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 0  | 0  | 0           | 0 | 0 | 5 | 7  | 4.58       | 566/1560  | 4.58   | 4.50 | 4.35 | 4.45  | 4.58 |
| 2. Did the instructor make clear the expected goals       | 0  | 0  | 0           | 0 | 2 | 5 | 5  | 4.25       | 942/1559  | 4.25   | 4.28 | 4.31 | 4.34  | 4.25 |
| 3. Did the exam questions reflect the expected goals      | 0  | 0  | 0           | 0 | 3 | 3 | 6  | 4.25       | 887/1371  | 4.25   | 4.20 | 4.38 | 4.46  | 4.25 |
| 4. Did other evaluations reflect the expected goals       | 0  | 0  | 0           | 0 | 3 | 6 | 3  | 4.00       | 1060/1519 | 4.00   | 4.36 | 4.27 | 4.33  | 4.00 |
| 5. Did assigned readings contribute to what you learned   | 0  | 1  | 0           | 0 | 1 | 7 | 3  | 4.18       | 782/1452  | 4.18   | 4.19 | 4.18 | 4.25  | 4.18 |
| 6. Did written assignments contribute to what you learned | 0  | 0  | 0           | 0 | 2 | 7 | 3  | 4.08       | 840/1430  | 4.08   | 4.23 | 4.16 | 4.25  | 4.08 |
| 7. Was the grading system clearly explained               | 0  | 0  | 0           | 0 | 5 | 4 | 3  | 3.83       | 1227/1539 | 3.83   | 4.24 | 4.23 | 4.21  | 3.83 |
| 8. How many times was class cancelled                     | 0  | 0  | 0           | 0 | 0 | 0 | 12 | 5.00       | 1/1560    | 5.00   | 4.80 | 4.64 | 4.68  | 5.00 |
| 9. How would you grade the overall teaching effectiveness | 3  | 0  | 0           | 0 | 1 | 4 | 4  | 4.33       | 639/1545  | 4.33   | 4.19 | 4.14 | 4.21  | 4.33 |
| <b>Lecture</b>  |    |    |             |   |   |   |    |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 1  | 0  | 0           | 0 | 2 | 3 | 6  | 4.36       | 1047/1496 | 4.36   | 4.50 | 4.49 | 4.50  | 4.36 |
| 2. Did the instructor seem interested in the subject      | 1  | 0  | 0           | 0 | 0 | 1 | 10 | 4.91       | 556/1498  | 4.91   | 4.77 | 4.75 | 4.77  | 4.91 |
| 3. Was lecture material presented and explained clearly   | 1  | 0  | 0           | 0 | 2 | 4 | 5  | 4.27       | 972/1496  | 4.27   | 4.31 | 4.37 | 4.40  | 4.27 |
| 4. Did the lectures contribute to what you learned        | 1  | 0  | 0           | 0 | 1 | 4 | 6  | 4.45       | 788/1494  | 4.45   | 4.29 | 4.37 | 4.41  | 4.45 |
| 5. Did audiovisual techniques enhance your understanding  | 3  | 0  | 0           | 0 | 4 | 1 | 4  | 4.00       | 823/1352  | 4.00   | 4.13 | 4.12 | 4.16  | 4.00 |
| <b>Discussion</b>   |    |    |             |   |   |   |    |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 8  | 0  | 0           | 0 | 0 | 3 | 1  | 4.25       | 679/1248  | 4.25   | 3.93 | 4.23 | 4.39  | 4.25 |
| 2. Were all students actively encouraged to participate   | 8  | 0  | 0           | 0 | 2 | 2 | 0  | 3.50       | 1154/1250 | 3.50   | 4.07 | 4.39 | 4.55  | 3.50 |
| 3. Did the instructor encourage fair and open discussion  | 9  | 0  | 0           | 0 | 0 | 2 | 1  | 4.33       | 812/1239  | 4.33   | 4.32 | 4.45 | 4.61  | 4.33 |
| 4. Were special techniques successful                     | 8  | 1  | 0           | 0 | 0 | 2 | 1  | 4.33       | 360/906   | 4.33   | 4.20 | 4.13 | 4.28  | 4.33 |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                              |
|------------------------|------------------------------|
| <b>Course-Section:</b> | <b>ENCH 489 01</b>           |
| <b>Title:</b>          | <b>Spec Topics Envr Engr</b> |
| <b>Instructor:</b>     | <b>Ghosh,Upal</b>            |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>17</b> |
| <b>Questionnaires:</b> | <b>12</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |          | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank     | Mean   | Mean | Mean | Mean  | Mean |
| <b>Laboratory</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Did the lab increase understanding of the material     | 10 | 1  | 0           | 0 | 1 | 0 | 0 | 3.00       | ****/206 | ****   | 4.48 | 4.25 | 4.48  | **** |
| 2. Were you provided with adequate background information | 10 | 0  | 0           | 0 | 0 | 2 | 0 | 4.00       | ****/214 | ****   | 4.09 | 4.31 | 4.37  | **** |
| 3. Were necessary materials available for lab activities  | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/204 | ****   | 4.38 | 4.52 | 4.39  | **** |
| 4. Did the lab instructor provide assistance              | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/207 | ****   | 4.54 | 4.44 | 4.49  | **** |
| 5. Were requirements for lab reports clearly specified    | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/199 | ****   | 4.48 | 4.27 | 4.42  | **** |
| <b>Seminar</b>  |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Were assigned topics relevant to the announced theme   | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/64  | ****   | **** | 4.44 | 4.65  | **** |
| 2. Was the instructor available for individual attention  | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/58  | ****   | **** | 4.37 | 4.40  | **** |
| 3. Did research projects contribute to what you learned   | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/52  | ****   | **** | 4.41 | 4.57  | **** |
| 4. Did presentations contribute to what you learned       | 11 | 0  | 0           | 0 | 1 | 0 | 0 | 3.00       | ****/66  | ****   | **** | 4.41 | 4.55  | **** |
| 5. Were criteria for grading made clear                   | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/63  | ****   | **** | 4.09 | 4.18  | **** |
| <b>Field Work</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Did field experience contribute to what you learned    | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/29  | ****   | **** | 4.19 | 4.50  | **** |
| 2. Did you clearly understand your evaluation criteria    | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/29  | ****   | **** | 4.11 | 4.35  | **** |
| 3. Was the instructor available for consultation          | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/24  | ****   | **** | 4.25 | 4.40  | **** |
| 4. To what degree could you discuss your evaluations      | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/26  | ****   | **** | 3.89 | 4.14  | **** |
| 5. Did conferences help you carry out field activities    | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/25  | ****   | **** | 4.01 | 4.34  | **** |
| <b>Self Paced</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Did self-paced system contribute to what you learned   | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/31  | ****   | **** | 4.35 | 4.64  | **** |
| 2. Did study questions make clear the expected goal       | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/22  | ****   | **** | 4.13 | 3.97  | **** |
| 3. Were your contacts with the instructor helpful         | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/29  | ****   | **** | 4.41 | 4.52  | **** |



# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                              |
|------------------------|------------------------------|
| <b>Course-Section:</b> | <b>ENCH 489 01</b>           |
| <b>Title:</b>          | <b>Spec Topics Envr Engr</b> |
| <b>Instructor:</b>     | <b>Ghosh,Upal</b>            |

**Term - Spring 2013**

|                        |           |
|------------------------|-----------|
| <b>Enrollment:</b>     | <b>17</b> |
| <b>Questionnaires:</b> | <b>12</b> |

| Questions  | NR | NA | Frequencies |   |   |   |   | Instructor |         | Course | Org  | UMBC | Level | Sect |
|--|----|----|-------------|---|---|---|---|------------|---------|--------|------|------|-------|------|
|  |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank    | Mean   | Mean | Mean | Mean  | Mean |
| Self Paced   |    |    |             |   |   |   |   |            |         |        |      |      |       |      |
| 4. Was the feedback/tutoring by proctors helpful   | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/14 | ****   | **** | 4.03 | 4.47  | **** |
| 5. Were there enough proctors for all the students | 11 | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/10 | ****   | **** | 3.94 | 4.17  | **** |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type                  | Majors  |
|----------------|----------|-----------------|---------|-----------------------|---|
| 00-27          | 2        | 0.00-0.99 0     | A 7     | Required for Majors 5 | Graduate 2 Major 7  |
| 28-55          | 0        | 1.00-1.99 0     | B 3     |                       |   |
| 56-83          | 0        | 2.00-2.99 0     | C 1     | General 0             | Under-grad 10 Non-major 5                                     |
| 84-150         | 3        | 3.00-3.49 3     | D 0     |                       |   |
| Grad.          | 2        | 3.50-4.00 2     | F 0     | Electives 7           | **** - Means there are not enough responses to be significant |
|                |          |                 | P 0     |                       |   |
|                |          |                 | I 0     | Other 0               |   |
|                |          |                 | ? 1     |                       |   |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                            |
|------------------------|----------------------------|
| <b>Course-Section:</b> | <b>ENCH 630 01</b>         |
| <b>Title:</b>          | <b>Transport Phenomena</b> |
| <b>Instructor:</b>     | <b>Frey,Douglas D</b>      |

**Term - Spring 2013**

|                        |          |
|------------------------|----------|
| <b>Enrollment:</b>     | <b>7</b> |
| <b>Questionnaires:</b> | <b>7</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 0  | 0  | 0           | 0 | 1 | 1 | 5 | 4.57       | 578/1560  | 4.57   | 4.50 | 4.35 | 4.37  | 4.57 |
| 2. Did the instructor make clear the expected goals       | 0  | 0  | 0           | 0 | 0 | 3 | 4 | 4.57       | 534/1559  | 4.57   | 4.28 | 4.31 | 4.29  | 4.57 |
| 3. Did the exam questions reflect the expected goals      | 0  | 0  | 0           | 0 | 1 | 1 | 5 | 4.57       | 549/1371  | 4.57   | 4.20 | 4.38 | 4.37  | 4.57 |
| 4. Did other evaluations reflect the expected goals       | 0  | 3  | 0           | 0 | 0 | 1 | 3 | 4.75       | 255/1519  | 4.75   | 4.36 | 4.27 | 4.29  | 4.75 |
| 5. Did assigned readings contribute to what you learned   | 0  | 0  | 0           | 1 | 0 | 2 | 4 | 4.29       | 670/1452  | 4.29   | 4.19 | 4.18 | 4.23  | 4.29 |
| 6. Did written assignments contribute to what you learned | 0  | 1  | 0           | 1 | 0 | 0 | 5 | 4.50       | 427/1430  | 4.50   | 4.23 | 4.16 | 4.28  | 4.50 |
| 7. Was the grading system clearly explained               | 0  | 0  | 0           | 0 | 0 | 2 | 5 | 4.71       | 283/1539  | 4.71   | 4.24 | 4.23 | 4.26  | 4.71 |
| 8. How many times was class cancelled                     | 0  | 0  | 0           | 0 | 0 | 1 | 6 | 4.86       | 574/1560  | 4.86   | 4.80 | 4.64 | 4.72  | 4.86 |
| 9. How would you grade the overall teaching effectiveness | 1  | 0  | 0           | 0 | 1 | 1 | 4 | 4.50       | 406/1545  | 4.50   | 4.19 | 4.14 | 4.11  | 4.50 |
| <b>Lecture</b>  |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 0  | 0  | 0           | 0 | 0 | 2 | 5 | 4.71       | 559/1496  | 4.71   | 4.50 | 4.49 | 4.47  | 4.71 |
| 2. Did the instructor seem interested in the subject      | 0  | 0  | 0           | 0 | 0 | 1 | 6 | 4.86       | 704/1498  | 4.86   | 4.77 | 4.75 | 4.76  | 4.86 |
| 3. Was lecture material presented and explained clearly   | 0  | 0  | 0           | 1 | 0 | 2 | 4 | 4.29       | 963/1496  | 4.29   | 4.31 | 4.37 | 4.29  | 4.29 |
| 4. Did the lectures contribute to what you learned        | 0  | 0  | 0           | 0 | 1 | 2 | 4 | 4.43       | 825/1494  | 4.43   | 4.29 | 4.37 | 4.31  | 4.43 |
| 5. Did audiovisual techniques enhance your understanding  | 0  | 0  | 0           | 0 | 1 | 2 | 4 | 4.43       | 449/1352  | 4.43   | 4.13 | 4.12 | 3.99  | 4.43 |
| <b>Discussion</b>   |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 2  | 0  | 1           | 0 | 1 | 0 | 3 | 3.80       | 952/1248  | 3.80   | 3.93 | 4.23 | 4.28  | 3.80 |
| 2. Were all students actively encouraged to participate   | 2  | 0  | 1           | 1 | 0 | 0 | 3 | 3.60       | 1132/1250 | 3.60   | 4.07 | 4.39 | 4.49  | 3.60 |
| 3. Did the instructor encourage fair and open discussion  | 2  | 0  | 1           | 0 | 1 | 1 | 2 | 3.60       | 1142/1239 | 3.60   | 4.32 | 4.45 | 4.57  | 3.60 |
| 4. Were special techniques successful                     | 2  | 1  | 0           | 0 | 0 | 2 | 2 | 4.50       | 239/906   | 4.50   | 4.20 | 4.13 | 4.08  | 4.50 |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                            |
|------------------------|----------------------------|
| <b>Course-Section:</b> | <b>ENCH 630 01</b>         |
| <b>Title:</b>          | <b>Transport Phenomena</b> |
| <b>Instructor:</b>     | <b>Frey,Douglas D</b>      |

**Term - Spring 2013**

|                        |          |
|------------------------|----------|
| <b>Enrollment:</b>     | <b>7</b> |
| <b>Questionnaires:</b> | <b>7</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |          | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank     | Mean   | Mean | Mean | Mean  | Mean |
| <b>Laboratory</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 2. Were you provided with adequate background information | 6  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/214 | ****   | 4.09 | 4.31 | 3.86  | **** |
| 3. Were necessary materials available for lab activities  | 6  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/204 | ****   | 4.38 | 4.52 | 4.15  | **** |
| <b>Field Work</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Did field experience contribute to what you learned    | 6  | 0  | 0           | 0 | 1 | 0 | 0 | 3.00       | ****/29  | ****   | **** | 4.19 | 3.88  | **** |
| 2. Did you clearly understand your evaluation criteria    | 6  | 0  | 1           | 0 | 0 | 0 | 0 | 1.00       | ****/29  | ****   | **** | 4.11 | 3.89  | **** |
| <b>Self Paced</b>   |    |    |             |   |   |   |   |            |          |        |      |      |       |      |
| 1. Did self-paced system contribute to what you learned   | 6  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/31  | ****   | **** | 4.35 | 3.98  | **** |
| 3. Were your contacts with the instructor helpful         | 6  | 0  | 0           | 0 | 1 | 0 | 0 | 3.00       | ****/29  | ****   | **** | 4.41 | 3.99  | **** |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type | Majors |                     |   |   |   |           |   |
|----------------|----------|-----------------|---------|------|--------|---------------------|---|---|---|-----------|---|
| 00-27          | 0        | 0.00-0.99       | 1       | A    | 2      | Required for Majors | 4 | Graduate  | 4 | Major     | 2 |
| 28-55          | 0        | 1.00-1.99       | 0       | B    | 2      |                     |   |   |   |           |   |
| 56-83          | 0        | 2.00-2.99       | 0       | C    | 1      | General             | 0 | Under-grad  | 3 | Non-major | 5 |
| 84-150         | 0        | 3.00-3.49       | 0       | D    | 0      |                     |   |   |   |           |   |
| Grad.          | 4        | 3.50-4.00       | 0       | F    | 0      | Electives           | 1 | **** - Means there are not enough responses to be significant |   |           |   |
|                |          |                 |         | P    | 0      |                     |   |   |   |           |   |
|                |          |                 |         | I    | 0      | Other               | 0 |   |   |           |   |
|                |          |                 |         | ?    | 2      |                     |   |   |   |           |   |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                 |
|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 640 01</b>              |
| <b>Title:</b>          | <b>Adv Chem Reactn Kinetics</b> |
| <b>Instructor:</b>     | <b>Marten,Mark R</b>            |

**Term - Spring 2013**

|                        |          |
|------------------------|----------|
| <b>Enrollment:</b>     | <b>8</b> |
| <b>Questionnaires:</b> | <b>8</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |           | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|-----------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank      | Mean   | Mean | Mean | Mean  | Mean |
| <b>General</b>  |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Did you gain new insights,skills from this course      | 0  | 0  | 0           | 1 | 0 | 3 | 4 | 4.25       | 983/1560  | 4.25   | 4.50 | 4.35 | 4.37  | 4.25 |
| 2. Did the instructor make clear the expected goals       | 0  | 0  | 0           | 0 | 1 | 5 | 2 | 4.13       | 1068/1559 | 4.13   | 4.28 | 4.31 | 4.29  | 4.13 |
| 3. Did the exam questions reflect the expected goals      | 0  | 0  | 0           | 0 | 1 | 4 | 3 | 4.25       | 887/1371  | 4.25   | 4.20 | 4.38 | 4.37  | 4.25 |
| 4. Did other evaluations reflect the expected goals       | 0  | 0  | 0           | 0 | 1 | 6 | 1 | 4.00       | 1060/1519 | 4.00   | 4.36 | 4.27 | 4.29  | 4.00 |
| 5. Did assigned readings contribute to what you learned   | 0  | 0  | 0           | 0 | 0 | 1 | 7 | 4.88       | 119/1452  | 4.88   | 4.19 | 4.18 | 4.23  | 4.88 |
| 6. Did written assignments contribute to what you learned | 0  | 1  | 1           | 0 | 0 | 3 | 3 | 4.00       | 889/1430  | 4.00   | 4.23 | 4.16 | 4.28  | 4.00 |
| 7. Was the grading system clearly explained               | 0  | 0  | 0           | 0 | 1 | 3 | 4 | 4.38       | 713/1539  | 4.38   | 4.24 | 4.23 | 4.26  | 4.38 |
| 8. How many times was class cancelled                     | 0  | 0  | 0           | 0 | 0 | 5 | 3 | 4.38       | 1195/1560 | 4.38   | 4.80 | 4.64 | 4.72  | 4.38 |
| 9. How would you grade the overall teaching effectiveness | 2  | 0  | 0           | 0 | 1 | 4 | 1 | 4.00       | 952/1545  | 4.00   | 4.19 | 4.14 | 4.11  | 4.00 |
| <b>Lecture</b>  |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Were the instructor's lectures well prepared           | 0  | 0  | 0           | 0 | 0 | 3 | 5 | 4.63       | 710/1496  | 4.63   | 4.50 | 4.49 | 4.47  | 4.63 |
| 2. Did the instructor seem interested in the subject      | 0  | 0  | 0           | 0 | 0 | 3 | 5 | 4.63       | 1132/1498 | 4.63   | 4.77 | 4.75 | 4.76  | 4.63 |
| 3. Was lecture material presented and explained clearly   | 0  | 0  | 0           | 0 | 1 | 2 | 5 | 4.50       | 700/1496  | 4.50   | 4.31 | 4.37 | 4.29  | 4.50 |
| 4. Did the lectures contribute to what you learned        | 0  | 0  | 0           | 0 | 1 | 1 | 6 | 4.63       | 583/1494  | 4.63   | 4.29 | 4.37 | 4.31  | 4.63 |
| 5. Did audiovisual techniques enhance your understanding  | 0  | 0  | 0           | 0 | 3 | 3 | 2 | 3.88       | 963/1352  | 3.88   | 4.13 | 4.12 | 3.99  | 3.88 |
| <b>Discussion</b>   |    |    |             |   |   |   |   |            |           |        |      |      |       |      |
| 1. Did class discussions contribute to what you learned   | 0  | 0  | 0           | 0 | 1 | 2 | 5 | 4.50       | 470/1248  | 4.50   | 3.93 | 4.23 | 4.28  | 4.50 |
| 2. Were all students actively encouraged to participate   | 0  | 0  | 0           | 0 | 0 | 1 | 7 | 4.88       | 255/1250  | 4.88   | 4.07 | 4.39 | 4.49  | 4.88 |
| 3. Did the instructor encourage fair and open discussion  | 0  | 0  | 0           | 0 | 0 | 1 | 7 | 4.88       | 292/1239  | 4.88   | 4.32 | 4.45 | 4.57  | 4.88 |
| 4. Were special techniques successful                     | 0  | 3  | 0           | 0 | 0 | 2 | 3 | 4.60       | 188/906   | 4.60   | 4.20 | 4.13 | 4.08  | 4.60 |

# Student Course Evaluation Questionnaires

[Report Help](#)

|                        |                                 |
|------------------------|---------------------------------|
| <b>Course-Section:</b> | <b>ENCH 640 01</b>              |
| <b>Title:</b>          | <b>Adv Chem Reactn Kinetics</b> |
| <b>Instructor:</b>     | <b>Marten,Mark R</b>            |

**Term - Spring 2013**

|                        |          |
|------------------------|----------|
| <b>Enrollment:</b>     | <b>8</b> |
| <b>Questionnaires:</b> | <b>8</b> |

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |         | Course | Org  | UMBC | Level | Sect |
|---|----|----|-------------|---|---|---|---|------------|---------|--------|------|------|-------|------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank    | Mean   | Mean | Mean | Mean  | Mean |
| <b>Seminar</b>  |    |    |             |   |   |   |   |            |         |        |      |      |       |      |
| 1. Were assigned topics relevant to the announced theme | 7  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/64 | ****   | **** | 4.44 | 4.23  | **** |
| 4. Did presentations contribute to what you learned     | 7  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/66 | ****   | **** | 4.41 | 4.28  | **** |
| 5. Were criteria for grading made clear                 | 7  | 0  | 0           | 0 | 1 | 0 | 0 | 3.00       | ****/63 | ****   | **** | 4.09 | 4.07  | **** |
| <b>Field Work</b>                                       |    |    |             |   |   |   |   |            |         |        |      |      |       |      |
| 1. Did field experience contribute to what you learned  | 7  | 0  | 1           | 0 | 0 | 0 | 0 | 1.00       | ****/29 | ****   | **** | 4.19 | 3.88  | **** |
| 2. Did you clearly understand your evaluation criteria  | 7  | 0  | 0           | 0 | 1 | 0 | 0 | 3.00       | ****/29 | ****   | **** | 4.11 | 3.89  | **** |
| 3. Was the instructor available for consultation        | 7  | 0  | 0           | 0 | 0 | 0 | 1 | 5.00       | ****/24 | ****   | **** | 4.25 | 4.06  | **** |
| <b>Self Paced</b>                                       |    |    |             |   |   |   |   |            |         |        |      |      |       |      |
| 1. Did self-paced system contribute to what you learned | 7  | 0  | 0           | 0 | 1 | 0 | 0 | 3.00       | ****/31 | ****   | **** | 4.35 | 3.98  | **** |
| 2. Did study questions make clear the expected goal     | 7  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/22 | ****   | **** | 4.13 | 3.66  | **** |
| 3. Were your contacts with the instructor helpful       | 7  | 0  | 0           | 0 | 1 | 0 | 0 | 3.00       | ****/29 | ****   | **** | 4.41 | 3.99  | **** |

## Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type | Majors |                     |   |   |   |           |   |
|----------------|----------|-----------------|---------|------|--------|---------------------|---|---|---|-----------|---|
| 00-27          | 0        | 0.00-0.99       | 0       | A    | 1      | Required for Majors | 5 | Graduate  | 3 | Major     | 3 |
| 28-55          | 0        | 1.00-1.99       | 0       | B    | 3      |                     |   |   |   |           |   |
| 56-83          | 0        | 2.00-2.99       | 0       | C    | 0      | General             | 0 | Under-grad  | 5 | Non-major | 5 |
| 84-150         | 0        | 3.00-3.49       | 0       | D    | 0      |                     |   |   |   |           |   |
| Grad.          | 3        | 3.50-4.00       | 0       | F    | 0      | Electives           | 0 | **** - Means there are not enough responses to be significant |   |           |   |
|                |          |                 |         | P    | 0      |                     |   |   |   |           |   |
|                |          |                 |         | I    | 0      | Other               | 0 |   |   |           |   |
|                |          |                 |         | ?    | 4      |                     |   |   |   |           |   |