Student Course Evaluation Questionnaires

Course-Section: ENCH 215 01	Term - Fall 2013	Enrollment: 84
Title: Chem Engineering Analy		Questionnaires: 54
Instructor: Bayles,Taryn M		

			Frequencies					Instructor		Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	1	0	1	1	0	9	42	4.70	441/1644	4.70	4.43	4.32	4.36	4.70
2. Did the instructor make clear the expected goals	1	0	1	0	2	11	39	4.64	454/1644	4.64	4.24	4.28	4.35	4.64
3. Did the exam questions reflect the expected goals	1	0	0	1	1	13	38	4.66	462/1419	4.66	4.43	4.35	4.42	4.66
4. Did other evaluations reflect the expected goals	1	2	1	1	8	12	29	4.31	844/1596	4.31	4.18	4.24	4.31	4.31
5. Did assigned readings contribute to what you learned	2	2	1	1	7	13	28	4.32	670/1535	4.32	4.01	4.15	4.20	4.32
6. Did written assignments contribute to what you learned	2	13	1	1	5	13	19	4.23	751/1510	4.23	4.13	4.13	4.17	4.23
7. Was the grading system clearly explained	2	0	1	2	2	14	33	4.46	590/1620	4.46	4.27	4.20	4.25	4.46
8. How many times was class cancelled	2	2	0	0	0	6	44	4.88	673/1642	4.88	4.57	4.68	4.67	4.88
9. How would you grade the overall teaching effectiveness	9	1	0	1	5	13	25	4.41	515/1596	4.41	4.20	4.12	4.13	4.41
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	1	8	9	35	4.47	932/1534	4.47	4.38	4.48	4.51	4.47
2. Did the instructor seem interested in the subject	1	0	0	0	1	4	48	4.89	666/1539	4.89	4.73	4.76	4.80	4.89
3. Was lecture material presented and explained clearly	2	0	0	2	4	12	34	4.50	724/1531	4.50	4.29	4.33	4.38	4.50
4. Did the lectures contribute to what you learned	1	0	0	2	6	7	38	4.53	732/1530	4.53	4.16	4.35	4.41	4.53
5. Did audiovisual techniques enhance your understanding	6	24	0	0	4	4	16	4.50	381/1409	4.50	4.15	4.08	4.23	4.50
Discussion														
1. Did class discussions contribute to what you learned	23	0	0	1	2	8	20	4.52	485/1366	4.52	4.08	4.18	4.24	4.52
2. Were all students actively encouraged to participate	23	0	2	0	5	7	17	4.19	915/1364	4.19	4.34	4.33	4.39	4.19
3. Did the instructor encourage fair and open discussion	23	0	2	0	5	4	20	4.29	905/1361	4.29	4.35	4.39	4.48	4.29
4. Were special techniques successful	24	18	1	1	0	5	5	4.00	****/1019	****	4.30	4.09	4.14	****

Student Course Evaluation Questionnaires

Course-Section:	ENCH 215 01
Title:	Chem Engineering Analy
Instructor:	Bayles,Taryn M

Term - Fall 2013

Enrollment:	84
Questionnaires:	54

Questions	NR	NA	1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
Laboratory														
1. Did the lab increase understanding of the material	52	1	0	0	0	1	0	4.00	****/185	****	4.33	4.23	4.42	****
2. Were you provided with adequate background information	52	0	0	0	0	0	2	5.00	****/209	****	4.49	4.19	4.45	****
4. Did the lab instructor provide assistance	52	1	0	0	0	0	1	5.00	****/183	****	4.52	4.46	4.64	****
Seminar														
2. Was the instructor available for individual attention	53	0	0	0	0	0	1	5.00	****/71	****	****	4.38	4.63	****
5. Were criteria for grading made clear	53	0	0	0	0	0	1	5.00	****/73	****	****	4.09	3.99	****
Field Work														
1. Did field experience contribute to what you learned	53	0	1	0	0	0	0	1.00	****/48	****	****	4.16	4.81	****
2. Did you clearly understand your evaluation criteria	53	0	0	0	0	0	1	5.00	****/45	****	****	4.19	4.58	****
3. Was the instructor available for consultation	53	0	0	0	0	0	1	5.00	****/30	****	****	4.57	4.57	****
4. To what degree could you discuss your evaluations	53	0	0	0	0	0	1	5.00	****/27	****	****	4.25	5.00	****
5. Did conferences help you carry out field activities	53	0	0	0	0	0	1	5.00	****/25	****	****	4.35	5.00	****
Self Paced														
1. Did self-paced system contribute to what you learned	53	0	0	0	0	0	1	5.00	****/51	****	****	4.03	5.00	****
2. Did study questions make clear the expected goal	53	0	0	0	0	0	1	5.00	****/31	****	****	4.18	5.00	****

Student Course Evaluation Questionnaires

Course-Section:	ENCH 215 01								Term - Fall 2013						Enrollment:	84
Title:	Chem Engineering Analy														Questionnaires:	54
Instructor:	Bayles,Taryn M															

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
Self Paced														
3. Were your contacts with the instructor helpful	53	0	0	0	0	0	1	5.00	****/36	****	****	4.33	****	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	1	A	17	Required for Majors	43	Graduate	0	Major	48
28-55	12	1.00-1.99	0	B	18						
56-83	8	2.00-2.99	3	C	11	General	0	Under-grad	54	Non-major	6
84-150	0	3.00-3.49	11	D	0						
Grad.	0	3.50-4.00	16	F	0	Electives	0	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	0				
				?	7						

Student Course Evaluation Questionnaires

Course-Section:	ENCH 225 01		Term - Fall 2013						Enrollment:	16			
Title:	Chem Eng Prob Solving								Questionnaires:	14			
Instructor:	Enszer,Joshua A												

			Frequencies					Instructor		Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	1	0	0	0	1	5	7	4.46	738/1644	4.46	4.43	4.32	4.36	4.46
2. Did the instructor make clear the expected goals	1	0	0	0	2	3	8	4.46	700/1644	4.46	4.24	4.28	4.35	4.46
3. Did the exam questions reflect the expected goals	1	0	0	0	2	4	7	4.38	800/1419	4.38	4.43	4.35	4.42	4.38
4. Did other evaluations reflect the expected goals	1	0	0	0	3	3	7	4.31	859/1596	4.31	4.18	4.24	4.31	4.31
5. Did assigned readings contribute to what you learned	0	0	0	0	3	4	7	4.29	710/1535	4.29	4.01	4.15	4.20	4.29
6. Did written assignments contribute to what you learned	0	0	0	0	1	5	8	4.50	429/1510	4.50	4.13	4.13	4.17	4.50
7. Was the grading system clearly explained	0	0	0	1	0	4	9	4.50	527/1620	4.50	4.27	4.20	4.25	4.50
8. How many times was class cancelled	0	0	0	0	1	1	12	4.79	869/1642	4.79	4.57	4.68	4.67	4.79
9. How would you grade the overall teaching effectiveness	2	1	1	0	1	4	5	4.09	911/1596	4.09	4.20	4.12	4.13	4.09
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	1	2	11	4.71	593/1534	4.71	4.38	4.48	4.51	4.71
2. Did the instructor seem interested in the subject	0	0	0	0	1	2	11	4.71	1066/1539	4.71	4.73	4.76	4.80	4.71
3. Was lecture material presented and explained clearly	0	0	0	1	1	4	8	4.36	898/1531	4.36	4.29	4.33	4.38	4.36
4. Did the lectures contribute to what you learned	0	0	1	0	1	4	8	4.29	980/1530	4.29	4.16	4.35	4.41	4.29
5. Did audiovisual techniques enhance your understanding	0	0	0	0	6	2	6	4.00	825/1409	4.00	4.15	4.08	4.23	4.00
Discussion														
1. Did class discussions contribute to what you learned	11	0	0	0	2	0	1	3.67	****/1366	****	4.08	4.18	4.24	****
2. Were all students actively encouraged to participate	10	0	0	1	0	2	1	3.75	1142/1364	3.75	4.34	4.33	4.39	3.75
3. Did the instructor encourage fair and open discussion	9	0	0	0	1	1	3	4.40	818/1361	4.40	4.35	4.39	4.48	4.40
4. Were special techniques successful	10	0	0	1	0	1	2	4.00	559/1019	4.00	4.30	4.09	4.14	4.00

Student Course Evaluation Questionnaires

Course-Section:	ENCH 225 01		Term - Fall 2013				Enrollment: 16
Title:	Chem Eng Prob Solving						Questionnaires: 14
Instructor:	Enszer,Joshua A						

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
1. Did the lab increase understanding of the material	6	0	0	0	1	2	5	4.50	67/185	4.50	4.33	4.23	4.42	4.50
2. Were you provided with adequate background information	6	0	1	0	1	2	4	4.00	143/209	4.00	4.49	4.19	4.45	4.00
3. Were necessary materials available for lab activities	6	0	0	1	0	0	7	4.63	91/181	4.63	4.41	4.53	4.67	4.63
4. Did the lab instructor provide assistance	6	1	0	0	2	0	5	4.43	115/183	4.43	4.52	4.46	4.64	4.43
5. Were requirements for lab reports clearly specified	6	0	1	1	0	0	6	4.13	98/172	4.13	4.16	4.14	4.50	4.13

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	4	Required for Majors	11	Graduate	0	Major	12
28-55	0	1.00-1.99	0	B	5						
56-83	0	2.00-2.99	0	C	3	General	0	Under-grad	14	Non-major	2
84-150	0	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	0	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	0				
				?	2						

Student Course Evaluation Questionnaires

Course-Section:	ENCH 300 01			Term - Fall 2013							Enrollment: 65			
Title:	Chem Proc Thermodynamics										Questionnaires: 46			
Instructor:	Castellanos,Mar													

			Frequencies					**Instructor**		**Course**	**Org**	**UMBC**	**Level**	**Sect**
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	0	0	2	0	2	11	31	4.50	688/1644	4.50	4.43	4.32	4.31	4.50
2. Did the instructor make clear the expected goals	1	0	4	2	10	18	11	3.67	1432/1644	3.67	4.24	4.28	4.25	3.67
3. Did the exam questions reflect the expected goals	0	0	6	2	13	14	11	3.48	1311/1419	3.48	4.43	4.35	4.31	3.48
4. Did other evaluations reflect the expected goals	2	1	3	7	8	16	9	3.49	1437/1596	3.49	4.18	4.24	4.25	3.49
5. Did assigned readings contribute to what you learned	0	0	1	0	8	16	21	4.22	772/1535	4.22	4.01	4.15	4.14	4.22
6. Did written assignments contribute to what you learned	0	1	3	6	15	15	6	3.33	1374/1510	3.33	4.13	4.13	4.16	3.33
7. Was the grading system clearly explained	0	0	0	3	6	17	20	4.17	994/1620	4.17	4.27	4.20	4.18	4.17
8. How many times was class cancelled	1	0	0	0	1	1	43	4.93	442/1642	4.93	4.57	4.68	4.65	4.93
9. How would you grade the overall teaching effectiveness	1	0	2	5	5	17	16	3.89	1151/1596	3.89	4.20	4.12	4.09	3.89
Lecture														
1. Were the instructor's lectures well prepared	1	0	4	1	7	18	15	3.87	1366/1534	3.87	4.38	4.48	4.44	3.87
2. Did the instructor seem interested in the subject	3	0	0	1	1	9	32	4.67	1124/1539	4.67	4.73	4.76	4.74	4.67
3. Was lecture material presented and explained clearly	1	0	7	3	13	16	6	3.24	1439/1531	3.24	4.29	4.33	4.30	3.24
4. Did the lectures contribute to what you learned	1	0	6	8	6	12	13	3.40	1412/1530	3.40	4.16	4.35	4.32	3.40
5. Did audiovisual techniques enhance your understanding	1	18	6	2	7	8	4	3.07	1309/1409	3.07	4.15	4.08	4.09	3.07
Discussion														
1. Did class discussions contribute to what you learned	4	0	2	2	8	13	17	3.98	886/1366	3.98	4.08	4.18	4.22	3.98
2. Were all students actively encouraged to participate	4	0	1	0	5	10	26	4.43	734/1364	4.43	4.34	4.33	4.37	4.43
3. Did the instructor encourage fair and open discussion	4	0	1	4	8	9	20	4.02	1028/1361	4.02	4.35	4.39	4.39	4.02
4. Were special techniques successful	4	4	3	1	4	10	20	4.13	515/1019	4.13	4.30	4.09	4.04	4.13

Student Course Evaluation Questionnaires

Course-Section:	ENCH 300 01					Term - Fall 2013						Enrollment: 65
Title:	Chem Proc Thermodynamics											Questionnaires: 46
Instructor:	Castellanos,Mar											

			Frequencies					**Instructor**		**Course**	**Org**	**UMBC**	**Level**	**Sect**
Questions	NR	NA	1	2	3	4	5	**Mean**	**Rank**	**Mean**	**Mean**	**Mean**	**Mean**	**Mean**
Laboratory														
2. Were you provided with adequate background information	45	0	0	0	0	0	1	5.00	****/209	****	4.49	4.19	4.18	****
Field Work														
1. Did field experience contribute to what you learned	45	0	0	0	0	1	0	4.00	****/48	****	****	4.16	4.95	****
3. Was the instructor available for consultation	45	0	0	0	0	0	1	5.00	****/30	****	****	4.57	4.93	****
Self Paced														
1. Did self-paced system contribute to what you learned	42	0	0	1	1	1	1	3.50	****/51	****	****	4.03	4.75	****
2. Did study questions make clear the expected goal	43	0	0	0	0	1	2	4.67	****/31	****	****	4.18	4.80	****
3. Were your contacts with the instructor helpful	43	0	0	1	0	0	2	4.00	****/36	****	****	4.33	4.83	****
4. Was the feedback/tutoring by proctors helpful	43	0	0	1	0	1	1	3.67	****/19	****	****	4.17	4.20	****
5. Were there enough proctors for all the students	43	0	0	0	0	2	1	4.33	****/14	****	****	4.17	4.60	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	2	0.00-0.99	0	A	4	Required for Majors	40	Graduate	1	Major	43
28-55	0	1.00-1.99	0	B	10						
56-83	4	2.00-2.99	10	C	21	General	0	Under-grad	45	Non-major	3
84-150	7	3.00-3.49	8	D	2						
Grad.	1	3.50-4.00	9	F	1	Electives	0	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	1				
				?	4						

Student Course Evaluation Questionnaires

Course-Section: ENCH 310 01		Term - Fall 2013		Enrollment: 11
Title: Env Chem & Biol				Questionnaires: 9
Instructor: Reed,Brian E				

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	0	0	1	1	0	4	3	3.78	1402/1644	3.78	4.43	4.32	4.31	3.78
2. Did the instructor make clear the expected goals	0	0	0	4	2	1	2	3.11	1580/1644	3.11	4.24	4.28	4.25	3.11
3. Did the exam questions reflect the expected goals	0	0	1	0	3	3	2	3.56	1286/1419	3.56	4.43	4.35	4.31	3.56
4. Did other evaluations reflect the expected goals	0	0	1	2	1	2	3	3.44	1453/1596	3.44	4.18	4.24	4.25	3.44
5. Did assigned readings contribute to what you learned	0	0	0	1	2	3	3	3.89	1082/1535	3.89	4.01	4.15	4.14	3.89
6. Did written assignments contribute to what you learned	0	5	1	0	1	0	2	3.50	1261/1510	3.50	4.13	4.13	4.16	3.50
7. Was the grading system clearly explained	1	1	0	1	2	2	2	3.71	1346/1620	3.71	4.27	4.20	4.18	3.71
8. How many times was class cancelled	0	0	0	0	0	4	5	4.56	1158/1642	4.56	4.57	4.68	4.65	4.56
9. How would you grade the overall teaching effectiveness	2	0	2	0	2	3	0	2.86	1556/1596	2.86	4.20	4.12	4.09	2.86
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	1	4	2	2	3.56	1451/1534	3.56	4.38	4.48	4.44	3.56
2. Did the instructor seem interested in the subject	1	0	0	0	1	4	3	4.25	1439/1539	4.25	4.73	4.76	4.74	4.25
3. Was lecture material presented and explained clearly	1	0	0	2	3	2	1	3.25	1437/1531	3.25	4.29	4.33	4.30	3.25
4. Did the lectures contribute to what you learned	1	0	1	0	3	2	2	3.50	1382/1530	3.50	4.16	4.35	4.32	3.50
5. Did audiovisual techniques enhance your understanding	1	2	0	1	0	4	1	3.83	971/1409	3.83	4.15	4.08	4.09	3.83
Discussion														
1. Did class discussions contribute to what you learned	7	0	0	0	0	1	1	4.50	****/1366	****	4.08	4.18	4.22	****
2. Were all students actively encouraged to participate	8	0	0	0	0	0	1	5.00	****/1364	****	4.34	4.33	4.37	****

Student Course Evaluation Questionnaires

Course-Section: ENCH 310 01	Term - Fall 2013	Enrollment: 11
Title: Env Chem & Biol		Questionnaires: 9
Instructor: Reed,Brian E		

			Frequencies					Instructor		Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
3. Did the instructor encourage fair and open discussion	8	0	0	0	0	0	1	5.00	****/1361	****	4.35	4.39	4.39	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	5	Required for Majors	7	Graduate	0	Major	7
28-55	0	1.00-1.99	0	B	3						
56-83	1	2.00-2.99	3	C	0	General	0	Under-grad	9	Non-major	2
84-150	2	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	1				
				P	0						
				I	0	Other	0				
				?	0						

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

Student Course Evaluation Questionnaires

Course-Section:	ENCH 414 01
Title:	**Env Biological Proc**
Instructor:	**Ghosh,Upal**

Term - Fall 2013

Enrollment: 8
Questionnaires: 7

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	1	0	0	0	0	2	4	4.67	482/1644	4.67	4.43	4.32	4.47	4.67
2. Did the instructor make clear the expected goals	1	0	0	0	0	4	2	4.33	897/1644	4.33	4.24	4.28	4.35	4.33
3. Did the exam questions reflect the expected goals	1	0	0	0	1	3	2	4.17	1012/1419	4.17	4.43	4.35	4.48	4.17
4. Did other evaluations reflect the expected goals	1	0	0	0	2	2	2	4.00	1129/1596	4.00	4.18	4.24	4.34	4.00
5. Did assigned readings contribute to what you learned	1	0	0	0	1	2	3	4.33	658/1535	4.33	4.01	4.15	4.26	4.33
6. Did written assignments contribute to what you learned	1	0	0	0	1	2	3	4.33	629/1510	4.33	4.13	4.13	4.29	4.33
7. Was the grading system clearly explained	1	0	0	1	1	1	3	4.00	1134/1620	4.00	4.27	4.20	4.25	4.00
8. How many times was class cancelled	1	0	0	0	0	2	4	4.67	1038/1642	4.67	4.57	4.68	4.67	4.67
9. How would you grade the overall teaching effectiveness	2	0	0	0	1	4	0	3.80	1203/1596	3.80	4.20	4.12	4.20	3.80
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	0	4	1	4.20	1194/1534	4.20	4.38	4.48	4.54	4.20
2. Did the instructor seem interested in the subject	2	0	0	0	0	1	4	4.80	894/1539	4.80	4.73	4.76	4.81	4.80
3. Was lecture material presented and explained clearly	2	0	0	0	1	4	0	3.80	1292/1531	3.80	4.29	4.33	4.38	3.80
4. Did the lectures contribute to what you learned	2	0	0	0	0	3	2	4.40	882/1530	4.40	4.16	4.35	4.41	4.40
5. Did audiovisual techniques enhance your understanding	2	0	0	0	1	2	2	4.20	675/1409	4.20	4.15	4.08	4.15	4.20
Discussion														
1. Did class discussions contribute to what you learned	2	0	0	0	0	2	3	4.60	424/1366	4.60	4.08	4.18	4.37	4.60
2. Were all students actively encouraged to participate	2	0	0	0	1	3	1	4.00	1014/1364	4.00	4.34	4.33	4.52	4.00
3. Did the instructor encourage fair and open discussion	2	0	0	0	0	3	2	4.40	818/1361	4.40	4.35	4.39	4.59	4.40
4. Were special techniques successful	2	3	0	0	0	1	1	4.50	262/1019	4.50	4.30	4.09	4.32	4.50

Student Course Evaluation Questionnaires

Course-Section: ENCH 414 01	Term - Fall 2013	Enrollment: 8
Title: Env Biological Proc		Questionnaires: 7
Instructor: Ghosh,Upal		

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
Laboratory														
1. Did the lab increase understanding of the material	5	1	0	0	0	1	0	4.00	****/185	****	4.33	4.23	4.60	****
2. Were you provided with adequate background information	6	0	0	0	0	1	0	4.00	****/209	****	4.49	4.19	4.27	****
Seminar														
1. Were assigned topics relevant to the announced theme	6	0	0	0	0	0	1	5.00	****/72	****	****	4.53	4.71	****
2. Was the instructor available for individual attention	6	0	0	0	0	0	1	5.00	****/71	****	****	4.38	4.66	****
3. Did research projects contribute to what you learned	6	0	0	0	0	0	1	5.00	****/68	****	****	4.41	4.74	****
4. Did presentations contribute to what you learned	6	0	0	0	0	0	1	5.00	****/71	****	****	4.40	4.50	****
5. Were criteria for grading made clear	6	0	0	0	0	0	1	5.00	****/73	****	****	4.09	4.32	****
Field Work														
1. Did field experience contribute to what you learned	6	0	0	0	0	0	1	5.00	****/48	****	****	4.16	4.39	****
2. Did you clearly understand your evaluation criteria	6	0	0	0	0	1	0	4.00	****/45	****	****	4.19	4.23	****
3. Was the instructor available for consultation	6	0	0	0	0	1	0	4.00	****/30	****	****	4.57	4.82	****
4. To what degree could you discuss your evaluations	6	0	0	0	0	1	0	4.00	****/27	****	****	4.25	4.42	****

Student Course Evaluation Questionnaires

Course-Section:	ENCH 414 01
Title:	Env Biological Proc
Instructor:	Ghosh,Upal

Term - Fall 2013

Enrollment:	8
Questionnaires:	7

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Self Paced														
3. Were your contacts with the instructor helpful	6	0	0	0	0	1	0	4.00	****/36	****	****	4.33	3.80	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	0	A	2	Required for Majors	3	Graduate	4	Major	0
28-55	0	1.00-1.99	0	B	2						
56-83	0	2.00-2.99	0	C	1	General	1	Under-grad	3	Non-major	7
84-150	0	3.00-3.49	1	D	0						
Grad.	4	3.50-4.00	0	F	0	Electives	0	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	0				
				?	2						

Student Course Evaluation Questionnaires

Course-Section: ENCH 425 01	Term - Fall 2013	Enrollment: 60
Title: Transport I:Fluids		Questionnaires: 35
Instructor: Enszer,Joshua A		

			Frequencies					Instructor		Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	2	7	26	4.69	455/1644	4.69	4.43	4.32	4.47	4.69
2. Did the instructor make clear the expected goals	1	0	0	0	4	7	23	4.56	570/1644	4.56	4.24	4.28	4.35	4.56
3. Did the exam questions reflect the expected goals	0	0	1	0	4	4	26	4.54	596/1419	4.54	4.43	4.35	4.48	4.54
4. Did other evaluations reflect the expected goals	0	2	0	2	4	9	18	4.30	859/1596	4.30	4.18	4.24	4.34	4.30
5. Did assigned readings contribute to what you learned	0	0	1	0	5	11	18	4.29	710/1535	4.29	4.01	4.15	4.26	4.29
6. Did written assignments contribute to what you learned	0	6	0	3	5	7	14	4.10	875/1510	4.10	4.13	4.13	4.29	4.10
7. Was the grading system clearly explained	0	0	0	0	1	9	25	4.69	309/1620	4.69	4.27	4.20	4.25	4.69
8. How many times was class cancelled	0	1	0	0	0	0	34	5.00	1/1642	5.00	4.57	4.68	4.67	5.00
9. How would you grade the overall teaching effectiveness	2	0	0	0	1	12	20	4.58	322/1596	4.58	4.20	4.12	4.20	4.58
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	2	2	8	22	4.47	932/1534	4.47	4.38	4.48	4.54	4.47
2. Did the instructor seem interested in the subject	1	0	0	2	2	11	19	4.38	1378/1539	4.38	4.73	4.76	4.81	4.38
3. Was lecture material presented and explained clearly	2	0	1	1	7	8	16	4.12	1102/1531	4.12	4.29	4.33	4.38	4.12
4. Did the lectures contribute to what you learned	1	0	0	4	5	8	17	4.12	1106/1530	4.12	4.16	4.35	4.41	4.12
5. Did audiovisual techniques enhance your understanding	1	20	3	0	1	3	7	3.79	1007/1409	3.79	4.15	4.08	4.15	3.79
Discussion														
1. Did class discussions contribute to what you learned	24	0	0	0	2	4	5	4.27	706/1366	4.27	4.08	4.18	4.37	4.27
2. Were all students actively encouraged to participate	24	0	0	0	1	1	9	4.73	431/1364	4.73	4.34	4.33	4.52	4.73
3. Did the instructor encourage fair and open discussion	25	0	0	0	0	4	6	4.60	619/1361	4.60	4.35	4.39	4.59	4.60
4. Were special techniques successful	24	2	1	0	0	2	6	4.33	381/1019	4.33	4.30	4.09	4.32	4.33

Student Course Evaluation Questionnaires

Course-Section: ENCH 425 01	Term - Fall 2013	Enrollment: 60
Title: Transport I:Fluids		Questionnaires: 35
Instructor: Enszer,Joshua A		

| Questions | NR | NA | Frequencies | | | | | Instructor | | Course | Org | UMBC | Level | Sect |
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
1. Did the lab increase understanding of the material	33	0	0	0	0	0	2	5.00	****/185	****	4.33	4.23	4.60	****
2. Were you provided with adequate background information	33	0	0	0	0	0	2	5.00	****/209	****	4.49	4.19	4.27	****
3. Were necessary materials available for lab activities	33	0	0	0	0	0	2	5.00	****/181	****	4.41	4.53	4.31	****
4. Did the lab instructor provide assistance	33	0	0	0	0	0	2	5.00	****/183	****	4.52	4.46	4.63	****
5. Were requirements for lab reports clearly specified	33	0	0	0	0	0	2	5.00	****/172	****	4.16	4.14	4.02	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	7	Required for Majors	32	Graduate	1	Major	34
28-55	0	1.00-1.99	0	B	9						
56-83	4	2.00-2.99	4	C	12	General	0	Under-grad	34	Non-major	1
84-150	6	3.00-3.49	7	D	2						
Grad.	1	3.50-4.00	6	F	0	Electives	0	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	0				
				?	3						

Student Course Evaluation Questionnaires

Course-Section: ENCH 437L 02	Term - Fall 2013	Enrollment: 10
Title: Chemical Engineering Lab		Questionnaires: 9
Instructor: Leach,Jennie B		

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	0	0	2	1	1	0	5	3.56	1503/1644	3.68	4.43	4.32	4.47	3.56
2. Did the instructor make clear the expected goals	0	0	0	1	3	2	3	3.78	1375/1644	3.59	4.24	4.28	4.35	3.78
3. Did the exam questions reflect the expected goals	0	6	0	0	0	0	3	5.00	1/1419	5.00	4.43	4.35	4.48	5.00
4. Did other evaluations reflect the expected goals	0	1	0	2	1	2	3	3.75	1305/1596	3.98	4.18	4.24	4.34	3.75
5. Did assigned readings contribute to what you learned	0	4	0	2	0	2	1	3.40	1376/1535	2.95	4.01	4.15	4.26	3.40
6. Did written assignments contribute to what you learned	0	0	1	0	3	1	4	3.78	1127/1510	3.99	4.13	4.13	4.29	3.78
7. Was the grading system clearly explained	0	0	0	1	0	4	4	4.22	938/1620	3.81	4.27	4.20	4.25	4.22
8. How many times was class cancelled	0	0	4	0	1	0	4	3.00	1638/1642	3.30	4.57	4.68	4.67	3.00
9. How would you grade the overall teaching effectiveness	2	0	2	1	0	1	3	3.29	1474/1596	3.39	4.20	4.12	4.20	3.29
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	2	1	4	4.29	1132/1534	4.04	4.38	4.48	4.54	4.29
2. Did the instructor seem interested in the subject	1	0	0	0	2	1	5	4.38	1384/1539	4.56	4.73	4.76	4.81	4.38
3. Was lecture material presented and explained clearly	2	0	0	0	1	3	3	4.29	962/1531	4.14	4.29	4.33	4.38	4.29
4. Did the lectures contribute to what you learned	2	0	2	2	0	0	3	3.00	1469/1530	2.75	4.16	4.35	4.41	3.00
5. Did audiovisual techniques enhance your understanding	1	6	0	0	1	0	1	4.00	****/1409	****	4.15	4.08	4.15	****
Discussion														
1. Did class discussions contribute to what you learned	5	0	1	0	1	0	2	3.50	1151/1366	2.75	4.08	4.18	4.37	3.50
2. Were all students actively encouraged to participate	5	0	1	0	0	0	3	4.00	1014/1364	3.83	4.34	4.33	4.52	4.00
3. Did the instructor encourage fair and open discussion	5	0	1	0	1	0	2	3.50	1240/1361	3.58	4.35	4.39	4.59	3.50
4. Were special techniques successful	5	1	0	0	0	1	2	4.67	186/1019	4.67	4.30	4.09	4.32	4.67

Student Course Evaluation Questionnaires

Course-Section:	ENCH 437L 02
Title:	Chemical Engineering Lab
Instructor:	Leach,Jennie B

Term - Fall 2013

Enrollment:	10
Questionnaires:	9

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
1. Did the lab increase understanding of the material	5	1	0	1	0	0	2	4.00	123/185	4.00	4.33	4.23	4.60	4.00
2. Were you provided with adequate background information	5	0	0	0	0	1	3	4.75	39/209	4.88	4.49	4.19	4.27	4.75
3. Were necessary materials available for lab activities	5	0	0	0	1	0	3	4.50	121/181	4.50	4.41	4.53	4.31	4.50
4. Did the lab instructor provide assistance	5	0	0	0	0	1	3	4.75	52/183	4.63	4.52	4.46	4.63	4.75
5. Were requirements for lab reports clearly specified	5	0	0	0	0	2	2	4.50	48/172	4.25	4.16	4.14	4.02	4.50

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	0	A	1	Required for Majors	9	Graduate	0	Major	9
28-55	0	1.00-1.99	0	B	6						
56-83	0	2.00-2.99	0	C	2	General	0	Under-grad	9	Non-major	0
84-150	4	3.00-3.49	4	D	0						
Grad.	0	3.50-4.00	3	F	0	Electives	0	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	0				
				?	0						

Student Course Evaluation Questionnaires

Course-Section: ENCH 437L 03	Term - Fall 2013	Enrollment: 11
Title: Chemical Engineering Lab		Questionnaires: 5
Instructor: Leach,Jennie B		

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	1	0	3	1	3.80	1387/1644	3.68	4.43	4.32	4.47	3.80
2. Did the instructor make clear the expected goals	0	0	0	1	1	3	0	3.40	1529/1644	3.59	4.24	4.28	4.35	3.40
4. Did other evaluations reflect the expected goals	0	0	0	0	1	2	2	4.20	963/1596	3.98	4.18	4.24	4.34	4.20
5. Did assigned readings contribute to what you learned	0	3	1	0	0	1	0	2.50	1518/1535	2.95	4.01	4.15	4.26	2.50
6. Did written assignments contribute to what you learned	0	0	0	0	2	0	3	4.20	787/1510	3.99	4.13	4.13	4.29	4.20
7. Was the grading system clearly explained	0	0	0	2	0	2	1	3.40	1473/1620	3.81	4.27	4.20	4.25	3.40
8. How many times was class cancelled	0	0	1	1	0	0	3	3.60	1623/1642	3.30	4.57	4.68	4.67	3.60
9. How would you grade the overall teaching effectiveness	1	0	0	1	1	1	1	3.50	1388/1596	3.39	4.20	4.12	4.20	3.50
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	2	2	1	3.80	1389/1534	4.04	4.38	4.48	4.54	3.80
2. Did the instructor seem interested in the subject	1	0	0	0	0	1	3	4.75	990/1539	4.56	4.73	4.76	4.81	4.75
3. Was lecture material presented and explained clearly	1	0	0	0	2	0	2	4.00	1163/1531	4.14	4.29	4.33	4.38	4.00
4. Did the lectures contribute to what you learned	1	0	1	1	1	1	0	2.50	1505/1530	2.75	4.16	4.35	4.41	2.50
Discussion														
1. Did class discussions contribute to what you learned	2	0	2	0	0	1	0	2.00	1353/1366	2.75	4.08	4.18	4.37	2.00
2. Were all students actively encouraged to participate	2	0	1	0	0	0	2	3.67	1175/1364	3.83	4.34	4.33	4.52	3.67
3. Did the instructor encourage fair and open discussion	2	0	1	0	0	0	2	3.67	1192/1361	3.58	4.35	4.39	4.59	3.67
4. Were special techniques successful	3	1	0	1	0	0	0	2.00	****/1019	4.67	4.30	4.09	4.32	****
Laboratory														
1. Did the lab increase understanding of the material	3	0	0	0	0	2	0	4.00	123/185	4.00	4.33	4.23	4.60	4.00
2. Were you provided with adequate background information	3	0	0	0	0	0	2	5.00	1/209	4.88	4.49	4.19	4.27	5.00

Student Course Evaluation Questionnaires

Course-Section:	ENCH 437L 03	Term - Fall 2013	Enrollment: 11
Title:	Chemical Engineering Lab		Questionnaires: 5
Instructor:	Leach,Jennie B		

Questions	NR	NA	1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
Laboratory														
3. Were necessary materials available for lab activities	3	0	0	0	0	1	1	4.50	121/181	4.50	4.41	4.53	4.31	4.50
4. Did the lab instructor provide assistance	3	0	0	0	0	1	1	4.50	94/183	4.63	4.52	4.46	4.63	4.50
5. Were requirements for lab reports clearly specified	3	0	0	0	1	0	1	4.00	108/172	4.25	4.16	4.14	4.02	4.00

Frequency Distribution

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

Student Course Evaluation Questionnaires

Course-Section:	ENCH 444 01
Title:	Process Engineering Econ
Instructor:	Castellanos,Mar

Term - Fall 2013

| Enrollment: 30 |
| Questionnaires: 28 |

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	5	0	1	0	6	8	8	3.96	1265/1644	3.96	4.43	4.32	4.47	3.96
2. Did the instructor make clear the expected goals	6	0	1	3	4	7	7	3.73	1400/1644	3.73	4.24	4.28	4.35	3.73
3. Did the exam questions reflect the expected goals	5	19	1	0	0	1	2	3.75	****/1419	****	4.43	4.35	4.48	****
4. Did other evaluations reflect the expected goals	5	0	2	3	3	3	12	3.87	1236/1596	3.87	4.18	4.24	4.34	3.87
5. Did assigned readings contribute to what you learned	5	11	2	0	3	3	4	3.58	1281/1535	3.58	4.01	4.15	4.26	3.58
6. Did written assignments contribute to what you learned	5	1	3	3	5	8	3	3.23	1409/1510	3.23	4.13	4.13	4.29	3.23
7. Was the grading system clearly explained	5	0	3	3	7	3	7	3.35	1486/1620	3.35	4.27	4.20	4.25	3.35
8. How many times was class cancelled	6	0	0	0	0	4	18	4.82	819/1642	4.82	4.57	4.68	4.67	4.82
9. How would you grade the overall teaching effectiveness	5	0	1	2	4	5	11	4.00	971/1596	4.00	4.20	4.12	4.20	4.00
Lecture														
1. Were the instructor's lectures well prepared	7	0	3	4	5	4	5	3.19	1494/1534	3.19	4.38	4.48	4.54	3.19
2. Did the instructor seem interested in the subject	7	0	1	0	0	4	16	4.62	1200/1539	4.62	4.73	4.76	4.81	4.62
3. Was lecture material presented and explained clearly	7	0	3	3	5	5	5	3.29	1432/1531	3.29	4.29	4.33	4.38	3.29
4. Did the lectures contribute to what you learned	7	0	5	4	6	2	4	2.81	1496/1530	2.81	4.16	4.35	4.41	2.81
5. Did audiovisual techniques enhance your understanding	8	2	2	0	6	3	7	3.72	1050/1409	3.72	4.15	4.08	4.15	3.72
Discussion														
1. Did class discussions contribute to what you learned	26	0	0	0	0	0	2	5.00	****/1366	****	4.08	4.18	4.37	****
2. Were all students actively encouraged to participate	26	0	0	0	0	0	2	5.00	****/1364	****	4.34	4.33	4.52	****
3. Did the instructor encourage fair and open discussion	26	0	0	0	0	1	1	4.50	****/1361	****	4.35	4.39	4.59	****

Student Course Evaluation Questionnaires

Course-Section:	ENCH 444 01			Term - Fall 2013		Enrollment:	30
Title:	Process Engineering Econ					Questionnaires:	28
Instructor:	Castellanos,Mar						

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
4. Were special techniques successful	26	1	0	0	0	0	1	5.00	****/1019	****	4.30	4.09	4.32	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	11	Required for Majors	19	Graduate	0	Major	23
28-55	0	1.00-1.99	0	B	5						
56-83	0	2.00-2.99	0	C	0	General	0	Under-grad	28	Non-major	5
84-150	8	3.00-3.49	5	D	0						
Grad.	0	3.50-4.00	8	F	0	Electives	0	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	0				
				?	9						

Student Course Evaluation Questionnaires

Course-Section: ENCH 445 01	Term - Fall 2013	Enrollment: 33
Title: Separation Processes		Questionnaires: 31
Instructor: Frey,Douglas D		

| Questions | NR | NA | Frequencies | | | | | Instructor | | Course | Org | UMBC | Level | Sect |
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	6	12	13	4.23	1006/1644	4.23	4.43	4.32	4.47	4.23
2. Did the instructor make clear the expected goals	0	0	0	1	5	9	16	4.29	948/1644	4.29	4.24	4.28	4.35	4.29
3. Did the exam questions reflect the expected goals	0	0	0	0	1	9	21	4.65	489/1419	4.65	4.43	4.35	4.48	4.65
4. Did other evaluations reflect the expected goals	0	9	0	1	4	3	14	4.36	773/1596	4.36	4.18	4.24	4.34	4.36
5. Did assigned readings contribute to what you learned	1	10	1	2	7	0	10	3.80	1141/1535	3.80	4.01	4.15	4.26	3.80
6. Did written assignments contribute to what you learned	1	12	0	1	3	3	11	4.33	629/1510	4.33	4.13	4.13	4.29	4.33
7. Was the grading system clearly explained	1	0	0	3	6	4	17	4.17	1003/1620	4.17	4.27	4.20	4.25	4.17
8. How many times was class cancelled	2	0	0	0	0	16	13	4.45	1252/1642	4.45	4.57	4.68	4.67	4.45
9. How would you grade the overall teaching effectiveness	1	1	0	0	5	11	13	4.28	679/1596	4.28	4.20	4.12	4.20	4.28
Lecture														
1. Were the instructor's lectures well prepared	3	0	1	0	4	3	20	4.46	946/1534	4.46	4.38	4.48	4.54	4.46
2. Did the instructor seem interested in the subject	3	0	0	0	2	4	22	4.71	1066/1539	4.71	4.73	4.76	4.81	4.71
3. Was lecture material presented and explained clearly	3	0	1	0	6	3	18	4.32	925/1531	4.32	4.29	4.33	4.38	4.32
4. Did the lectures contribute to what you learned	3	0	1	1	2	5	19	4.43	856/1530	4.43	4.16	4.35	4.41	4.43
5. Did audiovisual techniques enhance your understanding	6	6	2	0	4	3	10	4.00	825/1409	4.00	4.15	4.08	4.15	4.00
Discussion														
1. Did class discussions contribute to what you learned	29	0	0	0	0	1	1	4.50	****/1366	****	4.08	4.18	4.37	****
2. Were all students actively encouraged to participate	29	0	0	0	0	1	1	4.50	****/1364	****	4.34	4.33	4.52	****
3. Did the instructor encourage fair and open discussion	29	0	0	0	0	0	2	5.00	****/1361	****	4.35	4.39	4.59	****

Student Course Evaluation Questionnaires

Course-Section:	ENCH 445 01					Term - Fall 2013							Enrollment:	33
Title:	Separation Processes												Questionnaires:	31
Instructor:	Frey,Douglas D													

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
4. Were special techniques successful	29	1	0	0	0	0	1	5.00	****/1019	****	4.30	4.09	4.32	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	0	A	17	Required for Majors	28	Graduate	0	Major	31
28-55	0	1.00-1.99	0	B	7						
56-83	0	2.00-2.99	2	C	1	General	0	Under-grad	31	Non-major	0
84-150	11	3.00-3.49	7	D	0						
Grad.	0	3.50-4.00	12	F	0	Electives	0	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	0				
				?	3						

Student Course Evaluation Questionnaires

Course-Section: ENCH 470 01	Term - Fall 2013	Enrollment: 10
Title: Chem & Env Modeling		**Questionnaires:** 9
Instructor: Enszer,Joshua A		

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	0	1	8	4.89	197/1644	4.89	4.43	4.32	4.47	4.89
2. Did the instructor make clear the expected goals	0	0	0	0	0	3	6	4.67	428/1644	4.67	4.24	4.28	4.35	4.67
3. Did the exam questions reflect the expected goals	0	0	0	0	0	4	5	4.56	587/1419	4.56	4.43	4.35	4.48	4.56
4. Did other evaluations reflect the expected goals	0	1	0	0	0	4	4	4.50	567/1596	4.50	4.18	4.24	4.34	4.50
5. Did assigned readings contribute to what you learned	0	4	0	0	0	3	2	4.40	578/1535	4.40	4.01	4.15	4.26	4.40
6. Did written assignments contribute to what you learned	0	2	0	0	0	5	2	4.29	691/1510	4.29	4.13	4.13	4.29	4.29
7. Was the grading system clearly explained	1	0	0	0	0	2	6	4.75	224/1620	4.75	4.27	4.20	4.25	4.75
8. How many times was class cancelled	0	0	0	0	0	0	9	5.00	1/1642	5.00	4.57	4.68	4.67	5.00
9. How would you grade the overall teaching effectiveness	0	0	0	0	0	1	8	4.89	104/1596	4.89	4.20	4.12	4.20	4.89
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	9	5.00	1/1534	5.00	4.38	4.48	4.54	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	9	5.00	1/1539	5.00	4.73	4.76	4.81	5.00
3. Was lecture material presented and explained clearly	1	0	0	0	1	1	6	4.63	536/1531	4.63	4.29	4.33	4.38	4.63
4. Did the lectures contribute to what you learned	0	0	0	0	0	0	9	5.00	1/1530	5.00	4.16	4.35	4.41	5.00
5. Did audiovisual techniques enhance your understanding	0	2	0	0	0	1	6	4.86	124/1409	4.86	4.15	4.08	4.15	4.86
Discussion														
1. Did class discussions contribute to what you learned	8	0	0	0	0	0	1	5.00	****/1366	****	4.08	4.18	4.37	****
2. Were all students actively encouraged to participate	8	0	0	0	0	0	1	5.00	****/1364	****	4.34	4.33	4.52	****

Student Course Evaluation Questionnaires

[Report Help](#)

Course-Section: ENCH 470 01	Term - Fall 2013	Enrollment: 10
Title: Chem & Env Modeling		Questionnaires: 9
Instructor: Enszer,Joshua A		

Questions	NR	NA	1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
Discussion														
3. Did the instructor encourage fair and open discussion	8	0	0	0	0	0	1	5.00	****/1361	****	4.35	4.39	4.59	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	4	Required for Majors	2	Graduate	4	Major	9
28-55	0	1.00-1.99	0	B	3						
56-83	0	2.00-2.99	2	C	1	General	0	Under-grad	5	Non-major	0
84-150	2	3.00-3.49	0	D	0						
Grad.	4	3.50-4.00	4	F	0	Electives	6	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	0				
				?	1						

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Student Course Evaluation Questionnaires

Report Help

Course-Section: ENCH 474 01	Term - Fall 2013	Enrollment: 22
Title: Air Pollution		Questionnaires: 17
Instructor: Hennigan,Christ		

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	1	1	2	13	4.59	588/1644	4.59	4.43	4.32	4.47	4.59
2. Did the instructor make clear the expected goals	0	0	0	2	0	4	11	4.41	785/1644	4.41	4.24	4.28	4.35	4.41
3. Did the exam questions reflect the expected goals	0	0	1	0	0	4	12	4.53	614/1419	4.53	4.43	4.35	4.48	4.53
4. Did other evaluations reflect the expected goals	0	4	0	1	0	3	9	4.54	528/1596	4.54	4.18	4.24	4.34	4.54
5. Did assigned readings contribute to what you learned	0	1	1	3	3	3	6	3.63	1258/1535	3.63	4.01	4.15	4.26	3.63
6. Did written assignments contribute to what you learned	0	2	1	0	1	4	9	4.33	629/1510	4.33	4.13	4.13	4.29	4.33
7. Was the grading system clearly explained	0	0	0	0	0	5	12	4.71	287/1620	4.71	4.27	4.20	4.25	4.71
8. How many times was class cancelled	0	0	0	0	0	2	15	4.88	673/1642	4.88	4.57	4.68	4.67	4.88
9. How would you grade the overall teaching effectiveness	3	0	0	1	1	5	7	4.29	667/1596	4.29	4.20	4.12	4.20	4.29
Lecture														
1. Were the instructor's lectures well prepared	0	0	1	0	3	1	12	4.35	1073/1534	4.35	4.38	4.48	4.54	4.35
2. Did the instructor seem interested in the subject	1	0	0	0	1	1	14	4.81	865/1539	4.81	4.73	4.76	4.81	4.81
3. Was lecture material presented and explained clearly	2	0	1	0	1	1	12	4.53	676/1531	4.53	4.29	4.33	4.38	4.53
4. Did the lectures contribute to what you learned	2	0	0	0	1	3	11	4.67	569/1530	4.67	4.16	4.35	4.41	4.67
5. Did audiovisual techniques enhance your understanding	2	3	2	0	2	1	7	3.92	912/1409	3.92	4.15	4.08	4.15	3.92
Discussion														
1. Did class discussions contribute to what you learned	14	0	1	1	0	1	0	2.33	****/1366	****	4.08	4.18	4.37	****
2. Were all students actively encouraged to participate	14	0	0	2	1	0	0	2.33	****/1364	****	4.34	4.33	4.52	****
3. Did the instructor encourage fair and open discussion	14	0	0	1	0	1	1	3.67	****/1361	****	4.35	4.39	4.59	****

Student Course Evaluation Questionnaires

Course-Section:	ENCH 474 01	Term - Fall 2013	Enrollment:	22
Title:	Air Pollution		Questionnaires:	17
Instructor:	Hennigan,Christ			

				Frequencies					Instructor		Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
4. Were special techniques successful	14	2	0	0	0	1	0	4.00	****/1019	****	4.30	4.09	4.32	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	0	A	9	Required for Majors	10	Graduate	3	Major	12
28-55	0	1.00-1.99	0	B	5						
56-83	0	2.00-2.99	1	C	1	General	1	Under-grad	14	Non-major	5
84-150	7	3.00-3.49	5	D	0						
Grad.	3	3.50-4.00	4	F	0	Electives	5				
				P	0			**** - Means there are not enough responses			
				I	0	Other	0	to be significant			
				?	1						

Student Course Evaluation Questionnaires

[Report Help](#)

Course-Section:	ENCH 482 01	Term - Fall 2013	Enrollment: 17
Title:	Biochemical Engineering		Questionnaires: 15
Instructor:	Marten,Mark R		

Questions	NR	NA	1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	1	0	0	0	1	3	10	4.64	509/1644	4.64	4.43	4.32	4.47	4.64
2. Did the instructor make clear the expected goals	1	0	0	0	0	6	8	4.57	545/1644	4.57	4.24	4.28	4.35	4.57
3. Did the exam questions reflect the expected goals	1	0	0	0	0	5	9	4.64	489/1419	4.64	4.43	4.35	4.48	4.64
4. Did other evaluations reflect the expected goals	1	2	0	1	1	5	5	4.17	1008/1596	4.17	4.18	4.24	4.34	4.17
5. Did assigned readings contribute to what you learned	1	0	0	2	0	4	8	4.29	710/1535	4.29	4.01	4.15	4.26	4.29
6. Did written assignments contribute to what you learned	1	0	0	2	1	6	5	4.00	921/1510	4.00	4.13	4.13	4.29	4.00
7. Was the grading system clearly explained	1	0	0	1	1	4	8	4.36	752/1620	4.36	4.27	4.20	4.25	4.36
8. How many times was class cancelled	2	0	0	0	0	7	6	4.46	1236/1642	4.46	4.57	4.68	4.67	4.46
9. How would you grade the overall teaching effectiveness	1	0	0	0	0	5	9	4.64	263/1596	4.64	4.20	4.12	4.20	4.64
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	1	1	6	6	4.21	1186/1534	4.21	4.38	4.48	4.54	4.21
2. Did the instructor seem interested in the subject	1	0	0	0	0	1	13	4.93	487/1539	4.93	4.73	4.76	4.81	4.93
3. Was lecture material presented and explained clearly	1	0	0	0	1	4	9	4.57	612/1531	4.57	4.29	4.33	4.38	4.57
4. Did the lectures contribute to what you learned	1	0	0	0	0	2	12	4.86	279/1530	4.86	4.16	4.35	4.41	4.86
5. Did audiovisual techniques enhance your understanding	1	1	0	0	3	3	7	4.31	579/1409	4.31	4.15	4.08	4.15	4.31
Discussion														
1. Did class discussions contribute to what you learned	4	0	0	0	0	2	9	4.82	227/1366	4.82	4.08	4.18	4.37	4.82
2. Were all students actively encouraged to participate	4	0	0	0	0	1	10	4.91	215/1364	4.91	4.34	4.33	4.52	4.91
3. Did the instructor encourage fair and open discussion	4	0	0	0	0	1	10	4.91	247/1361	4.91	4.35	4.39	4.59	4.91

Student Course Evaluation Questionnaires

Course-Section:	ENCH 482 01		Term - Fall 2013			Enrollment:	17
Title:	Biochemical Engineering					Questionnaires:	15
Instructor:	Marten,Mark R						

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
Discussion														
4. Were special techniques successful	4	6	0	0	0	3	2	4.40	339/1019	4.40	4.30	4.09	4.32	4.40

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	6	Required for Majors	8	Graduate	3	Major	11
28-55	0	1.00-1.99	0	B	2						
56-83	0	2.00-2.99	0	C	2	General	0	Under-grad	12	Non-major	4
84-150	2	3.00-3.49	2	D	0						
Grad.	3	3.50-4.00	5	F	0	Electives	3	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	0				
				?	4						

Student Course Evaluation Questionnaires

Course-Section:	ENCH 486 01
Title:	Survey Sensors & Instru
Instructor:	Rao,Govind

Term - Fall 2013

Enrollment:	9
Questionnaires:	9

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	0	4	5	4.56	626/1644	4.56	4.43	4.32	4.47	4.56
2. Did the instructor make clear the expected goals	0	0	0	0	0	3	6	4.67	428/1644	4.67	4.24	4.28	4.35	4.67
3. Did the exam questions reflect the expected goals	0	4	0	0	1	0	4	4.60	543/1419	4.60	4.43	4.35	4.48	4.60
4. Did other evaluations reflect the expected goals	0	1	0	0	0	1	7	4.88	141/1596	4.88	4.18	4.24	4.34	4.88
5. Did assigned readings contribute to what you learned	0	1	0	1	2	3	2	3.75	1176/1535	3.75	4.01	4.15	4.26	3.75
6. Did written assignments contribute to what you learned	0	2	0	2	0	3	2	3.71	1156/1510	3.71	4.13	4.13	4.29	3.71
7. Was the grading system clearly explained	0	0	0	2	2	3	2	3.56	1409/1620	3.56	4.27	4.20	4.25	3.56
8. How many times was class cancelled	0	0	0	0	0	0	9	5.00	1/1642	5.00	4.57	4.68	4.67	5.00
9. How would you grade the overall teaching effectiveness	2	1	0	0	0	0	6	5.00	1/1596	5.00	4.20	4.12	4.20	5.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	1	8	4.89	286/1534	4.89	4.38	4.48	4.54	4.89
2. Did the instructor seem interested in the subject	0	0	0	0	0	1	8	4.89	666/1539	4.89	4.73	4.76	4.81	4.89
3. Was lecture material presented and explained clearly	0	0	0	0	0	0	9	5.00	1/1531	5.00	4.29	4.33	4.38	5.00
4. Did the lectures contribute to what you learned	0	0	0	0	2	3	4	4.22	1028/1530	4.22	4.16	4.35	4.41	4.22
5. Did audiovisual techniques enhance your understanding	0	1	0	0	1	1	6	4.63	279/1409	4.63	4.15	4.08	4.15	4.63
Discussion														
1. Did class discussions contribute to what you learned	3	0	0	0	1	0	5	4.67	368/1366	4.67	4.08	4.18	4.37	4.67
2. Were all students actively encouraged to participate	3	0	0	0	0	0	6	5.00	1/1364	5.00	4.34	4.33	4.52	5.00
3. Did the instructor encourage fair and open discussion	3	0	0	0	0	0	6	5.00	1/1361	5.00	4.35	4.39	4.59	5.00
4. Were special techniques successful	3	0	0	0	1	1	4	4.50	262/1019	4.50	4.30	4.09	4.32	4.50

Student Course Evaluation Questionnaires

Course-Section:	ENCH 486 01		Term - Fall 2013		Enrollment: 9
Title:	Survey Sensors & Instru				Questionnaires: 9
Instructor:	Rao,Govind				

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
Laboratory														
1. Did the lab increase understanding of the material	4	0	0	0	0	1	4	4.80	34/185	4.80	4.33	4.23	4.60	4.80
2. Were you provided with adequate background information	4	0	0	0	1	2	2	4.20	126/209	4.20	4.49	4.19	4.27	4.20
3. Were necessary materials available for lab activities	4	0	0	1	0	2	2	4.00	162/181	4.00	4.41	4.53	4.31	4.00
4. Did the lab instructor provide assistance	4	0	0	0	1	1	3	4.40	121/183	4.40	4.52	4.46	4.63	4.40
5. Were requirements for lab reports clearly specified	4	2	0	0	1	1	1	4.00	108/172	4.00	4.16	4.14	4.02	4.00
Seminar														
1. Were assigned topics relevant to the announced theme	8	0	0	0	0	0	1	5.00	****/72	****	****	4.53	4.71	****
2. Was the instructor available for individual attention	8	0	0	0	0	1	0	4.00	****/71	****	****	4.38	4.66	****
3. Did research projects contribute to what you learned	8	0	0	0	0	1	0	4.00	****/68	****	****	4.41	4.74	****
4. Did presentations contribute to what you learned	8	0	0	0	0	1	0	4.00	****/71	****	****	4.40	4.50	****
5. Were criteria for grading made clear	8	0	0	0	0	1	0	4.00	****/73	****	****	4.09	4.32	****
Field Work														
1. Did field experience contribute to what you learned	7	0	0	0	0	1	1	4.50	****/48	****	****	4.16	4.39	****
2. Did you clearly understand your evaluation criteria	7	0	0	0	0	1	1	4.50	****/45	****	****	4.19	4.23	****
3. Was the instructor available for consultation	7	0	0	0	0	1	1	4.50	****/30	****	****	4.57	4.82	****
4. To what degree could you discuss your evaluations	8	0	0	0	0	0	1	5.00	****/27	****	****	4.25	4.42	****

Student Course Evaluation Questionnaires

| Course-Section: | ENCH 486 01 | | Term - Fall 2013 | | | Enrollment: | 9 |

| Title: | Survey Sensors & Instru | | | | Questionnaires: | 9 |

| Instructor: | Rao,Govind |

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
Field Work														
5. Did conferences help you carry out field activities	8	0	0	0	0	0	1	5.00	****/25	****	****	4.35	4.36	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	0	A	6	Required for Majors	3	Graduate	0	Major	7
28-55	0	1.00-1.99	0	B	0						
56-83	0	2.00-2.99	1	C	0	General	0	Under-grad	9	Non-major	2
84-150	4	3.00-3.49	2	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	4	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	0				
				?	1						

Student Course Evaluation Questionnaires

Course-Section: ENCH 660 01	Term - Fall 2013	Enrollment: 20
Title: Regulatory Iss Bio		Questionnaires: 20
Instructor: Moreira,Antonio		

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	5	0	0	1	0	3	11	4.60	564/1644	4.60	4.43	4.32	4.42	4.60
2. Did the instructor make clear the expected goals	5	0	0	1	1	5	8	4.33	897/1644	4.33	4.24	4.28	4.32	4.33
3. Did the exam questions reflect the expected goals	5	2	0	1	1	4	7	4.31	900/1419	4.31	4.43	4.35	4.45	4.31
4. Did other evaluations reflect the expected goals	5	0	1	1	2	4	7	4.00	1129/1596	4.00	4.18	4.24	4.32	4.00
5. Did assigned readings contribute to what you learned	5	0	1	0	3	3	8	4.13	855/1535	4.13	4.01	4.15	4.25	4.13
6. Did written assignments contribute to what you learned	6	0	0	0	1	4	9	4.57	359/1510	4.57	4.13	4.13	4.24	4.57
7. Was the grading system clearly explained	5	0	0	2	0	0	13	4.60	397/1620	4.60	4.27	4.20	4.29	4.60
8. How many times was class cancelled	5	0	0	1	0	1	13	4.73	943/1642	4.73	4.57	4.68	4.82	4.73
9. How would you grade the overall teaching effectiveness	9	0	0	0	1	5	5	4.36	565/1596	4.56	4.20	4.12	4.20	4.56
Lecture														
1. Were the instructor's lectures well prepared	5	0	0	0	1	1	13	4.80	439/1534	4.86	4.38	4.48	4.52	4.86
2. Did the instructor seem interested in the subject	6	0	0	0	0	0	14	5.00	1/1539	4.88	4.73	4.76	4.79	4.88
3. Was lecture material presented and explained clearly	5	0	0	0	1	2	12	4.73	377/1531	4.83	4.29	4.33	4.34	4.83
4. Did the lectures contribute to what you learned	5	0	0	0	0	1	14	4.93	141/1530	4.85	4.16	4.35	4.38	4.85
5. Did audiovisual techniques enhance your understanding	5	0	0	2	2	2	9	4.20	675/1409	4.39	4.15	4.08	4.04	4.39
Discussion														
1. Did class discussions contribute to what you learned	6	0	2	0	2	5	5	3.79	1027/1366	3.79	4.08	4.18	4.26	3.79
2. Were all students actively encouraged to participate	5	0	0	0	3	2	10	4.47	691/1364	4.47	4.34	4.33	4.46	4.47
3. Did the instructor encourage fair and open discussion	6	0	0	0	4	1	9	4.36	859/1361	4.36	4.35	4.39	4.49	4.36
4. Were special techniques successful	6	4	1	1	0	2	6	4.10	539/1019	4.10	4.30	4.09	4.12	4.10

Student Course Evaluation Questionnaires

Course-Section:	ENCH 660 01
Title:	Regulatory Iss Bio
Instructor:	Moreira,Antonio

Term - Fall 2013

Enrollment:	20
Questionnaires:	20

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
1. Did the lab increase understanding of the material	18	0	0	1	0	1	0	3.00	****/185	****	4.33	4.23	4.14	****
2. Were you provided with adequate background information	19	0	0	1	0	0	0	2.00	****/209	****	4.49	4.19	4.03	****
3. Were necessary materials available for lab activities	19	0	0	0	1	0	0	3.00	****/181	****	4.41	4.53	4.35	****
4. Did the lab instructor provide assistance	19	0	1	0	0	0	0	1.00	****/183	****	4.52	4.46	4.44	****
Seminar														
1. Were assigned topics relevant to the announced theme	19	0	0	0	0	1	0	4.00	****/72	****	****	4.53	4.53	****
3. Did research projects contribute to what you learned	19	0	0	1	0	0	0	2.00	****/68	****	****	4.41	4.37	****
4. Did presentations contribute to what you learned	19	0	0	0	1	0	0	3.00	****/71	****	****	4.40	4.53	****
5. Were criteria for grading made clear	19	0	0	1	0	0	0	2.00	****/73	****	****	4.09	4.09	****
Field Work														
1. Did field experience contribute to what you learned	19	0	0	0	0	1	0	4.00	****/48	****	****	4.16	3.59	****
2. Did you clearly understand your evaluation criteria	19	0	1	0	0	0	0	1.00	****/45	****	****	4.19	3.89	****
3. Was the instructor available for consultation	19	0	0	0	1	0	0	3.00	****/30	****	****	4.57	4.11	****
5. Did conferences help you carry out field activities	19	0	0	1	0	0	0	2.00	****/25	****	****	4.35	3.82	****
Self Paced														
1. Did self-paced system contribute to what you learned	19	0	1	0	0	0	0	1.00	****/51	****	****	4.03	3.66	****
2. Did study questions make clear the expected goal	19	0	0	1	0	0	0	2.00	****/31	****	****	4.18	3.73	****
3. Were your contacts with the instructor helpful	19	0	0	1	0	0	0	2.00	****/36	****	****	4.33	4.41	****
4. Was the feedback/tutoring by proctors helpful	19	0	0	1	0	0	0	2.00	****/19	****	****	4.17	3.84	****

Student Course Evaluation Questionnaires

Course-Section: ENCH 660 01	Term - Fall 2013	Enrollment: 20
Title: Regulatory Iss Bio		Questionnaires: 20
Instructor: Moreira,Antonio		

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
Self Paced														
5. Were there enough proctors for all the students	19	0	1	0	0	0	0	1.00	****/14	****	****	4.17	3.79	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	2	0.00-0.99	1	A	6	Required for Majors	7	Graduate	6	Major	0
28-55	0	1.00-1.99	0	B	2						
56-83	0	2.00-2.99	0	C	0	General	0	Under-grad	14	Non-major	20
84-150	0	3.00-3.49	0	D	0						
Grad.	6	3.50-4.00	2	F	0	Electives	1				
				P	0						
				I	0	Other	2				
				?	12						

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

Student Course Evaluation Questionnaires

[Report Help]

Course-Section: ENCH 660 01	Term - Fall 2013	Enrollment: 20
Title: Regulatory Iss Bio		Questionnaires: 20
Instructor: Federici,Mary M		

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	5	0	0	1	0	3	11	4.60	564/1644	4.60	4.43	4.32	4.42	4.60
2. Did the instructor make clear the expected goals	5	0	0	1	1	5	8	4.33	897/1644	4.33	4.24	4.28	4.32	4.33
3. Did the exam questions reflect the expected goals	5	2	0	1	1	4	7	4.31	900/1419	4.31	4.43	4.35	4.45	4.31
4. Did other evaluations reflect the expected goals	5	0	1	1	2	4	7	4.00	1129/1596	4.00	4.18	4.24	4.32	4.00
5. Did assigned readings contribute to what you learned	5	0	1	0	3	3	8	4.13	855/1535	4.13	4.01	4.15	4.25	4.13
6. Did written assignments contribute to what you learned	6	0	0	0	1	4	9	4.57	359/1510	4.57	4.13	4.13	4.24	4.57
7. Was the grading system clearly explained	5	0	0	2	0	0	13	4.60	397/1620	4.60	4.27	4.20	4.29	4.60
8. How many times was class cancelled	5	0	0	1	0	1	13	4.73	943/1642	4.73	4.57	4.68	4.82	4.73
9. How would you grade the overall teaching effectiveness	12	0	0	0	0	2	6	4.75	178/1596	4.56	4.20	4.12	4.20	4.56
Lecture														
1. Were the instructor's lectures well prepared	8	0	0	0	0	1	11	4.92	223/1534	4.86	4.38	4.48	4.52	4.86
2. Did the instructor seem interested in the subject	7	0	0	1	0	0	12	4.77	970/1539	4.88	4.73	4.76	4.79	4.88
3. Was lecture material presented and explained clearly	8	0	0	0	0	1	11	4.92	145/1531	4.83	4.29	4.33	4.34	4.83
4. Did the lectures contribute to what you learned	7	0	0	1	0	0	12	4.77	421/1530	4.85	4.16	4.35	4.38	4.85
5. Did audiovisual techniques enhance your understanding	8	0	0	1	0	2	9	4.58	313/1409	4.39	4.15	4.08	4.04	4.39
Discussion														
1. Did class discussions contribute to what you learned	6	0	2	0	2	5	5	3.79	1027/1366	3.79	4.08	4.18	4.26	3.79
2. Were all students actively encouraged to participate	5	0	0	0	3	2	10	4.47	691/1364	4.47	4.34	4.33	4.46	4.47
3. Did the instructor encourage fair and open discussion	6	0	0	0	4	1	9	4.36	859/1361	4.36	4.35	4.39	4.49	4.36
4. Were special techniques successful	6	4	1	1	0	2	6	4.10	539/1019	4.10	4.30	4.09	4.12	4.10

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Student Course Evaluation Questionnaires

Course-Section:	ENCH 660 01
Title:	Regulatory Iss Bio
Instructor:	Federici,Mary M

Term - Fall 2013

| Enrollment: | 20 |
| Questionnaires: | 20 |

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
Laboratory														
1. Did the lab increase understanding of the material	18	0	0	1	0	1	0	3.00	****/185	****	4.33	4.23	4.14	****
2. Were you provided with adequate background information	19	0	0	1	0	0	0	2.00	****/209	****	4.49	4.19	4.03	****
3. Were necessary materials available for lab activities	19	0	0	0	1	0	0	3.00	****/181	****	4.41	4.53	4.35	****
4. Did the lab instructor provide assistance	19	0	1	0	0	0	0	1.00	****/183	****	4.52	4.46	4.44	****
Seminar														
1. Were assigned topics relevant to the announced theme	19	0	0	0	0	1	0	4.00	****/72	****	****	4.53	4.53	****
3. Did research projects contribute to what you learned	19	0	0	1	0	0	0	2.00	****/68	****	****	4.41	4.37	****
4. Did presentations contribute to what you learned	19	0	0	0	1	0	0	3.00	****/71	****	****	4.40	4.53	****
5. Were criteria for grading made clear	19	0	0	1	0	0	0	2.00	****/73	****	****	4.09	4.09	****
Field Work														
1. Did field experience contribute to what you learned	19	0	0	0	0	1	0	4.00	****/48	****	****	4.16	3.59	****
2. Did you clearly understand your evaluation criteria	19	0	1	0	0	0	0	1.00	****/45	****	****	4.19	3.89	****
3. Was the instructor available for consultation	19	0	0	0	1	0	0	3.00	****/30	****	****	4.57	4.11	****
5. Did conferences help you carry out field activities	19	0	0	1	0	0	0	2.00	****/25	****	****	4.35	3.82	****
Self Paced														
1. Did self-paced system contribute to what you learned	19	0	1	0	0	0	0	1.00	****/51	****	****	4.03	3.66	****
2. Did study questions make clear the expected goal	19	0	0	1	0	0	0	2.00	****/31	****	****	4.18	3.73	****
3. Were your contacts with the instructor helpful	19	0	0	1	0	0	0	2.00	****/36	****	****	4.33	4.41	****
4. Was the feedback/tutoring by proctors helpful	19	0	0	1	0	0	0	2.00	****/19	****	****	4.17	3.84	****

Student Course Evaluation Questionnaires

Course-Section:	ENCH 660 01		Term - Fall 2013			Enrollment: 20
Title:	Regulatory Iss Bio					Questionnaires: 20
Instructor:	Federici,Mary M					

				Frequencies					Instructor		Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Self Paced														
5. Were there enough proctors for all the students	19	0	1	0	0	0	0	1.00	****/14	****	****	4.17	3.79	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	2	0.00-0.99	1	A	6	Required for Majors	7	Graduate	6	Major	0
28-55	0	1.00-1.99	0	B	2						
56-83	0	2.00-2.99	0	C	0	General	0	Under-grad	14	Non-major	20
84-150	0	3.00-3.49	0	D	0						
Grad.	6	3.50-4.00	2	F	0	Electives	1	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	2				
				?	12						

Student Course Evaluation Questionnaires

Course-Section:	ENCH 664 01	Term - Fall 2013	Enrollment:	23
Title:	QC/QA Biotech Products		Questionnaires:	21
Instructor:	Moreira,Antonio			

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	9	0	0	0	1	1	10	4.75	358/1644	4.75	4.43	4.32	4.42	4.75
2. Did the instructor make clear the expected goals	10	0	0	0	1	1	9	4.73	346/1644	4.73	4.24	4.28	4.32	4.73
3. Did the exam questions reflect the expected goals	10	0	0	0	1	1	9	4.73	380/1419	4.73	4.43	4.35	4.45	4.73
4. Did other evaluations reflect the expected goals	10	0	0	0	1	3	7	4.55	515/1596	4.55	4.18	4.24	4.32	4.55
5. Did assigned readings contribute to what you learned	10	1	0	0	2	0	8	4.60	361/1535	4.60	4.01	4.15	4.25	4.60
6. Did written assignments contribute to what you learned	10	0	0	0	1	2	8	4.64	304/1510	4.64	4.13	4.13	4.24	4.64
7. Was the grading system clearly explained	9	0	0	0	0	2	10	4.83	139/1620	4.83	4.27	4.20	4.29	4.83
8. How many times was class cancelled	9	0	0	0	0	7	5	4.42	1277/1642	4.42	4.57	4.68	4.82	4.42
9. How would you grade the overall teaching effectiveness	10	0	0	0	1	4	6	4.45	448/1596	4.45	4.20	4.12	4.20	4.45
Lecture														
1. Were the instructor's lectures well prepared	9	0	0	0	1	0	11	4.83	381/1534	4.83	4.38	4.48	4.52	4.83
2. Did the instructor seem interested in the subject	9	0	0	0	1	0	11	4.83	808/1539	4.83	4.73	4.76	4.79	4.83
3. Was lecture material presented and explained clearly	9	0	0	0	1	0	11	4.83	241/1531	4.83	4.29	4.33	4.34	4.83
4. Did the lectures contribute to what you learned	9	0	0	0	1	1	10	4.75	437/1530	4.74	4.16	4.35	4.38	4.74
5. Did audiovisual techniques enhance your understanding	9	1	0	1	1	1	8	4.45	433/1409	4.43	4.15	4.08	4.04	4.43
Discussion														
1. Did class discussions contribute to what you learned	11	0	0	0	2	1	7	4.50	492/1366	4.50	4.08	4.18	4.26	4.50
2. Were all students actively encouraged to participate	11	0	0	0	2	2	6	4.40	756/1364	4.40	4.34	4.33	4.46	4.40
3. Did the instructor encourage fair and open discussion	11	0	0	0	2	1	7	4.50	703/1361	4.50	4.35	4.39	4.49	4.50
4. Were special techniques successful	11	6	0	0	1	2	1	4.00	****/1019	****	4.30	4.09	4.12	****

Student Course Evaluation Questionnaires

Course-Section:	ENCH 664 01
Title:	QC/QA Biotech Products
Instructor:	Moreira,Antonio

Term - Fall 2013

Enrollment:	23
Questionnaires:	21

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Self Paced														
1. Did self-paced system contribute to what you learned	19	0	0	0	0	0	2	5.00	****/51	****	****	4.03	3.66	****
2. Did study questions make clear the expected goal	19	0	0	0	0	0	2	5.00	****/31	****	****	4.18	3.73	****
3. Were your contacts with the instructor helpful	19	0	0	0	0	0	2	5.00	****/36	****	****	4.33	4.41	****
4. Was the feedback/tutoring by proctors helpful	19	0	0	0	0	0	2	5.00	****/19	****	****	4.17	3.84	****
5. Were there enough proctors for all the students	19	0	0	0	0	0	2	5.00	****/14	****	****	4.17	3.79	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	0	A	7	Required for Majors	3	Graduate	6	Major	1
28-55	0	1.00-1.99	0	B	1						
56-83	0	2.00-2.99	0	C	0	General	1	Under-grad	15	Non-major	20
84-150	0	3.00-3.49	1	D	0						
Grad.	6	3.50-4.00	3	F	0	Electives	2	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	4				
				?	13						

Student Course Evaluation Questionnaires

Course-Section: ENCH 664 01		Term - Fall 2013		Enrollment: 23
Title: QC/QA Biotech Products				Questionnaires: 21
Instructor: Venkat,Krish				

Questions	NR	NA	Frequencies					Instructor		Course	Org	UMBC	Level	Sect
			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	9	0	0	0	1	1	10	4.75	358/1644	4.75	4.43	4.32	4.42	4.75
2. Did the instructor make clear the expected goals	10	0	0	0	1	1	9	4.73	346/1644	4.73	4.24	4.28	4.32	4.73
3. Did the exam questions reflect the expected goals	10	0	0	0	1	1	9	4.73	380/1419	4.73	4.43	4.35	4.45	4.73
4. Did other evaluations reflect the expected goals	10	0	0	0	1	3	7	4.55	515/1596	4.55	4.18	4.24	4.32	4.55
5. Did assigned readings contribute to what you learned	10	1	0	0	2	0	8	4.60	361/1535	4.60	4.01	4.15	4.25	4.60
6. Did written assignments contribute to what you learned	10	0	0	0	1	2	8	4.64	304/1510	4.64	4.13	4.13	4.24	4.64
7. Was the grading system clearly explained	9	0	0	0	0	2	10	4.83	139/1620	4.83	4.27	4.20	4.29	4.83
8. How many times was class cancelled	9	0	0	0	0	7	5	4.42	1277/1642	4.42	4.57	4.68	4.82	4.42
9. How would you grade the overall teaching effectiveness	10	0	0	0	1	4	6	4.45	448/1596	4.45	4.20	4.12	4.20	4.45
Lecture														
1. Were the instructor's lectures well prepared	10	0	0	0	1	0	10	4.82	419/1534	4.83	4.38	4.48	4.52	4.83
2. Did the instructor seem interested in the subject	10	0	0	0	1	0	10	4.82	865/1539	4.83	4.73	4.76	4.79	4.83
3. Was lecture material presented and explained clearly	10	0	0	0	1	0	10	4.82	263/1531	4.83	4.29	4.33	4.34	4.83
4. Did the lectures contribute to what you learned	10	0	0	0	1	1	9	4.73	486/1530	4.74	4.16	4.35	4.38	4.74
5. Did audiovisual techniques enhance your understanding	10	1	0	1	1	1	7	4.40	486/1409	4.43	4.15	4.08	4.04	4.43
Discussion														
1. Did class discussions contribute to what you learned	11	0	0	0	2	1	7	4.50	492/1366	4.50	4.08	4.18	4.26	4.50
2. Were all students actively encouraged to participate	11	0	0	0	2	2	6	4.40	756/1364	4.40	4.34	4.33	4.46	4.40
3. Did the instructor encourage fair and open discussion	11	0	0	0	2	1	7	4.50	703/1361	4.50	4.35	4.39	4.49	4.50
4. Were special techniques successful	11	6	0	0	1	2	1	4.00	****/1019	****	4.30	4.09	4.12	****

Student Course Evaluation Questionnaires

Course-Section: ENCH 664 01	**Term - Fall 2013**	**Enrollment:** 23
Title: QC/QA Biotech Products		**Questionnaires:** 21
Instructor: Venkat,Krish		

Questions	NR	NA	Frequencies					Instructor Mean	Instructor Rank	Course Mean	Org Mean	UMBC Mean	Level Mean	Sect Mean
			1	2	3	4	5							
Self Paced														
1. Did self-paced system contribute to what you learned	19	0	0	0	0	0	2	5.00	****/51	****	****	4.03	3.66	****
2. Did study questions make clear the expected goal	19	0	0	0	0	0	2	5.00	****/31	****	****	4.18	3.73	****
3. Were your contacts with the instructor helpful	19	0	0	0	0	0	2	5.00	****/36	****	****	4.33	4.41	****
4. Was the feedback/tutoring by proctors helpful	19	0	0	0	0	0	2	5.00	****/19	****	****	4.17	3.84	****
5. Were there enough proctors for all the students	19	0	0	0	0	0	2	5.00	****/14	****	****	4.17	3.79	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	0	A	7	Required for Majors	3	Graduate	6	Major	1
28-55	0	1.00-1.99	0	B	1						
56-83	0	2.00-2.99	0	C	0	General	1	Under-grad	15	Non-major	20
84-150	0	3.00-3.49	1	D	0						
Grad.	6	3.50-4.00	3	F	0	Electives	2	**** - Means there are not enough responses			
				P	0			to be significant			
				I	0	Other	4				
				?	13						