

Course-Section: ENCE 651 1  
 Title Water Res Sys Analysis  
 Instructor: Welty,Claire  
 Enrollment: 4  
 Questionnaires: 4

University of Maryland  
 Baltimore County  
 Fall 2009

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Student Course Evaluation Questionnaire

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |           | Course Mean | Dept Mean | UMBC Mean | Level Mean | Sect Mean |
|---|----|----|-------------|---|---|---|---|------------|-----------|-------------|-----------|-----------|------------|-----------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank      |             |           |           |            |           |
| -----   |    |    |             |   |   |   |   |            |           |             |           |           |            |           |
| General   |    |    |             |   |   |   |   |            |           |             |           |           |            |           |
| 1. Did you gain new insights,skills from this course      | 0  | 0  | 0           | 0 | 0 | 1 | 3 | 4.75       | 303/1509  | 4.75        | 4.18      | 4.31      | 4.39       | 4.75      |
| 2. Did the instructor make clear the expected goals       | 0  | 0  | 0           | 0 | 0 | 2 | 2 | 4.50       | 543/1509  | 4.50        | 4.04      | 4.26      | 4.25       | 4.50      |
| 3. Did the exam questions reflect the expected goals      | 1  | 0  | 0           | 0 | 0 | 2 | 1 | 4.33       | 708/1287  | 4.33        | 4.46      | 4.30      | 4.22       | 4.33      |
| 4. Did other evaluations reflect the expected goals       | 1  | 0  | 0           | 0 | 2 | 1 | 0 | 3.33       | 1367/1459 | 3.33        | 3.61      | 4.22      | 4.16       | 3.33      |
| 5. Did assigned readings contribute to what you learned   | 0  | 0  | 1           | 0 | 0 | 1 | 2 | 3.75       | 1045/1406 | 3.75        | 3.74      | 4.09      | 4.12       | 3.75      |
| 6. Did written assignments contribute to what you learned | 0  | 0  | 0           | 0 | 2 | 1 | 1 | 3.75       | 1050/1384 | 3.75        | 3.66      | 4.11      | 4.16       | 3.75      |
| 7. Was the grading system clearly explained               | 0  | 0  | 0           | 0 | 1 | 2 | 1 | 4.00       | 986/1489  | 4.00        | 3.53      | 4.17      | 4.14       | 4.00      |
| 8. How many times was class cancelled                     | 0  | 0  | 0           | 0 | 0 | 0 | 4 | 5.00       | 1/1506    | 5.00        | 4.82      | 4.67      | 4.71       | 5.00      |
| 9. How would you grade the overall teaching effectiveness | 1  | 0  | 0           | 1 | 0 | 2 | 0 | 3.33       | 1314/1463 | 3.33        | 3.57      | 4.09      | 4.15       | 3.33      |
| Lecture   |    |    |             |   |   |   |   |            |           |             |           |           |            |           |
| 1. Were the instructor's lectures well prepared           | 0  | 0  | 0           | 1 | 0 | 1 | 2 | 4.00       | 1203/1438 | 4.00        | 4.13      | 4.46      | 4.49       | 4.00      |
| 2. Did the instructor seem interested in the subject      | 0  | 0  | 0           | 1 | 0 | 0 | 3 | 4.25       | 1292/1421 | 4.25        | 4.48      | 4.73      | 4.78       | 4.25      |
| 3. Was lecture material presented and explained clearly   | 0  | 0  | 1           | 0 | 0 | 0 | 3 | 4.00       | 1051/1411 | 4.00        | 3.94      | 4.31      | 4.33       | 4.00      |
| 4. Did the lectures contribute to what you learned        | 0  | 0  | 1           | 0 | 0 | 0 | 3 | 4.00       | 1047/1405 | 4.00        | 3.97      | 4.32      | 4.33       | 4.00      |
| 5. Did audiovisual techniques enhance your understanding  | 1  | 1  | 0           | 1 | 0 | 1 | 0 | 3.00       | 1131/1236 | 3.00        | 3.62      | 4.00      | 3.98       | 3.00      |
| Discussion  |    |    |             |   |   |   |   |            |           |             |           |           |            |           |
| 1. Did class discussions contribute to what you learned   | 1  | 0  | 0           | 1 | 0 | 0 | 2 | 4.00       | 746/1260  | 4.00        | 3.50      | 4.14      | 4.21       | 4.00      |
| 2. Were all students actively encouraged to participate   | 1  | 0  | 1           | 0 | 0 | 0 | 2 | 3.67       | 1084/1255 | 3.67        | 3.46      | 4.33      | 4.43       | 3.67      |
| 3. Did the instructor encourage fair and open discussion  | 1  | 0  | 1           | 0 | 0 | 1 | 1 | 3.33       | 1184/1258 | 3.33        | 3.29      | 4.38      | 4.50       | 3.33      |
| 4. Were special techniques successful                     | 1  | 2  | 1           | 0 | 0 | 0 | 0 | 1.00       | 870/ 873  | 1.00        | 1.00      | 4.03      | 4.01       | 1.00      |
| Self Paced  |    |    |             |   |   |   |   |            |           |             |           |           |            |           |
| 1. Did self-paced system contribute to what you learned   | 3  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | 28/ 49    | 4.00        | 4.00      | 4.26      | 4.16       | 4.00      |
| 2. Did study questions make clear the expected goal       | 3  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | 18/ 41    | 4.00        | 4.00      | 4.14      | 4.08       | 4.00      |
| 3. Were your contacts with the instructor helpful         | 3  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | 31/ 46    | 4.00        | 4.00      | 4.31      | 4.11       | 4.00      |
| 4. Was the feedback/tutoring by proctors helpful          | 3  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | 24/ 37    | 4.00        | 4.00      | 4.05      | 3.69       | 4.00      |
| 5. Were there enough proctors for all the students        | 3  | 0  | 0           | 0 | 0 | 1 | 0 | 4.00       | 16/ 30    | 4.00        | 4.00      | 4.27      | 4.26       | 4.00      |

Frequency Distribution

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

Course-Section: ENCE 660 1  
 Title Air Pollution  
 Instructor: Santarpia, Josh  
 Enrollment: 25  
 Questionnaires: 17

University of Maryland  
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Student Course Evaluation Questionnaire

| Questions   | NR | NA | Frequencies |   |   |   |    | Instructor |           | Course Mean | Dept Mean | UMBC Mean | Level Mean | Sect Mean |
|---|----|----|-------------|---|---|---|----|------------|-----------|-------------|-----------|-----------|------------|-----------|
|   |    |    | 1           | 2 | 3 | 4 | 5  | Mean       | Rank      |             |           |           |            |           |
| -----   |    |    |             |   |   |   |    |            |           |             |           |           |            |           |
| General   |    |    |             |   |   |   |    |            |           |             |           |           |            |           |
| 1. Did you gain new insights,skills from this course      | 0  | 0  | 0           | 0 | 5 | 5 | 7  | 4.12       | 1032/1509 | 4.12        | 4.18      | 4.31      | 4.39       | 4.12      |
| 2. Did the instructor make clear the expected goals       | 1  | 0  | 0           | 0 | 4 | 6 | 6  | 4.13       | 992/1509  | 4.13        | 4.04      | 4.26      | 4.25       | 4.13      |
| 3. Did the exam questions reflect the expected goals      | 0  | 0  | 0           | 0 | 0 | 7 | 10 | 4.59       | 444/1287  | 4.59        | 4.46      | 4.30      | 4.22       | 4.59      |
| 4. Did other evaluations reflect the expected goals       | 0  | 0  | 0           | 1 | 5 | 6 | 5  | 3.88       | 1103/1459 | 3.88        | 3.61      | 4.22      | 4.16       | 3.88      |
| 5. Did assigned readings contribute to what you learned   | 0  | 2  | 1           | 1 | 4 | 4 | 5  | 3.73       | 1060/1406 | 3.73        | 3.74      | 4.09      | 4.12       | 3.73      |
| 6. Did written assignments contribute to what you learned | 0  | 0  | 0           | 1 | 5 | 6 | 5  | 3.88       | 954/1384  | 3.88        | 3.66      | 4.11      | 4.16       | 3.88      |
| 7. Was the grading system clearly explained               | 0  | 0  | 1           | 1 | 4 | 2 | 9  | 4.00       | 986/1489  | 4.00        | 3.53      | 4.17      | 4.14       | 4.00      |
| 8. How many times was class cancelled                     | 0  | 0  | 0           | 0 | 0 | 9 | 8  | 4.47       | 1098/1506 | 4.47        | 4.82      | 4.67      | 4.71       | 4.47      |
| 9. How would you grade the overall teaching effectiveness | 3  | 0  | 0           | 1 | 3 | 9 | 1  | 3.71       | 1133/1463 | 3.71        | 3.57      | 4.09      | 4.15       | 3.71      |
| Lecture   |    |    |             |   |   |   |    |            |           |             |           |           |            |           |
| 1. Were the instructor's lectures well prepared           | 1  | 0  | 1           | 0 | 1 | 6 | 8  | 4.25       | 1071/1438 | 4.25        | 4.13      | 4.46      | 4.49       | 4.25      |
| 2. Did the instructor seem interested in the subject      | 0  | 0  | 0           | 0 | 1 | 3 | 13 | 4.71       | 968/1421  | 4.71        | 4.48      | 4.73      | 4.78       | 4.71      |
| 3. Was lecture material presented and explained clearly   | 0  | 0  | 1           | 0 | 4 | 7 | 5  | 3.88       | 1153/1411 | 3.88        | 3.94      | 4.31      | 4.33       | 3.88      |
| 4. Did the lectures contribute to what you learned        | 1  | 0  | 0           | 2 | 2 | 7 | 5  | 3.94       | 1106/1405 | 3.94        | 3.97      | 4.32      | 4.33       | 3.94      |
| 5. Did audiovisual techniques enhance your understanding  | 0  | 0  | 0           | 0 | 3 | 7 | 7  | 4.24       | 504/1236  | 4.24        | 3.62      | 4.00      | 3.98       | 4.24      |
| Discussion  |    |    |             |   |   |   |    |            |           |             |           |           |            |           |
| 1. Did class discussions contribute to what you learned   | 8  | 0  | 1           | 2 | 3 | 2 | 1  | 3.00       | 1162/1260 | 3.00        | 3.50      | 4.14      | 4.21       | 3.00      |
| 2. Were all students actively encouraged to participate   | 9  | 0  | 2           | 0 | 3 | 0 | 3  | 3.25       | 1180/1255 | 3.25        | 3.46      | 4.33      | 4.43       | 3.25      |
| 3. Did the instructor encourage fair and open discussion  | 9  | 0  | 2           | 0 | 3 | 0 | 3  | 3.25       | 1199/1258 | 3.25        | 3.29      | 4.38      | 4.50       | 3.25      |
| 4. Were special techniques successful                     | 9  | 6  | 0           | 1 | 0 | 0 | 1  | 3.50       | ****/ 873 | ****        | 1.00      | 4.03      | 4.01       | ****      |
| Seminar   |    |    |             |   |   |   |    |            |           |             |           |           |            |           |
| 2. Was the instructor available for individual attention  | 15 | 0  | 0           | 0 | 0 | 1 | 1  | 4.50       | ****/ 92  | ****        | ****      | 4.54      | 4.52       | ****      |
| 3. Did research projects contribute to what you learned   | 16 | 0  | 0           | 0 | 0 | 1 | 0  | 4.00       | ****/ 90  | ****        | ****      | 4.50      | 4.48       | ****      |
| 4. Did presentations contribute to what you learned       | 16 | 0  | 0           | 0 | 0 | 1 | 0  | 4.00       | ****/ 92  | ****        | ****      | 4.38      | 4.30       | ****      |
| 5. Were criteria for grading made clear                   | 15 | 0  | 0           | 0 | 1 | 1 | 0  | 3.50       | ****/ 93  | ****        | ****      | 4.06      | 4.04       | ****      |
| Field Work  |    |    |             |   |   |   |    |            |           |             |           |           |            |           |
| 3. Was the instructor available for consultation          | 15 | 1  | 0           | 0 | 0 | 0 | 1  | 5.00       | ****/ 47  | ****        | ****      | 4.51      | 4.43       | ****      |
| 4. To what degree could you discuss your evaluations      | 16 | 0  | 0           | 0 | 0 | 1 | 0  | 4.00       | ****/ 47  | ****        | ****      | 4.18      | 4.03       | ****      |
| Self Paced  |    |    |             |   |   |   |    |            |           |             |           |           |            |           |
| 1. Did self-paced system contribute to what you learned   | 16 | 0  | 0           | 0 | 0 | 1 | 0  | 4.00       | ****/ 49  | ****        | 4.00      | 4.26      | 4.16       | ****      |
| 2. Did study questions make clear the expected goal       | 16 | 0  | 0           | 0 | 0 | 1 | 0  | 4.00       | ****/ 41  | ****        | 4.00      | 4.14      | 4.08       | ****      |
| 3. Were your contacts with the instructor helpful         | 16 | 0  | 0           | 0 | 0 | 0 | 1  | 5.00       | ****/ 46  | ****        | 4.00      | 4.31      | 4.11       | ****      |

Frequency Distribution

| Credits Earned | Cum. GPA | Expected Grades | Reasons | Type                | Majors  |
|----------------|----------|-----------------|---------|---------------------|---|
| 00-27          | 2        | 0.00-0.99       | A 12    | Required for Majors | 5   |
| 28-55          | 0        | 1.00-1.99       | B 3     |                     | Graduate 4  |
| 56-83          | 0        | 2.00-2.99       | C 0     | General             | 0   |
| 84-150         | 3        | 3.00-3.49       | D 0     |                     | Under-grad 13   |
| Grad.          | 4        | 3.50-4.00       | F 0     | Electives           | 6   |
|                |          |                 | P 0     |                     | #### - Means there are not enough responses to be significant |
|                |          |                 | I 0     | Other               | 1   |
|                |          |                 | ? 0     |                     |   |

Course-Section: ENCE 701 1  
 Title Spec Topics Enviro Eng  
 Instructor: Welty,Claire  
 Enrollment: 6  
 Questionnaires: 6

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Student Course Evaluation Questionnaire

| Questions   | NR | NA | Frequencies |   |   |   |   | Instructor |           | Course Mean | Dept Mean | UMBC Mean | Level Mean | Sect Mean |
|---|----|----|-------------|---|---|---|---|------------|-----------|-------------|-----------|-----------|------------|-----------|
|   |    |    | 1           | 2 | 3 | 4 | 5 | Mean       | Rank      |             |           |           |            |           |
| -----   |    |    |             |   |   |   |   |            |           |             |           |           |            |           |
| General   |    |    |             |   |   |   |   |            |           |             |           |           |            |           |
| 1. Did you gain new insights,skills from this course      | 0  | 0  | 0           | 0 | 3 | 2 | 1 | 3.67       | 1340/1509 | 3.67        | 4.18      | 4.31      | 4.39       | 3.67      |
| 2. Did the instructor make clear the expected goals       | 0  | 0  | 0           | 1 | 2 | 2 | 1 | 3.50       | 1372/1509 | 3.50        | 4.04      | 4.26      | 4.25       | 3.50      |
| 4. Did other evaluations reflect the expected goals       | 0  | 1  | 1           | 0 | 1 | 1 | 2 | 3.60       | 1271/1459 | 3.60        | 3.61      | 4.22      | 4.16       | 3.60      |
| 5. Did assigned readings contribute to what you learned   | 0  | 5  | 0           | 0 | 0 | 1 | 0 | 4.00       | ****/1406 | ****        | 3.74      | 4.09      | 4.12       | ****      |
| 6. Did written assignments contribute to what you learned | 0  | 0  | 1           | 0 | 2 | 2 | 1 | 3.33       | 1264/1384 | 3.33        | 3.66      | 4.11      | 4.16       | 3.33      |
| 7. Was the grading system clearly explained               | 0  | 1  | 1           | 1 | 2 | 1 | 0 | 2.60       | 1459/1489 | 2.60        | 3.53      | 4.17      | 4.14       | 2.60      |
| 8. How many times was class cancelled                     | 0  | 0  | 0           | 0 | 0 | 0 | 6 | 5.00       | 1/1506    | 5.00        | 4.82      | 4.67      | 4.71       | 5.00      |
| 9. How would you grade the overall teaching effectiveness | 0  | 3  | 0           | 0 | 1 | 2 | 0 | 3.67       | 1168/1463 | 3.67        | 3.57      | 4.09      | 4.15       | 3.67      |
| -----   |    |    |             |   |   |   |   |            |           |             |           |           |            |           |
| Lecture   |    |    |             |   |   |   |   |            |           |             |           |           |            |           |
| 2. Did the instructor seem interested in the subject      | 5  | 0  | 0           | 0 | 1 | 0 | 0 | 3.00       | ****/1421 | ****        | 4.48      | 4.73      | 4.78       | ****      |

Frequency Distribution

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