Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	2	0	1	1	3	14	16	4.23	929/1522	4.33	4.45	4.30	4.14	4.23
2. Did the instructor make clear the expected goals	2	0	0	1	5	11	18	4.31	811/1522	4.27	4.26	4.26	4.18	4.31
3. Did the exam questions reflect the expected goals	2	0	1	2	3	12	17	4.20	809/1285	4.18	4.31	4.30	4.22	4.20
4. Did other evaluations reflect the expected goals	2	21	1	3	2	3	5	3.57	1293/1476	3.81	4.22	4.22	4.09	3.57
5. Did assigned readings contribute to what you learned	2	3	1	3	7	10	11	3.84	940/1412	3.88	3.70	4.06	4.01	3.84
6. Did written assignments contribute to what you learned	2	25	0	2	1	1	6	4.10	753/1381	4.10	4.09	4.08	3.93	4.10
7. Was the grading system clearly explained	3	0	0	0	2	6	26	4.71	263/1500	4.52	4.25	4.18	4.16	4.71
8. How many times was class cancelled	2	2	1	0	1	0	31	4.82	691/1517	4.66	4.61	4.65	4.62	4.82
9. How would you grade the overall teaching effectiveness	6	0	0	2	4	19	6	3.94	993/1497	4.12	4.18	4.11	4.02	3.94
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	1	2	6	26	4.63	656/1440	4.68	4.67	4.45	4.40	4.63
2. Did the instructor seem interested in the subject	2	0	0	1	0	5	29	4.77	821/1448	4.78	4.87	4.71	4.63	4.77
3. Was lecture material presented and explained clearly	2	0	0	1	1	11	22	4.54	551/1436	4.57	4.44	4.29	4.24	4.54
4. Did the lectures contribute to what you learned	2	0	1	0	1	10	23	4.54	590/1432	4.64	4.49	4.29	4.23	4.54
5. Did audiovisual techniques enhance your understanding	3	1	2	2	2	9	18	4.18	508/1221	4.08	4.27	3.93	3.86	4.18
Discussion														
1. Did class discussions contribute to what you learned	19	0	0	0	4	6	8	4.22	605/1280	4.11	3.95	4.10	3.92	4.22
2. Were all students actively encouraged to participate	19	0	0	0	4	3	11	4.39	706/1277	4.14	4.39	4.34	4.13	4.39
3. Did the instructor encourage fair and open discussion	19	0	0	0	1	4	13	4.67	461/1269	4.30	4.41	4.31	4.04	4.67
4. Were special techniques successful	19	9	0	0	1	2	6	4.56	****/ 854	****	3.93	4.02	3.87	****
Laboratory														
1. Did the lab increase understanding of the material	36	0	0	0	0	0	1	5.00	****/ 215	****	4.81	4.36	4.31	****
2. Were you provided with adequate background information	36	0	0	0	0	0	1	5.00	****/ 228	****	4.60	4.35	4.33	****
3. Were necessary materials available for lab activities	36	0	0	0	0	0	1	5.00	****/ 217	****	4.72	4.51	4.51	****
4. Did the lab instructor provide assistance	36	0	0	0	0	0	1	5.00	****/ 216	****	4.79	4.42	4.41	****
5. Were requirements for lab reports clearly specified	36	0	0	0	0	0	1	5.00	****/ 205	****	4.39	4.23	4.28	****
Seminar														
1. Were assigned topics relevant to the announced theme	36	0	0	0	0	0	1	5.00	****/ 79	****	5.00	4.58	4.13	****
2. Was the instructor available for individual attention	36	0	0	0	0	0	1	5.00	****/ 77	****	5.00	4.52	4.03	****
3. Did research projects contribute to what you learned	36	0	0	0	0	0	1	5.00	****/ 65	****	4.80	4.49	3.85	****
4. Did presentations contribute to what you learned	36	0	0	0	0	0	1	5.00	****/ 78	****	5.00	4.45	3.88	****
5. Were criteria for grading made clear	36	0	0	0	0	0	1	5.00	****/ 80	****	4.80	4.11	3.79	****
Field Work														
1. Did field experience contribute to what you learned	36	0	0	0	0	0	1	5.00	****/ 47	****	4.76	4.41	3.90	****
2. Did you clearly understand your evaluation criteria	36	0	0	0	0	0	1	5.00	****/ 45	****	3.95	4.30	3.90	****
3. Was the instructor available for consultation	36	0	0	0	0	0	1	5.00	****/ 39	****	4.32	4.40	3.99	****
4. To what degree could you discuss your evaluations	36	0	0	0	0	0	1	5.00	****/ 35	****	4.05	4.31	4.00	****
5. Did conferences help you carry out field activities	36	0	0	0	0	0	1	5.00	****/ 34	****	3.50	4.30	4.11	****
Self Paced														
1. Did self-paced system contribute to what you learned	36	0	0	0	0	0	1	5.00	****/ 37	****	4.00	4.63	4.53	****
2. Did study questions make clear the expected goal	36	0	0	0	0	0	1	5.00	****/ 23	****	****	4.41	4.19	****
3. Were your contacts with the instructor helpful	36	0	0	0	0	0	1	5.00	****/ 33	****	4.75	4.69	4.57	****
4. Was the feedback/tutoring by proctors helpful	36	0	0	0	0	0	1	5.00	****/ 22	****	****	4.54	4.31	****
5. Were there enough proctors for all the students	36	0	0	0	0	0	1	5.00	****/ 18	****	****	4.49	4.11	****

Student Course Evaluation Questionnaire

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	5	0.00-0.99	1	A	9	Required for Majors	19	Graduate	0	Major	3
28-55	4	1.00-1.99	0	B	9						
56-83	3	2.00-2.99	5	C	11	General	5	Under-grad	37	Non-major	34
84-150	3	3.00-3.49	5	D	0						
Grad.	0	3.50-4.00	3	F	3	Electives	4	#### - Means there are not enough responses to be significant			
				P	1						
				I	0	Other	7				
				?	2						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	9	13	32	4.43	707/1522	4.33	4.45	4.30	4.14	4.43
2. Did the instructor make clear the expected goals	0	0	0	3	10	13	28	4.22	904/1522	4.27	4.26	4.26	4.18	4.22
3. Did the exam questions reflect the expected goals	1	0	0	3	9	17	24	4.17	833/1285	4.18	4.31	4.30	4.22	4.17
4. Did other evaluations reflect the expected goals	1	34	2	1	0	7	9	4.05	982/1476	3.81	4.22	4.22	4.09	4.05
5. Did assigned readings contribute to what you learned	1	0	3	4	9	15	22	3.92	865/1412	3.88	3.70	4.06	4.01	3.92
6. Did written assignments contribute to what you learned	2	43	1	1	2	1	4	3.67	****/1381	4.10	4.09	4.08	3.93	****
7. Was the grading system clearly explained	1	0	1	1	6	16	29	4.34	700/1500	4.52	4.25	4.18	4.16	4.34
8. How many times was class cancelled	1	0	1	1	1	17	33	4.51	1080/1517	4.66	4.61	4.65	4.62	4.51
9. How would you grade the overall teaching effectiveness	2	0	0	0	6	24	22	4.31	602/1497	4.12	4.18	4.11	4.02	4.31
Lecture														
1. Were the instructor's lectures well prepared	6	0	0	1	2	6	39	4.73	512/1440	4.68	4.67	4.45	4.40	4.73
2. Did the instructor seem interested in the subject	5	0	0	0	1	8	40	4.80	783/1448	4.78	4.87	4.71	4.63	4.80
3. Was lecture material presented and explained clearly	6	0	0	1	3	10	34	4.60	478/1436	4.57	4.44	4.29	4.24	4.60
4. Did the lectures contribute to what you learned	6	0	0	0	4	5	39	4.73	383/1432	4.64	4.49	4.29	4.23	4.73
5. Did audiovisual techniques enhance your understanding	7	3	0	5	9	12	18	3.98	632/1221	4.08	4.27	3.93	3.86	3.98
Discussion														
1. Did class discussions contribute to what you learned	27	0	2	0	6	7	12	4.00	718/1280	4.11	3.95	4.10	3.92	4.00
2. Were all students actively encouraged to participate	27	0	2	4	2	6	13	3.89	1020/1277	4.14	4.39	4.34	4.13	3.89
3. Did the instructor encourage fair and open discussion	27	0	2	3	2	8	12	3.93	943/1269	4.30	4.41	4.31	4.04	3.93
4. Were special techniques successful	28	15	0	0	3	1	7	4.36	****/ 854	****	3.93	4.02	3.87	****
Laboratory														
1. Did the lab increase understanding of the material	52	1	0	0	0	0	1	5.00	****/ 215	****	4.81	4.36	4.31	****
2. Were you provided with adequate background information	53	0	0	0	0	0	1	5.00	****/ 228	****	4.60	4.35	4.33	****
3. Were necessary materials available for lab activities	53	0	0	0	0	0	1	5.00	****/ 217	****	4.72	4.51	4.51	****
4. Did the lab instructor provide assistance	53	0	0	0	0	0	1	5.00	****/ 216	****	4.79	4.42	4.41	****
5. Were requirements for lab reports clearly specified	53	0	0	0	0	0	1	5.00	****/ 205	****	4.39	4.23	4.28	****
Seminar														
1. Were assigned topics relevant to the announced theme	53	0	0	0	0	0	1	5.00	****/ 79	****	5.00	4.58	4.13	****
2. Was the instructor available for individual attention	53	0	0	0	0	0	1	5.00	****/ 77	****	5.00	4.52	4.03	****
3. Did research projects contribute to what you learned	53	0	0	0	0	0	1	5.00	****/ 65	****	4.80	4.49	3.85	****
4. Did presentations contribute to what you learned	53	0	0	0	0	0	1	5.00	****/ 78	****	5.00	4.45	3.88	****
5. Were criteria for grading made clear	53	0	0	0	0	0	1	5.00	****/ 80	****	4.80	4.11	3.79	****
Field Work														
1. Did field experience contribute to what you learned	53	0	0	0	0	0	1	5.00	****/ 47	****	4.76	4.41	3.90	****
2. Did you clearly understand your evaluation criteria	53	0	0	0	0	0	1	5.00	****/ 45	****	3.95	4.30	3.90	****
3. Was the instructor available for consultation	53	0	0	0	0	0	1	5.00	****/ 39	****	4.32	4.40	3.99	****
4. To what degree could you discuss your evaluations	53	0	0	0	0	0	1	5.00	****/ 35	****	4.05	4.31	4.00	****
5. Did conferences help you carry out field activities	53	0	0	0	0	0	1	5.00	****/ 34	****	3.50	4.30	4.11	****
Self Paced														
1. Did self-paced system contribute to what you learned	53	0	0	0	0	0	1	5.00	****/ 37	****	4.00	4.63	4.53	****
2. Did study questions make clear the expected goal	53	0	0	0	0	0	1	5.00	****/ 23	****	****	4.41	4.19	****
3. Were your contacts with the instructor helpful	53	0	0	0	0	0	1	5.00	****/ 33	****	4.75	4.69	4.57	****
4. Was the feedback/tutoring by proctors helpful	53	0	0	0	0	0	1	5.00	****/ 22	****	****	4.54	4.31	****
5. Were there enough proctors for all the students	53	0	0	0	0	0	1	5.00	****/ 18	****	****	4.49	4.11	****

Instructor: BENNETT, SARI J Spring 2007 Job IRBR3029
Enrollment: 105
Questionnaires: 54

Student Course Evaluation Questionnaire

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	4	0.00-0.99	0	A	13	Required for Majors	24	Graduate	1	Major	2
28-55	8	1.00-1.99	0	B	16						
56-83	5	2.00-2.99	5	C	12	General	7	Under-grad	53	Non-major	52
84-150	5	3.00-3.49	9	D	1						
Grad.	1	3.50-4.00	9	F	1	Electives	3	#### - Means there are not enough responses to be significant			
				P	0						
				I	0	Other	11				
				?	2						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	1	0	1	0	5	11	13	4.17	991/1522	4.16	4.45	4.30	4.14	4.17
2. Did the instructor make clear the expected goals	1	0	0	0	5	10	15	4.33	787/1522	4.32	4.26	4.26	4.18	4.33
3. Did the exam questions reflect the expected goals	1	0	0	1	5	11	13	4.20	809/1285	4.21	4.31	4.30	4.22	4.20
4. Did other evaluations reflect the expected goals	1	11	0	0	2	9	8	4.32	724/1476	3.93	4.22	4.22	4.09	4.32
5. Did assigned readings contribute to what you learned	2	2	2	5	5	7	8	3.52	1159/1412	3.58	3.70	4.06	4.01	3.52
6. Did written assignments contribute to what you learned	1	24	1	0	0	1	4	4.17	****/1381	****	4.09	4.08	3.93	****
7. Was the grading system clearly explained	1	0	1	0	3	7	19	4.43	585/1500	4.54	4.25	4.18	4.16	4.43
8. How many times was class cancelled	1	0	0	0	0	9	21	4.70	901/1517	4.74	4.61	4.65	4.62	4.70
9. How would you grade the overall teaching effectiveness	7	2	1	0	4	8	9	4.09	839/1497	3.90	4.18	4.11	4.02	4.09
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	2	4	23	4.72	512/1440	4.58	4.67	4.45	4.40	4.72
2. Did the instructor seem interested in the subject	2	0	0	0	2	0	27	4.86	602/1448	4.82	4.87	4.71	4.63	4.86
3. Was lecture material presented and explained clearly	2	0	1	0	2	7	19	4.48	624/1436	4.32	4.44	4.29	4.24	4.48
4. Did the lectures contribute to what you learned	2	0	1	0	1	5	22	4.62	502/1432	4.36	4.49	4.29	4.23	4.62
5. Did audiovisual techniques enhance your understanding	2	2	1	0	0	4	22	4.70	150/1221	4.49	4.27	3.93	3.86	4.70
Discussion														
1. Did class discussions contribute to what you learned	17	0	2	2	3	3	4	3.36	1099/1280	3.72	3.95	4.10	3.92	3.36
2. Were all students actively encouraged to participate	18	0	3	0	3	2	5	3.46	1150/1277	3.61	4.39	4.34	4.13	3.46
3. Did the instructor encourage fair and open discussion	18	0	1	0	3	3	6	4.00	875/1269	4.38	4.41	4.31	4.04	4.00
4. Were special techniques successful	18	10	1	0	2	0	0	2.33	****/ 854	****	3.93	4.02	3.87	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	4	0.00-0.99	0	A	8	Required for Majors	9	Graduate	0	Major	3
28-55	1	1.00-1.99	1	B	8						
56-83	5	2.00-2.99	4	C	7	General	2	Under-grad	31	Non-major	28
84-150	5	3.00-3.49	4	D	2						
Grad.	0	3.50-4.00	6	F	2	Electives	3	#### - Means there are not enough responses to be significant			
				P	0						
				I	0	Other	14				
				?	2						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	1	9	7	16	4.15	1001/1522	4.16	4.45	4.30	4.14	4.15
2. Did the instructor make clear the expected goals	0	0	0	2	4	9	18	4.30	824/1522	4.32	4.26	4.26	4.18	4.30
3. Did the exam questions reflect the expected goals	1	0	0	3	4	8	17	4.22	794/1285	4.21	4.31	4.30	4.22	4.22
4. Did other evaluations reflect the expected goals	2	20	0	1	4	5	1	3.55	1306/1476	3.93	4.22	4.22	4.09	3.55
5. Did assigned readings contribute to what you learned	1	4	2	4	5	8	9	3.64	1088/1412	3.58	3.70	4.06	4.01	3.64
6. Did written assignments contribute to what you learned	1	25	0	2	1	2	2	3.57	****/1381	****	4.09	4.08	3.93	****
7. Was the grading system clearly explained	1	0	0	1	1	6	24	4.66	325/1500	4.54	4.25	4.18	4.16	4.66
8. How many times was class cancelled	1	0	0	0	0	7	25	4.78	749/1517	4.74	4.61	4.65	4.62	4.78
9. How would you grade the overall teaching effectiveness	3	2	0	1	10	13	4	3.71	1174/1497	3.90	4.18	4.11	4.02	3.71
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	2	3	6	21	4.44	891/1440	4.58	4.67	4.45	4.40	4.44
2. Did the instructor seem interested in the subject	1	0	0	0	1	5	26	4.78	802/1448	4.82	4.87	4.71	4.63	4.78
3. Was lecture material presented and explained clearly	1	0	0	2	7	7	16	4.16	965/1436	4.32	4.44	4.29	4.24	4.16
4. Did the lectures contribute to what you learned	1	0	1	3	4	8	16	4.09	995/1432	4.36	4.49	4.29	4.23	4.09
5. Did audiovisual techniques enhance your understanding	1	2	1	1	4	7	17	4.27	455/1221	4.49	4.27	3.93	3.86	4.27
Discussion														
1. Did class discussions contribute to what you learned	21	0	1	0	2	3	6	4.08	690/1280	3.72	3.95	4.10	3.92	4.08
2. Were all students actively encouraged to participate	21	0	0	1	4	4	3	3.75	1066/1277	3.61	4.39	4.34	4.13	3.75
3. Did the instructor encourage fair and open discussion	21	0	0	0	1	1	10	4.75	381/1269	4.38	4.41	4.31	4.04	4.75
4. Were special techniques successful	21	8	1	1	1	1	0	2.50	****/ 854	****	3.93	4.02	3.87	****
Laboratory														
1. Did the lab increase understanding of the material	32	0	0	1	0	0	0	2.00	****/ 215	****	4.81	4.36	4.31	****
2. Were you provided with adequate background information	32	0	0	0	0	1	0	4.00	****/ 228	****	4.60	4.35	4.33	****
3. Were necessary materials available for lab activities	32	0	0	0	0	0	1	5.00	****/ 217	****	4.72	4.51	4.51	****
4. Did the lab instructor provide assistance	32	0	0	0	0	1	0	4.00	****/ 216	****	4.79	4.42	4.41	****
5. Were requirements for lab reports clearly specified	31	0	1	0	0	0	1	3.00	****/ 205	****	4.39	4.23	4.28	****
Seminar														
1. Were assigned topics relevant to the announced theme	32	0	0	0	0	1	0	4.00	****/ 79	****	5.00	4.58	4.13	****
2. Was the instructor available for individual attention	32	0	0	0	0	0	1	5.00	****/ 77	****	5.00	4.52	4.03	****
3. Did research projects contribute to what you learned	32	0	0	0	0	1	0	4.00	****/ 65	****	4.80	4.49	3.85	****
4. Did presentations contribute to what you learned	32	0	0	0	0	0	1	5.00	****/ 78	****	5.00	4.45	3.88	****
5. Were criteria for grading made clear	32	0	0	0	0	0	1	5.00	****/ 80	****	4.80	4.11	3.79	****
Field Work														
1. Did field experience contribute to what you learned	32	0	0	0	0	0	1	5.00	****/ 47	****	4.76	4.41	3.90	****
2. Did you clearly understand your evaluation criteria	32	0	0	0	0	0	1	5.00	****/ 45	****	3.95	4.30	3.90	****
3. Was the instructor available for consultation	32	0	0	0	0	1	0	4.00	****/ 39	****	4.32	4.40	3.99	****
4. To what degree could you discuss your evaluations	32	0	0	0	0	1	0	4.00	****/ 35	****	4.05	4.31	4.00	****
5. Did conferences help you carry out field activities	32	0	0	0	0	1	0	4.00	****/ 34	****	3.50	4.30	4.11	****
Self Paced														
1. Did self-paced system contribute to what you learned	32	0	0	0	0	1	0	4.00	****/ 37	****	4.00	4.63	4.53	****
2. Did study questions make clear the expected goal	32	0	0	0	0	1	0	4.00	****/ 23	****	****	4.41	4.19	****
3. Were your contacts with the instructor helpful	32	0	0	0	0	0	1	5.00	****/ 33	****	4.75	4.69	4.57	****
4. Was the feedback/tutoring by proctors helpful	32	0	0	0	1	0	0	3.00	****/ 22	****	****	4.54	4.31	****
5. Were there enough proctors for all the students	32	0	0	0	1	0	0	3.00	****/ 18	****	****	4.49	4.11	****

Student Course Evaluation Questionnaire

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	4	0.00-0.99	0	A	11	Required for Majors	10	Graduate	0	Major	4
28-55	2	1.00-1.99	0	B	11						
56-83	4	2.00-2.99	4	C	8	General	4	Under-grad	33	Non-major	29
84-150	2	3.00-3.49	3	D	0						
Grad.	0	3.50-4.00	6	F	0	Electives	3	#### - Means there are not enough responses to be significant			
				P	0						
				I	0	Other	15				
				?	1						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	2	0	1	1	3	9	12	4.15	1001/1522	4.15	4.45	4.30	4.14	4.15
2. Did the instructor make clear the expected goals	2	0	0	5	2	4	15	4.12	1016/1522	4.12	4.26	4.26	4.18	4.12
3. Did the exam questions reflect the expected goals	2	0	0	1	3	6	16	4.42	626/1285	4.42	4.31	4.30	4.22	4.42
4. Did other evaluations reflect the expected goals	2	23	0	0	0	1	2	4.67	****/1476	****	4.22	4.22	4.09	****
5. Did assigned readings contribute to what you learned	2	1	0	1	3	9	12	4.28	538/1412	4.28	3.70	4.06	4.01	4.28
6. Did written assignments contribute to what you learned	2	24	0	0	1	1	0	3.50	****/1381	****	4.09	4.08	3.93	****
7. Was the grading system clearly explained	2	0	0	0	1	6	19	4.69	275/1500	4.69	4.25	4.18	4.16	4.69
8. How many times was class cancelled	2	1	0	0	1	2	22	4.84	623/1517	4.84	4.61	4.65	4.62	4.84
9. How would you grade the overall teaching effectiveness	4	2	1	0	5	10	6	3.91	1034/1497	3.91	4.18	4.11	4.02	3.91
Lecture														
1. Were the instructor's lectures well prepared	3	0	0	1	0	6	18	4.64	630/1440	4.64	4.67	4.45	4.40	4.64
2. Did the instructor seem interested in the subject	3	0	0	0	0	2	23	4.92	395/1448	4.92	4.87	4.71	4.63	4.92
3. Was lecture material presented and explained clearly	3	0	2	1	3	5	14	4.12	987/1436	4.12	4.44	4.29	4.24	4.12
4. Did the lectures contribute to what you learned	3	1	1	1	3	6	13	4.21	922/1432	4.21	4.49	4.29	4.23	4.21
5. Did audiovisual techniques enhance your understanding	2	0	0	1	5	4	16	4.35	401/1221	4.35	4.27	3.93	3.86	4.35
Discussion														
1. Did class discussions contribute to what you learned	15	0	0	1	4	5	3	3.77	900/1280	3.77	3.95	4.10	3.92	3.77
2. Were all students actively encouraged to participate	15	0	0	1	2	4	6	4.15	873/1277	4.15	4.39	4.34	4.13	4.15
3. Did the instructor encourage fair and open discussion	14	0	0	0	7	3	4	3.79	1013/1269	3.79	4.41	4.31	4.04	3.79
Laboratory														
2. Were you provided with adequate background information	27	0	1	0	0	0	0	1.00	****/ 228	****	4.60	4.35	4.33	****
4. Did the lab instructor provide assistance	27	0	1	0	0	0	0	1.00	****/ 216	****	4.79	4.42	4.41	****
Seminar														
4. Did presentations contribute to what you learned	27	0	0	0	1	0	0	3.00	****/ 78	****	5.00	4.45	3.88	****
5. Were criteria for grading made clear	27	0	0	0	1	0	0	3.00	****/ 80	****	4.80	4.11	3.79	****
Field Work														
1. Did field experience contribute to what you learned	27	0	1	0	0	0	0	1.00	****/ 47	****	4.76	4.41	3.90	****
2. Did you clearly understand your evaluation criteria	27	0	0	0	1	0	0	3.00	****/ 45	****	3.95	4.30	3.90	****
3. Was the instructor available for consultation	27	0	0	0	1	0	0	3.00	****/ 39	****	4.32	4.40	3.99	****
4. To what degree could you discuss your evaluations	27	0	1	0	0	0	0	1.00	****/ 35	****	4.05	4.31	4.00	****
5. Did conferences help you carry out field activities	27	0	1	0	0	0	0	1.00	****/ 34	****	3.50	4.30	4.11	****
Self Paced														
1. Did self-paced system contribute to what you learned	27	0	1	0	0	0	0	1.00	****/ 37	****	4.00	4.63	4.53	****
2. Did study questions make clear the expected goal	27	0	1	0	0	0	0	1.00	****/ 23	****	****	4.41	4.19	****
3. Were your contacts with the instructor helpful	27	0	1	0	0	0	0	1.00	****/ 33	****	4.75	4.69	4.57	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	3	0.00-0.99	0	A	8	Required for Majors	12	Graduate	0	Major	6
28-55	2	1.00-1.99	1	B	10						
56-83	4	2.00-2.99	4	C	6	General	5	Under-grad	28	Non-major	22
84-150	5	3.00-3.49	3	D	1						
Grad.	0	3.50-4.00	6	F	0	Electives	1	#### - Means there are not enough responses to be significant			
				P	0						

I	0	Other	6
?	0		

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	3	10	16	27	4.20	959/1522	4.20	4.45	4.30	4.14	4.20
2. Did the instructor make clear the expected goals	1	0	1	3	9	12	30	4.22	914/1522	4.22	4.26	4.26	4.18	4.22
3. Did the exam questions reflect the expected goals	1	0	2	2	9	16	26	4.13	865/1285	4.13	4.31	4.30	4.22	4.13
4. Did other evaluations reflect the expected goals	1	38	0	1	0	3	13	4.65	336/1476	4.65	4.22	4.22	4.09	4.65
5. Did assigned readings contribute to what you learned	1	1	0	0	8	15	31	4.43	411/1412	4.43	3.70	4.06	4.01	4.43
6. Did written assignments contribute to what you learned	1	44	0	0	0	3	8	4.73	****/1381	****	4.09	4.08	3.93	****
7. Was the grading system clearly explained	1	0	1	0	3	13	38	4.58	406/1500	4.58	4.25	4.18	4.16	4.58
8. How many times was class cancelled	1	0	0	0	1	35	19	4.33	1225/1517	4.33	4.61	4.65	4.62	4.33
9. How would you grade the overall teaching effectiveness	6	0	1	3	11	21	14	3.88	1049/1497	3.88	4.18	4.11	4.02	3.88
Lecture														
1. Were the instructor's lectures well prepared	1	0	1	1	3	8	42	4.62	669/1440	4.62	4.67	4.45	4.40	4.62
2. Did the instructor seem interested in the subject	1	0	0	0	4	2	49	4.82	737/1448	4.82	4.87	4.71	4.63	4.82
3. Was lecture material presented and explained clearly	2	0	3	2	9	9	31	4.17	957/1436	4.17	4.44	4.29	4.24	4.17
4. Did the lectures contribute to what you learned	1	0	0	4	6	9	36	4.40	758/1432	4.40	4.49	4.29	4.23	4.40
5. Did audiovisual techniques enhance your understanding	3	0	0	1	1	12	39	4.68	168/1221	4.68	4.27	3.93	3.86	4.68
Discussion														
1. Did class discussions contribute to what you learned	15	0	3	3	10	9	16	3.78	887/1280	3.78	3.95	4.10	3.92	3.78
2. Were all students actively encouraged to participate	15	0	2	0	7	7	25	4.29	773/1277	4.29	4.39	4.34	4.13	4.29
3. Did the instructor encourage fair and open discussion	15	0	1	0	2	7	31	4.63	485/1269	4.63	4.41	4.31	4.04	4.63
4. Were special techniques successful	15	30	2	0	5	1	3	3.27	****/ 854	****	3.93	4.02	3.87	****
Seminar														
1. Were assigned topics relevant to the announced theme	55	0	0	0	0	0	1	5.00	****/ 79	****	5.00	4.58	4.13	****
4. Did presentations contribute to what you learned	55	0	0	0	1	0	0	3.00	****/ 78	****	5.00	4.45	3.88	****
5. Were criteria for grading made clear	55	0	0	0	1	0	0	3.00	****/ 80	****	4.80	4.11	3.79	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	10	0.00-0.99	0	A	17	Required for Majors	32	Graduate	0	Major	3
28-55	7	1.00-1.99	2	B	20						
56-83	9	2.00-2.99	5	C	12	General	6	Under-grad	56	Non-major	53
84-150	7	3.00-3.49	9	D	0						
Grad.	0	3.50-4.00	15	F	2	Electives	3	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	14				
				?	3						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	1	1	10	4.75	320/1522	4.75	4.45	4.30	4.34	4.75
2. Did the instructor make clear the expected goals	0	0	0	0	2	0	10	4.67	358/1522	4.67	4.26	4.26	4.29	4.67
3. Did the exam questions reflect the expected goals	0	10	0	0	0	0	2	5.00	****/1285	****	4.31	4.30	4.36	****
4. Did other evaluations reflect the expected goals	0	3	0	0	1	3	5	4.44	566/1476	4.44	4.22	4.22	4.20	4.44
5. Did assigned readings contribute to what you learned	0	6	3	0	0	0	3	3.00	1327/1412	3.00	3.70	4.06	4.00	3.00
6. Did written assignments contribute to what you learned	0	2	0	1	1	4	4	4.10	753/1381	4.10	4.09	4.08	3.97	4.10
7. Was the grading system clearly explained	0	1	0	2	2	3	4	3.82	1141/1500	3.82	4.25	4.18	4.20	3.82
8. How many times was class cancelled	0	0	0	0	0	0	12	5.00	1/1517	5.00	4.61	4.65	4.63	5.00
9. How would you grade the overall teaching effectiveness	1	0	0	0	0	3	8	4.73	215/1497	4.73	4.18	4.11	4.11	4.73
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	0	2	8	4.80	353/1440	4.80	4.67	4.45	4.42	4.80
2. Did the instructor seem interested in the subject	2	0	0	0	0	0	10	5.00	1/1448	5.00	4.87	4.71	4.78	5.00
3. Was lecture material presented and explained clearly	2	0	0	0	0	1	9	4.90	123/1436	4.90	4.44	4.29	4.29	4.90
4. Did the lectures contribute to what you learned	2	0	0	0	1	1	8	4.70	418/1432	4.70	4.49	4.29	4.31	4.70
5. Did audiovisual techniques enhance your understanding	2	7	0	0	1	2	0	3.67	832/1221	3.67	4.27	3.93	4.02	3.67
Discussion														
1. Did class discussions contribute to what you learned	9	0	0	0	0	0	3	5.00	1/1280	5.00	3.95	4.10	4.08	5.00
2. Were all students actively encouraged to participate	9	0	0	0	0	1	2	4.67	470/1277	4.67	4.39	4.34	4.33	4.67
3. Did the instructor encourage fair and open discussion	9	0	0	0	1	0	2	4.33	721/1269	4.33	4.41	4.31	4.33	4.33
4. Were special techniques successful	9	0	0	0	0	1	2	4.67	141/ 854	4.67	3.93	4.02	4.00	4.67
Laboratory														
1. Did the lab increase understanding of the material	7	1	0	0	0	0	4	5.00	1/ 215	5.00	4.81	4.36	4.62	5.00
2. Were you provided with adequate background information	7	0	0	0	0	0	5	5.00	1/ 228	5.00	4.60	4.35	4.56	5.00
3. Were necessary materials available for lab activities	7	0	0	0	0	0	5	5.00	1/ 217	5.00	4.72	4.51	4.57	5.00
4. Did the lab instructor provide assistance	7	0	0	0	0	0	5	5.00	1/ 216	5.00	4.79	4.42	4.72	5.00
5. Were requirements for lab reports clearly specified	7	0	0	0	0	0	5	5.00	1/ 205	5.00	4.39	4.23	4.37	5.00
Field Work														
1. Did field experience contribute to what you learned	8	0	0	0	0	0	4	5.00	1/ 47	5.00	4.76	4.41	4.83	5.00
2. Did you clearly understand your evaluation criteria	8	0	0	0	1	0	3	4.50	21/ 45	4.50	3.95	4.30	4.58	4.50
3. Was the instructor available for consultation	8	0	0	0	1	0	3	4.50	22/ 39	4.50	4.32	4.40	4.75	4.50
4. To what degree could you discuss your evaluations	8	0	0	0	0	2	2	4.50	14/ 35	4.50	4.05	4.31	4.75	4.50
5. Did conferences help you carry out field activities	8	1	0	0	2	1	0	3.33	30/ 34	3.33	3.50	4.30	4.17	3.33

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	9	Required for Majors	0	Graduate	0	Major	2
28-55	2	1.00-1.99	0	B	3						
56-83	1	2.00-2.99	1	C	0	General	0	Under-grad	12	Non-major	10
84-150	1	3.00-3.49	2	D	0						
Grad.	0	3.50-4.00	3	F	0	Electives	0	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	12				
				?	0						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	1	0	1	4	9	4.33	814/1522	4.33	4.45	4.30	4.34	4.33
2. Did the instructor make clear the expected goals	0	0	1	0	0	8	6	4.20	935/1522	4.20	4.26	4.26	4.29	4.20
3. Did the exam questions reflect the expected goals	0	0	0	0	3	5	7	4.27	759/1285	4.27	4.31	4.30	4.36	4.27
4. Did other evaluations reflect the expected goals	0	0	1	0	4	5	5	3.87	1145/1476	3.87	4.22	4.22	4.20	3.87
5. Did assigned readings contribute to what you learned	0	1	1	1	6	5	1	3.29	1278/1412	3.29	3.70	4.06	4.00	3.29
6. Did written assignments contribute to what you learned	0	0	1	0	8	4	2	3.40	1198/1381	3.40	4.09	4.08	3.97	3.40
7. Was the grading system clearly explained	0	0	0	1	6	4	4	3.73	1197/1500	3.73	4.25	4.18	4.20	3.73
8. How many times was class cancelled	0	0	0	0	0	3	12	4.80	714/1517	4.80	4.61	4.65	4.63	4.80
9. How would you grade the overall teaching effectiveness	4	0	0	0	1	8	2	4.09	839/1497	4.09	4.18	4.11	4.11	4.09
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	1	1	6	7	4.27	1039/1440	4.27	4.67	4.45	4.42	4.27
2. Did the instructor seem interested in the subject	0	0	0	0	0	2	13	4.87	602/1448	4.87	4.87	4.71	4.78	4.87
3. Was lecture material presented and explained clearly	0	0	0	1	3	4	7	4.13	980/1436	4.13	4.44	4.29	4.29	4.13
4. Did the lectures contribute to what you learned	0	0	1	0	2	2	10	4.33	820/1432	4.33	4.49	4.29	4.31	4.33
5. Did audiovisual techniques enhance your understanding	0	3	0	1	2	3	6	4.17	524/1221	4.17	4.27	3.93	4.02	4.17
Discussion														
1. Did class discussions contribute to what you learned	5	0	1	0	3	3	3	3.70	941/1280	3.70	3.95	4.10	4.08	3.70
2. Were all students actively encouraged to participate	5	0	0	1	1	2	6	4.30	766/1277	4.30	4.39	4.34	4.33	4.30
3. Did the instructor encourage fair and open discussion	5	0	0	1	1	4	4	4.10	853/1269	4.10	4.41	4.31	4.33	4.10
4. Were special techniques successful	6	5	2	0	0	2	0	2.50	832/ 854	2.50	3.93	4.02	4.00	2.50
Laboratory														
1. Did the lab increase understanding of the material	11	0	0	0	0	0	4	5.00	1/ 215	5.00	4.81	4.36	4.62	5.00
2. Were you provided with adequate background information	11	0	0	0	1	0	3	4.50	83/ 228	4.50	4.60	4.35	4.56	4.50
3. Were necessary materials available for lab activities	11	0	0	0	0	1	3	4.75	71/ 217	4.75	4.72	4.51	4.57	4.75
4. Did the lab instructor provide assistance	11	0	0	0	0	0	4	5.00	1/ 216	5.00	4.79	4.42	4.72	5.00
5. Were requirements for lab reports clearly specified	11	1	0	0	0	0	3	5.00	****/ 205	****	4.39	4.23	4.37	****
Seminar														
1. Were assigned topics relevant to the announced theme	14	0	0	0	0	0	1	5.00	****/ 79	****	5.00	4.58	4.58	****
2. Was the instructor available for individual attention	14	0	0	0	0	0	1	5.00	****/ 77	****	5.00	4.52	5.00	****
3. Did research projects contribute to what you learned	14	0	0	0	0	0	1	5.00	****/ 65	****	4.80	4.49	5.00	****
4. Did presentations contribute to what you learned	14	0	0	0	0	0	1	5.00	****/ 78	****	5.00	4.45	5.00	****
5. Were criteria for grading made clear	14	0	0	0	0	0	1	5.00	****/ 80	****	4.80	4.11	4.00	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	0	A	1	Required for Majors	0	Graduate	0	Major	11
28-55	1	1.00-1.99	0	B	6						
56-83	4	2.00-2.99	2	C	6	General	1	Under-grad	15	Non-major	4
84-150	3	3.00-3.49	4	D	0						
Grad.	0	3.50-4.00	3	F	1	Electives	0	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	13				
				?	0						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	2	5	6	17	4.27	889/1522	4.27	4.45	4.30	4.34	4.27
2. Did the instructor make clear the expected goals	1	0	0	0	7	13	9	4.07	1048/1522	4.07	4.26	4.26	4.25	4.07
3. Did the exam questions reflect the expected goals	1	0	0	1	6	9	13	4.17	825/1285	4.17	4.31	4.30	4.30	4.17
4. Did other evaluations reflect the expected goals	2	1	1	0	5	19	2	3.78	1188/1476	3.78	4.22	4.22	4.26	3.78
5. Did assigned readings contribute to what you learned	1	1	4	2	4	13	5	3.46	1189/1412	3.46	3.70	4.06	4.03	3.46
6. Did written assignments contribute to what you learned	1	0	1	2	9	14	3	3.55	1141/1381	3.55	4.09	4.08	4.13	3.55
7. Was the grading system clearly explained	1	0	0	1	6	11	11	4.10	935/1500	4.10	4.25	4.18	4.13	4.10
8. How many times was class cancelled	1	0	1	1	11	12	4	3.59	1487/1517	3.59	4.61	4.65	4.62	3.59
9. How would you grade the overall teaching effectiveness	3	0	1	1	4	15	6	3.89	1049/1497	3.89	4.18	4.11	4.13	3.89
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	1	5	23	4.76	452/1440	4.76	4.67	4.45	4.46	4.76
2. Did the instructor seem interested in the subject	1	0	0	0	3	6	20	4.59	1089/1448	4.59	4.87	4.71	4.71	4.59
3. Was lecture material presented and explained clearly	1	0	1	0	4	10	14	4.24	886/1436	4.24	4.44	4.29	4.30	4.24
4. Did the lectures contribute to what you learned	2	0	0	0	6	8	14	4.29	862/1432	4.29	4.49	4.29	4.29	4.29
5. Did audiovisual techniques enhance your understanding	0	5	0	0	6	5	14	4.32	415/1221	4.32	4.27	3.93	3.94	4.32
Discussion														
1. Did class discussions contribute to what you learned	22	0	1	0	3	2	2	3.50	1031/1280	3.50	3.95	4.10	4.14	3.50
2. Were all students actively encouraged to participate	22	0	0	0	1	6	1	4.00	930/1277	4.00	4.39	4.34	4.38	4.00
3. Did the instructor encourage fair and open discussion	22	0	0	0	4	2	2	3.75	1030/1269	3.75	4.41	4.31	4.39	3.75
4. Were special techniques successful	22	0	0	1	4	2	1	3.38	714/ 854	3.38	3.93	4.02	4.00	3.38

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	8	Required for Majors	1	Graduate	0	Major	0
28-55	0	1.00-1.99	0	B	15						
56-83	2	2.00-2.99	4	C	5	General	12	Under-grad	30	Non-major	30
84-150	10	3.00-3.49	7	D	0						
Grad.	0	3.50-4.00	6	F	1	Electives	1	#### - Means there are not enough responses to be significant			
				P	0						
				I	0	Other	15				
				?	1						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	2	0	0	2	2	3	11	4.28	879/1522	4.28	4.45	4.30	4.34	4.28
2. Did the instructor make clear the expected goals	1	0	1	3	6	5	4	3.42	1396/1522	3.42	4.26	4.26	4.25	3.42
3. Did the exam questions reflect the expected goals	2	0	0	4	4	5	5	3.61	1138/1285	3.61	4.31	4.30	4.30	3.61
4. Did other evaluations reflect the expected goals	2	0	0	3	2	7	6	3.89	1136/1476	3.89	4.22	4.22	4.26	3.89
5. Did assigned readings contribute to what you learned	1	0	2	2	5	6	4	3.42	1213/1412	3.42	3.70	4.06	4.03	3.42
6. Did written assignments contribute to what you learned	2	2	3	1	2	7	3	3.38	1210/1381	3.38	4.09	4.08	4.13	3.38
7. Was the grading system clearly explained	2	0	3	6	6	2	1	2.56	1469/1500	2.56	4.25	4.18	4.13	2.56
8. How many times was class cancelled	1	0	0	0	0	1	18	4.95	292/1517	4.95	4.61	4.65	4.62	4.95
9. How would you grade the overall teaching effectiveness	3	0	0	2	2	9	4	3.88	1049/1497	3.88	4.18	4.11	4.13	3.88
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	1	5	12	4.61	669/1440	4.61	4.67	4.45	4.46	4.61
2. Did the instructor seem interested in the subject	1	0	0	0	1	0	18	4.89	521/1448	4.89	4.87	4.71	4.71	4.89
3. Was lecture material presented and explained clearly	2	0	0	1	3	5	9	4.22	906/1436	4.22	4.44	4.29	4.30	4.22
4. Did the lectures contribute to what you learned	2	0	0	3	3	6	6	3.83	1156/1432	3.83	4.49	4.29	4.29	3.83
5. Did audiovisual techniques enhance your understanding	1	1	0	0	3	5	10	4.39	373/1221	4.39	4.27	3.93	3.94	4.39
Discussion														
1. Did class discussions contribute to what you learned	11	0	1	2	2	2	2	3.22	1143/1280	3.22	3.95	4.10	4.14	3.22
2. Were all students actively encouraged to participate	13	0	0	0	1	0	6	4.71	421/1277	4.71	4.39	4.34	4.38	4.71
3. Did the instructor encourage fair and open discussion	12	0	0	0	1	2	5	4.50	586/1269	4.50	4.41	4.31	4.39	4.50
4. Were special techniques successful	13	0	0	0	2	0	5	4.43	240/ 854	4.43	3.93	4.02	4.00	4.43
Field Work														
1. Did field experience contribute to what you learned	6	0	0	1	1	3	9	4.43	30/ 47	4.43	4.76	4.41	4.56	4.43
2. Did you clearly understand your evaluation criteria	6	0	2	4	1	5	2	3.07	39/ 45	3.07	3.95	4.30	4.39	3.07
3. Was the instructor available for consultation	6	3	0	1	0	3	7	4.45	24/ 39	4.45	4.32	4.40	4.68	4.45
4. To what degree could you discuss your evaluations	6	1	0	1	4	3	5	3.92	27/ 35	3.92	4.05	4.31	4.26	3.92
5. Did conferences help you carry out field activities	6	5	0	3	0	3	3	3.67	26/ 34	3.67	3.50	4.30	4.12	3.67

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	2	Required for Majors	0	Graduate	0	Major	5
28-55	2	1.00-1.99	0	B	11						
56-83	6	2.00-2.99	5	C	3	General	5	Under-grad	20	Non-major	15
84-150	6	3.00-3.49	3	D	0						
Grad.	0	3.50-4.00	5	F	1	Electives	0	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	14				
				?	1						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	4	0	0	1	3	13	12	4.24	909/1522	4.24	4.45	4.30	4.34	4.24
2. Did the instructor make clear the expected goals	4	0	0	1	1	7	20	4.59	454/1522	4.59	4.26	4.26	4.25	4.59
3. Did the exam questions reflect the expected goals	4	0	0	0	0	5	24	4.83	212/1285	4.83	4.31	4.30	4.30	4.83
4. Did other evaluations reflect the expected goals	4	0	0	0	2	10	17	4.52	463/1476	4.52	4.22	4.22	4.26	4.52
5. Did assigned readings contribute to what you learned	4	1	1	4	5	9	9	3.75	1013/1412	3.75	3.70	4.06	4.03	3.75
6. Did written assignments contribute to what you learned	4	0	1	4	4	8	12	3.90	945/1381	3.90	4.09	4.08	4.13	3.90
7. Was the grading system clearly explained	4	0	0	1	0	5	23	4.72	242/1500	4.72	4.25	4.18	4.13	4.72
8. How many times was class cancelled	4	0	0	0	9	9	11	4.07	1368/1517	4.07	4.61	4.65	4.62	4.07
9. How would you grade the overall teaching effectiveness	6	0	0	0	7	12	8	4.04	878/1497	4.04	4.18	4.11	4.13	4.04
Lecture														
1. Were the instructor's lectures well prepared	6	0	0	0	2	4	21	4.70	552/1440	4.70	4.67	4.45	4.46	4.70
2. Did the instructor seem interested in the subject	6	0	0	0	0	3	24	4.89	548/1448	4.89	4.87	4.71	4.71	4.89
3. Was lecture material presented and explained clearly	7	0	0	0	4	10	12	4.31	825/1436	4.31	4.44	4.29	4.30	4.31
4. Did the lectures contribute to what you learned	7	0	0	1	4	3	18	4.46	682/1432	4.46	4.49	4.29	4.29	4.46
5. Did audiovisual techniques enhance your understanding	8	1	1	0	4	7	12	4.21	493/1221	4.21	4.27	3.93	3.94	4.21
Discussion														
1. Did class discussions contribute to what you learned	27	0	0	0	1	3	2	4.17	****/1280	****	3.95	4.10	4.14	****
2. Were all students actively encouraged to participate	27	0	0	0	1	0	5	4.67	****/1277	****	4.39	4.34	4.38	****
3. Did the instructor encourage fair and open discussion	27	0	0	0	0	1	5	4.83	****/1269	****	4.41	4.31	4.39	****
4. Were special techniques successful	27	1	0	0	0	4	1	4.20	****/ 854	****	3.93	4.02	4.00	****
Laboratory														
1. Did the lab increase understanding of the material	32	0	0	0	0	0	1	5.00	****/ 215	****	4.81	4.36	4.21	****
2. Were you provided with adequate background information	32	0	0	0	0	0	1	5.00	****/ 228	****	4.60	4.35	4.29	****
3. Were necessary materials available for lab activities	32	0	0	0	0	0	1	5.00	****/ 217	****	4.72	4.51	4.45	****
4. Did the lab instructor provide assistance	32	0	0	0	0	0	1	5.00	****/ 216	****	4.79	4.42	4.35	****
5. Were requirements for lab reports clearly specified	32	0	0	0	0	0	1	5.00	****/ 205	****	4.39	4.23	4.26	****
Seminar														
1. Were assigned topics relevant to the announced theme	32	0	0	0	0	0	1	5.00	****/ 79	****	5.00	4.58	4.53	****
2. Was the instructor available for individual attention	32	0	0	0	0	0	1	5.00	****/ 77	****	5.00	4.52	4.30	****
3. Did research projects contribute to what you learned	32	0	0	0	0	0	1	5.00	****/ 65	****	4.80	4.49	4.33	****
4. Did presentations contribute to what you learned	32	0	0	0	0	0	1	5.00	****/ 78	****	5.00	4.45	4.34	****
5. Were criteria for grading made clear	32	0	0	0	0	0	1	5.00	****/ 80	****	4.80	4.11	3.33	****
Field Work														
1. Did field experience contribute to what you learned	32	0	0	0	0	0	1	5.00	****/ 47	****	4.76	4.41	4.56	****
2. Did you clearly understand your evaluation criteria	32	0	0	0	0	0	1	5.00	****/ 45	****	3.95	4.30	4.39	****
3. Was the instructor available for consultation	32	0	0	0	0	0	1	5.00	****/ 39	****	4.32	4.40	4.68	****
4. To what degree could you discuss your evaluations	32	0	0	0	0	0	1	5.00	****/ 35	****	4.05	4.31	4.26	****
5. Did conferences help you carry out field activities	32	0	0	0	0	0	1	5.00	****/ 34	****	3.50	4.30	4.12	****
Self Paced														
1. Did self-paced system contribute to what you learned	32	0	0	0	0	0	1	5.00	****/ 37	****	4.00	4.63	5.00	****
2. Did study questions make clear the expected goal	32	0	0	0	0	0	1	5.00	****/ 23	****	****	4.41	****	****
3. Were your contacts with the instructor helpful	32	0	0	0	0	0	1	5.00	****/ 33	****	4.75	4.69	4.75	****
4. Was the feedback/tutoring by proctors helpful	32	0	0	0	0	0	1	5.00	****/ 22	****	****	4.54	****	****
5. Were there enough proctors for all the students	32	0	0	0	0	0	1	5.00	****/ 18	****	****	4.49	****	****

Student Course Evaluation Questionnaire

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	20	Required for Majors	1	Graduate	0	Major	7
28-55	3	1.00-1.99	0	B	6						
56-83	3	2.00-2.99	6	C	1	General	5	Under-grad	33	Non-major	26
84-150	9	3.00-3.49	6	D	0						
Grad.	0	3.50-4.00	4	F	1	Electives	0	#### - Means there are not enough responses to be significant			
				P	0						
				I	0	Other	23				
				?	0						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	0	3	27	4.90	176/1522	4.90	4.45	4.30	4.34	4.90
2. Did the instructor make clear the expected goals	1	0	0	0	5	11	13	4.28	854/1522	4.28	4.26	4.26	4.25	4.28
3. Did the exam questions reflect the expected goals	1	0	0	0	2	9	18	4.55	478/1285	4.55	4.31	4.30	4.30	4.55
4. Did other evaluations reflect the expected goals	0	0	0	1	5	9	15	4.27	781/1476	4.27	4.22	4.22	4.26	4.27
5. Did assigned readings contribute to what you learned	0	0	0	0	1	10	19	4.60	283/1412	4.60	3.70	4.06	4.03	4.60
6. Did written assignments contribute to what you learned	1	0	0	0	6	10	13	4.24	614/1381	4.24	4.09	4.08	4.13	4.24
7. Was the grading system clearly explained	0	0	0	1	4	7	18	4.40	630/1500	4.40	4.25	4.18	4.13	4.40
8. How many times was class cancelled	0	0	0	0	0	29	1	4.03	1378/1517	4.03	4.61	4.65	4.62	4.03
9. How would you grade the overall teaching effectiveness	6	0	0	0	0	8	16	4.67	264/1497	4.67	4.18	4.11	4.13	4.67
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	3	27	4.90	192/1440	4.90	4.67	4.45	4.46	4.90
2. Did the instructor seem interested in the subject	0	0	0	0	0	1	29	4.97	198/1448	4.97	4.87	4.71	4.71	4.97
3. Was lecture material presented and explained clearly	0	0	0	0	2	3	25	4.77	279/1436	4.77	4.44	4.29	4.30	4.77
4. Did the lectures contribute to what you learned	0	0	0	0	0	3	27	4.90	161/1432	4.90	4.49	4.29	4.29	4.90
5. Did audiovisual techniques enhance your understanding	0	12	5	1	2	6	4	3.17	1038/1221	3.17	4.27	3.93	3.94	3.17
Discussion														
1. Did class discussions contribute to what you learned	11	0	0	0	3	3	13	4.53	376/1280	4.53	3.95	4.10	4.14	4.53
2. Were all students actively encouraged to participate	11	0	0	0	1	2	16	4.79	340/1277	4.79	4.39	4.34	4.38	4.79
3. Did the instructor encourage fair and open discussion	11	0	0	0	0	3	16	4.84	288/1269	4.84	4.41	4.31	4.39	4.84
4. Were special techniques successful	11	4	0	2	2	2	9	4.20	363/ 854	4.20	3.93	4.02	4.00	4.20

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	7	Required for Majors	1	Graduate	0	Major	2
28-55	1	1.00-1.99	0	B	13						
56-83	3	2.00-2.99	4	C	6	General	10	Under-grad	30	Non-major	28
84-150	11	3.00-3.49	8	D	0						
Grad.	0	3.50-4.00	9	F	1	Electives	0	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	18				
				?	2						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	0	5	11	4.69	414/1522	4.69	4.45	4.30	4.34	4.69
2. Did the instructor make clear the expected goals	0	0	0	1	2	4	9	4.31	811/1522	4.31	4.26	4.26	4.25	4.31
3. Did the exam questions reflect the expected goals	0	0	0	0	0	4	12	4.75	278/1285	4.75	4.31	4.30	4.30	4.75
4. Did other evaluations reflect the expected goals	0	0	0	0	0	6	10	4.63	357/1476	4.63	4.22	4.22	4.26	4.63
5. Did assigned readings contribute to what you learned	0	0	1	0	3	8	4	3.88	916/1412	3.88	3.70	4.06	4.03	3.88
6. Did written assignments contribute to what you learned	0	1	0	0	1	7	7	4.40	434/1381	4.40	4.09	4.08	4.13	4.40
7. Was the grading system clearly explained	0	0	0	0	1	7	8	4.44	585/1500	4.44	4.25	4.18	4.13	4.44
8. How many times was class cancelled	0	0	0	0	0	3	13	4.81	691/1517	4.81	4.61	4.65	4.62	4.81
9. How would you grade the overall teaching effectiveness	3	0	0	0	0	10	3	4.23	674/1497	4.23	4.18	4.11	4.13	4.23
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	5	11	4.69	578/1440	4.69	4.67	4.45	4.46	4.69
2. Did the instructor seem interested in the subject	0	0	0	0	0	3	13	4.81	737/1448	4.81	4.87	4.71	4.71	4.81
3. Was lecture material presented and explained clearly	0	0	0	0	0	7	9	4.56	527/1436	4.56	4.44	4.29	4.30	4.56
4. Did the lectures contribute to what you learned	0	0	0	0	0	5	11	4.69	430/1432	4.69	4.49	4.29	4.29	4.69
5. Did audiovisual techniques enhance your understanding	0	0	0	0	1	7	8	4.44	335/1221	4.44	4.27	3.93	3.94	4.44
Discussion														
1. Did class discussions contribute to what you learned	8	0	0	0	1	4	3	4.25	585/1280	4.25	3.95	4.10	4.14	4.25
2. Were all students actively encouraged to participate	8	0	0	0	0	3	5	4.63	508/1277	4.63	4.39	4.34	4.38	4.63
3. Did the instructor encourage fair and open discussion	8	0	0	0	0	3	5	4.63	493/1269	4.63	4.41	4.31	4.39	4.63
4. Were special techniques successful	8	0	0	0	1	4	3	4.25	330/ 854	4.25	3.93	4.02	4.00	4.25
Field Work														
1. Did field experience contribute to what you learned	15	0	0	0	0	1	0	4.00	****/ 47	****	4.76	4.41	4.56	****
2. Did you clearly understand your evaluation criteria	15	0	0	0	1	0	0	3.00	****/ 45	****	3.95	4.30	4.39	****
3. Was the instructor available for consultation	15	0	0	0	1	0	0	3.00	****/ 39	****	4.32	4.40	4.68	****
4. To what degree could you discuss your evaluations	15	0	0	0	0	0	1	5.00	****/ 35	****	4.05	4.31	4.26	****
5. Did conferences help you carry out field activities	15	0	0	0	0	1	0	4.00	****/ 34	****	3.50	4.30	4.12	****
Self Paced														
1. Did self-paced system contribute to what you learned	15	0	0	0	0	1	0	4.00	****/ 37	****	4.00	4.63	5.00	****
2. Did study questions make clear the expected goal	15	0	0	0	0	0	1	5.00	****/ 23	****	****	4.41	****	****
3. Were your contacts with the instructor helpful	15	0	0	0	0	0	1	5.00	****/ 33	****	4.75	4.69	4.75	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	5	Required for Majors	1	Graduate	0	Major	8
28-55	1	1.00-1.99	0	B	7						
56-83	0	2.00-2.99	4	C	2	General	5	Under-grad	16	Non-major	8
84-150	6	3.00-3.49	3	D	0						
Grad.	0	3.50-4.00	1	F	0	Electives	1	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	10				
				?	1						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	0	4	8	4.67	433/1522	4.67	4.45	4.30	4.34	4.67
2. Did the instructor make clear the expected goals	0	0	0	0	0	3	9	4.75	255/1522	4.75	4.26	4.26	4.25	4.75
3. Did the exam questions reflect the expected goals	0	1	0	0	0	3	8	4.73	308/1285	4.73	4.31	4.30	4.30	4.73
4. Did other evaluations reflect the expected goals	0	1	0	0	0	3	8	4.73	255/1476	4.73	4.22	4.22	4.26	4.73
5. Did assigned readings contribute to what you learned	0	4	3	1	1	3	0	2.50	1385/1412	2.50	3.70	4.06	4.03	2.50
6. Did written assignments contribute to what you learned	0	7	0	0	0	3	2	4.40	434/1381	4.40	4.09	4.08	4.13	4.40
7. Was the grading system clearly explained	0	0	0	0	1	1	10	4.75	211/1500	4.75	4.25	4.18	4.13	4.75
8. How many times was class cancelled	0	0	0	0	0	2	10	4.83	645/1517	4.83	4.61	4.65	4.62	4.83
9. How would you grade the overall teaching effectiveness	2	0	0	0	0	3	7	4.70	240/1497	4.70	4.18	4.11	4.13	4.70
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	0	1	9	4.90	192/1440	4.90	4.67	4.45	4.46	4.90
2. Did the instructor seem interested in the subject	2	0	0	0	0	0	10	5.00	1/1448	5.00	4.87	4.71	4.71	5.00
3. Was lecture material presented and explained clearly	2	0	0	0	0	2	8	4.80	217/1436	4.80	4.44	4.29	4.30	4.80
4. Did the lectures contribute to what you learned	2	0	0	0	0	2	8	4.80	294/1432	4.80	4.49	4.29	4.29	4.80
5. Did audiovisual techniques enhance your understanding	3	0	0	0	0	2	7	4.78	114/1221	4.78	4.27	3.93	3.94	4.78
Discussion														
1. Did class discussions contribute to what you learned	3	0	0	0	1	5	3	4.22	605/1280	4.22	3.95	4.10	4.14	4.22
2. Were all students actively encouraged to participate	3	0	0	0	0	0	9	5.00	1/1277	5.00	4.39	4.34	4.38	5.00
3. Did the instructor encourage fair and open discussion	3	0	0	0	0	4	5	4.56	547/1269	4.56	4.41	4.31	4.39	4.56
4. Were special techniques successful	3	7	0	1	0	0	1	3.50	****/ 854	****	3.93	4.02	4.00	****
Laboratory														
1. Did the lab increase understanding of the material	9	0	0	0	0	1	2	4.67	63/ 215	4.67	4.81	4.36	4.21	4.67
2. Were you provided with adequate background information	9	0	0	0	1	0	2	4.33	135/ 228	4.33	4.60	4.35	4.29	4.33
3. Were necessary materials available for lab activities	9	0	0	0	0	2	1	4.33	159/ 217	4.33	4.72	4.51	4.45	4.33
4. Did the lab instructor provide assistance	9	1	0	0	1	1	0	3.50	****/ 216	****	4.79	4.42	4.35	****
5. Were requirements for lab reports clearly specified	9	1	0	0	0	1	1	4.50	****/ 205	****	4.39	4.23	4.26	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	0	A	2	Required for Majors	0	Graduate	0	Major	10
28-55	0	1.00-1.99	0	B	7						
56-83	0	2.00-2.99	3	C	2	General	1	Under-grad	12	Non-major	2
84-150	8	3.00-3.49	4	D	0						
Grad.	0	3.50-4.00	1	F	0	Electives	1	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	10				
				?	1						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	0	3	10	4.77	305/1522	4.77	4.45	4.30	4.34	4.77
2. Did the instructor make clear the expected goals	0	0	0	0	0	8	5	4.38	726/1522	4.38	4.26	4.26	4.25	4.38
3. Did the exam questions reflect the expected goals	0	0	0	0	0	5	8	4.62	415/1285	4.62	4.31	4.30	4.30	4.62
4. Did other evaluations reflect the expected goals	0	0	0	1	1	5	6	4.23	815/1476	4.23	4.22	4.22	4.26	4.23
5. Did assigned readings contribute to what you learned	0	2	0	1	5	4	1	3.45	1195/1412	3.45	3.70	4.06	4.03	3.45
6. Did written assignments contribute to what you learned	0	0	1	0	2	5	5	4.00	806/1381	4.00	4.09	4.08	4.13	4.00
7. Was the grading system clearly explained	0	0	0	0	1	5	7	4.46	541/1500	4.46	4.25	4.18	4.13	4.46
8. How many times was class cancelled	0	0	0	0	0	8	5	4.38	1177/1517	4.38	4.61	4.65	4.62	4.38
9. How would you grade the overall teaching effectiveness	1	0	0	0	1	6	5	4.33	573/1497	4.33	4.18	4.11	4.13	4.33
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	5	8	4.62	669/1440	4.62	4.67	4.45	4.46	4.62
2. Did the instructor seem interested in the subject	0	0	0	0	0	2	11	4.85	656/1448	4.85	4.87	4.71	4.71	4.85
3. Was lecture material presented and explained clearly	0	0	0	0	0	6	7	4.54	564/1436	4.54	4.44	4.29	4.30	4.54
4. Did the lectures contribute to what you learned	0	0	0	0	0	4	9	4.69	418/1432	4.69	4.49	4.29	4.29	4.69
5. Did audiovisual techniques enhance your understanding	0	0	0	0	0	6	7	4.54	259/1221	4.54	4.27	3.93	3.94	4.54
Discussion														
1. Did class discussions contribute to what you learned	6	0	1	0	0	3	3	4.00	718/1280	4.00	3.95	4.10	4.14	4.00
2. Were all students actively encouraged to participate	6	0	0	0	0	3	4	4.57	547/1277	4.57	4.39	4.34	4.38	4.57
3. Did the instructor encourage fair and open discussion	6	0	0	0	0	3	4	4.57	532/1269	4.57	4.41	4.31	4.39	4.57
4. Were special techniques successful	6	3	0	1	1	2	0	3.25	741/ 854	3.25	3.93	4.02	4.00	3.25
Laboratory														
1. Did the lab increase understanding of the material	11	0	0	0	0	0	2	5.00	****/ 215	****	4.81	4.36	4.21	****
2. Were you provided with adequate background information	11	0	0	0	0	1	1	4.50	****/ 228	****	4.60	4.35	4.29	****
3. Were necessary materials available for lab activities	11	0	0	0	0	0	2	5.00	****/ 217	****	4.72	4.51	4.45	****
4. Did the lab instructor provide assistance	11	0	0	0	0	0	2	5.00	****/ 216	****	4.79	4.42	4.35	****
5. Were requirements for lab reports clearly specified	11	0	0	0	0	0	2	5.00	****/ 205	****	4.39	4.23	4.26	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	7	Required for Majors	0	Graduate	0	Major	7
28-55	0	1.00-1.99	0	B	5						
56-83	0	2.00-2.99	1	C	0	General	3	Under-grad	13	Non-major	6
84-150	7	3.00-3.49	5	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	1	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	8				
				?	1						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	1	3	6	10	4.25	899/1522	4.25	4.45	4.30	4.42	4.25
2. Did the instructor make clear the expected goals	0	0	0	0	5	5	10	4.25	874/1522	4.25	4.26	4.26	4.34	4.25
3. Did the exam questions reflect the expected goals	0	0	0	0	1	9	10	4.45	602/1285	4.45	4.31	4.30	4.42	4.45
4. Did other evaluations reflect the expected goals	0	0	0	1	2	8	9	4.25	792/1476	4.25	4.22	4.22	4.31	4.25
5. Did assigned readings contribute to what you learned	0	1	4	1	3	6	5	3.37	1243/1412	3.37	3.70	4.06	4.11	3.37
6. Did written assignments contribute to what you learned	0	0	0	4	2	6	8	3.90	938/1381	3.90	4.09	4.08	4.21	3.90
7. Was the grading system clearly explained	0	0	0	0	5	5	10	4.25	780/1500	4.25	4.25	4.18	4.25	4.25
8. How many times was class cancelled	0	0	0	0	0	3	17	4.85	600/1517	4.85	4.61	4.65	4.71	4.85
9. How would you grade the overall teaching effectiveness	3	0	0	0	3	13	1	3.88	1049/1497	3.88	4.18	4.11	4.21	3.88
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	0	4	15	4.79	392/1440	4.79	4.67	4.45	4.52	4.79
2. Did the instructor seem interested in the subject	0	0	0	0	0	3	17	4.85	629/1448	4.85	4.87	4.71	4.75	4.85
3. Was lecture material presented and explained clearly	0	0	0	0	3	5	12	4.45	672/1436	4.45	4.44	4.29	4.32	4.45
4. Did the lectures contribute to what you learned	0	0	0	1	1	3	15	4.60	527/1432	4.60	4.49	4.29	4.34	4.60
5. Did audiovisual techniques enhance your understanding	1	2	1	0	0	6	10	4.41	351/1221	4.41	4.27	3.93	4.04	4.41
Discussion														
1. Did class discussions contribute to what you learned	15	0	0	0	4	1	0	3.20	1150/1280	3.20	3.95	4.10	4.28	3.20
2. Were all students actively encouraged to participate	14	0	0	0	1	1	4	4.50	594/1277	4.50	4.39	4.34	4.50	4.50
3. Did the instructor encourage fair and open discussion	14	0	0	0	1	1	4	4.50	586/1269	4.50	4.41	4.31	4.49	4.50
4. Were special techniques successful	14	5	0	0	0	0	1	5.00	****/ 854	****	3.93	4.02	4.31	****
Laboratory														
1. Did the lab increase understanding of the material	19	0	0	0	0	1	0	4.00	****/ 215	****	4.81	4.36	4.47	****
2. Were you provided with adequate background information	19	0	0	0	0	1	0	4.00	****/ 228	****	4.60	4.35	4.32	****
3. Were necessary materials available for lab activities	19	0	0	0	1	0	0	3.00	****/ 217	****	4.72	4.51	4.55	****
4. Did the lab instructor provide assistance	19	0	0	0	0	1	0	4.00	****/ 216	****	4.79	4.42	4.20	****
Seminar														
1. Were assigned topics relevant to the announced theme	19	0	0	0	0	1	0	4.00	****/ 79	****	5.00	4.58	4.67	****
3. Did research projects contribute to what you learned	19	0	0	0	1	0	0	3.00	****/ 65	****	4.80	4.49	4.65	****
4. Did presentations contribute to what you learned	19	0	0	0	0	1	0	4.00	****/ 78	****	5.00	4.45	4.58	****
Field Work														
1. Did field experience contribute to what you learned	19	0	0	0	0	0	1	5.00	****/ 47	****	4.76	4.41	4.51	****
3. Was the instructor available for consultation	19	0	0	0	1	0	0	3.00	****/ 39	****	4.32	4.40	4.03	****
4. To what degree could you discuss your evaluations	19	0	0	0	0	1	0	4.00	****/ 35	****	4.05	4.31	4.13	****
Self Paced														
1. Did self-paced system contribute to what you learned	19	0	0	0	0	0	1	5.00	****/ 37	****	4.00	4.63	4.33	****
3. Were your contacts with the instructor helpful	19	0	0	0	1	0	0	3.00	****/ 33	****	4.75	4.69	4.92	****
4. Was the feedback/tutoring by proctors helpful	19	0	0	0	0	1	0	4.00	****/ 22	****	****	4.54	4.25	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	8	Required for Majors	0	Graduate	0	Major	4
28-55	0	1.00-1.99	0	B	11						
56-83	1	2.00-2.99	3	C	0	General	5	Under-grad	20	Non-major	16
84-150	15	3.00-3.49	9	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	1	#### - Means there are not enough			

P	0		responses to be significant
I	0	Other	12
?	0		

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	1	0	0	0	0	3	9	4.75	320/1522	4.75	4.45	4.30	4.42	4.75
2. Did the instructor make clear the expected goals	1	0	0	0	3	4	5	4.17	965/1522	4.17	4.26	4.26	4.34	4.17
3. Did the exam questions reflect the expected goals	1	0	0	0	2	5	5	4.25	766/1285	4.25	4.31	4.30	4.42	4.25
4. Did other evaluations reflect the expected goals	1	0	0	0	3	3	6	4.25	792/1476	4.25	4.22	4.22	4.31	4.25
5. Did assigned readings contribute to what you learned	1	0	0	2	4	3	3	3.58	1122/1412	3.58	3.70	4.06	4.11	3.58
6. Did written assignments contribute to what you learned	1	1	0	1	1	1	8	4.45	382/1381	4.45	4.09	4.08	4.21	4.45
7. Was the grading system clearly explained	2	0	0	1	3	1	6	4.09	940/1500	4.09	4.25	4.18	4.25	4.09
8. How many times was class cancelled	2	0	0	0	1	5	5	4.36	1193/1517	4.36	4.61	4.65	4.71	4.36
9. How would you grade the overall teaching effectiveness	1	1	0	1	0	8	2	4.00	898/1497	4.00	4.18	4.11	4.21	4.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	4	9	4.69	565/1440	4.69	4.67	4.45	4.52	4.69
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	13	5.00	1/1448	5.00	4.87	4.71	4.75	5.00
3. Was lecture material presented and explained clearly	1	0	0	0	1	7	4	4.25	876/1436	4.25	4.44	4.29	4.32	4.25
4. Did the lectures contribute to what you learned	1	0	0	0	1	3	8	4.58	548/1432	4.58	4.49	4.29	4.34	4.58
5. Did audiovisual techniques enhance your understanding	1	0	0	1	1	2	8	4.42	351/1221	4.42	4.27	3.93	4.04	4.42
Discussion														
1. Did class discussions contribute to what you learned	5	0	0	1	4	2	1	3.38	1091/1280	3.38	3.95	4.10	4.28	3.38
2. Were all students actively encouraged to participate	5	0	0	0	1	2	5	4.50	594/1277	4.50	4.39	4.34	4.50	4.50
3. Did the instructor encourage fair and open discussion	5	0	1	0	1	0	6	4.25	777/1269	4.25	4.41	4.31	4.49	4.25
4. Were special techniques successful	5	2	0	0	2	2	2	4.00	426/ 854	4.00	3.93	4.02	4.31	4.00
Laboratory														
1. Did the lab increase understanding of the material	4	0	0	0	0	4	5	4.56	81/ 215	4.56	4.81	4.36	4.47	4.56
2. Were you provided with adequate background information	4	0	0	0	0	4	5	4.56	76/ 228	4.56	4.60	4.35	4.32	4.56
3. Were necessary materials available for lab activities	4	0	0	0	0	2	7	4.78	65/ 217	4.78	4.72	4.51	4.55	4.78
4. Did the lab instructor provide assistance	5	0	0	0	1	3	4	4.38	142/ 216	4.38	4.79	4.42	4.20	4.38
5. Were requirements for lab reports clearly specified	4	0	0	1	2	4	2	3.78	171/ 205	3.78	4.39	4.23	3.85	3.78
Seminar														
2. Was the instructor available for individual attention	12	0	0	0	0	1	0	4.00	****/ 77	****	5.00	4.52	4.60	****
3. Did research projects contribute to what you learned	12	0	0	0	1	0	0	3.00	****/ 65	****	4.80	4.49	4.65	****
4. Did presentations contribute to what you learned	12	0	0	0	1	0	0	3.00	****/ 78	****	5.00	4.45	4.58	****
5. Were criteria for grading made clear	12	0	0	0	1	0	0	3.00	****/ 80	****	4.80	4.11	4.14	****
Field Work														
1. Did field experience contribute to what you learned	6	0	0	0	0	1	6	4.86	22/ 47	4.86	4.76	4.41	4.51	4.86
2. Did you clearly understand your evaluation criteria	6	0	0	1	0	2	4	4.29	28/ 45	4.29	3.95	4.30	4.22	4.29
3. Was the instructor available for consultation	6	1	0	1	1	1	3	4.00	28/ 39	4.00	4.32	4.40	4.03	4.00
4. To what degree could you discuss your evaluations	6	0	0	1	1	4	1	3.71	29/ 35	3.71	4.05	4.31	4.13	3.71
5. Did conferences help you carry out field activities	7	4	0	0	0	0	2	5.00	****/ 34	****	3.50	4.30	4.11	****
Self Paced														
1. Did self-paced system contribute to what you learned	11	0	0	0	1	0	1	4.00	****/ 37	****	4.00	4.63	4.33	****
2. Did study questions make clear the expected goal	11	0	0	0	1	0	1	4.00	****/ 23	****	****	4.41	4.00	****
3. Were your contacts with the instructor helpful	11	0	0	0	1	0	1	4.00	****/ 33	****	4.75	4.69	4.92	****
5. Were there enough proctors for all the students	11	1	0	0	0	0	1	5.00	****/ 18	****	****	4.49	4.25	****

Student Course Evaluation Questionnaire

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	7	Required for Majors	1	Graduate	0	Major	2
28-55	0	1.00-1.99	0	B	3						
56-83	1	2.00-2.99	4	C	1	General	0	Under-grad	13	Non-major	11
84-150	6	3.00-3.49	3	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	2	#### - Means there are not enough responses to be significant			
				P	0						
				I	0	Other	8				
				?	1						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	0	4	10	4.71	380/1522	4.71	4.45	4.30	4.42	4.71
2. Did the instructor make clear the expected goals	0	0	0	0	1	3	10	4.64	383/1522	4.64	4.26	4.26	4.34	4.64
4. Did other evaluations reflect the expected goals	0	3	0	0	1	4	6	4.45	551/1476	4.45	4.22	4.22	4.31	4.45
5. Did assigned readings contribute to what you learned	0	0	0	0	0	3	11	4.79	149/1412	4.79	3.70	4.06	4.11	4.79
6. Did written assignments contribute to what you learned	0	0	0	0	0	7	7	4.50	331/1381	4.50	4.09	4.08	4.21	4.50
7. Was the grading system clearly explained	0	0	0	0	1	4	9	4.57	415/1500	4.57	4.25	4.18	4.25	4.57
8. How many times was class cancelled	0	0	0	0	0	0	14	5.00	1/1517	5.00	4.61	4.65	4.71	5.00
9. How would you grade the overall teaching effectiveness	3	0	0	0	0	8	3	4.27	633/1497	4.27	4.18	4.11	4.21	4.27
Lecture														
1. Were the instructor's lectures well prepared	0	0	1	0	0	3	10	4.50	798/1440	4.50	4.67	4.45	4.52	4.50
2. Did the instructor seem interested in the subject	0	0	0	0	0	1	13	4.93	395/1448	4.93	4.87	4.71	4.75	4.93
3. Was lecture material presented and explained clearly	1	0	0	0	1	1	11	4.77	279/1436	4.77	4.44	4.29	4.32	4.77
4. Did the lectures contribute to what you learned	1	0	0	0	1	3	9	4.62	514/1432	4.62	4.49	4.29	4.34	4.62
5. Did audiovisual techniques enhance your understanding	2	3	0	0	1	2	6	4.56	246/1221	4.56	4.27	3.93	4.04	4.56
Discussion														
1. Did class discussions contribute to what you learned	5	0	0	0	0	0	9	5.00	1/1280	5.00	3.95	4.10	4.28	5.00
2. Were all students actively encouraged to participate	5	0	0	0	0	0	9	5.00	1/1277	5.00	4.39	4.34	4.50	5.00
3. Did the instructor encourage fair and open discussion	5	0	0	0	0	0	9	5.00	1/1269	5.00	4.41	4.31	4.49	5.00
4. Were special techniques successful	5	0	0	0	1	1	7	4.67	141/ 854	4.67	3.93	4.02	4.31	4.67
Seminar														
1. Were assigned topics relevant to the announced theme	9	0	0	0	0	0	5	5.00	1/ 79	5.00	5.00	4.58	4.67	5.00
2. Was the instructor available for individual attention	9	0	0	0	0	0	5	5.00	1/ 77	5.00	5.00	4.52	4.60	5.00
3. Did research projects contribute to what you learned	9	0	0	0	0	1	4	4.80	30/ 65	4.80	4.80	4.49	4.65	4.80
4. Did presentations contribute to what you learned	9	0	0	0	0	0	5	5.00	1/ 78	5.00	5.00	4.45	4.58	5.00
5. Were criteria for grading made clear	9	0	0	0	0	1	4	4.80	23/ 80	4.80	4.80	4.11	4.14	4.80

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	8	Required for Majors	0	Graduate	0	Major	0
28-55	0	1.00-1.99	0	B	2						
56-83	0	2.00-2.99	2	C	0	General	4	Under-grad	14	Non-major	14
84-150	5	3.00-3.49	2	D	0						
Grad.	0	3.50-4.00	4	F	0	Electives	0	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	7				
				?	1						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	1	3	8	4.58	514/1522	4.58	4.45	4.30	4.42	4.58
2. Did the instructor make clear the expected goals	0	0	0	1	3	6	2	3.75	1267/1522	3.75	4.26	4.26	4.34	3.75
3. Did the exam questions reflect the expected goals	1	0	1	1	2	3	4	3.73	1101/1285	3.73	4.31	4.30	4.42	3.73
4. Did other evaluations reflect the expected goals	0	1	0	1	2	2	6	4.18	871/1476	4.18	4.22	4.22	4.31	4.18
5. Did assigned readings contribute to what you learned	1	0	0	1	4	4	2	3.64	1094/1412	3.64	3.70	4.06	4.11	3.64
6. Did written assignments contribute to what you learned	2	6	1	0	0	0	3	4.00	806/1381	4.00	4.09	4.08	4.21	4.00
7. Was the grading system clearly explained	1	0	1	1	1	3	5	3.91	1088/1500	3.91	4.25	4.18	4.25	3.91
8. How many times was class cancelled	1	0	0	0	0	5	6	4.55	1045/1517	4.55	4.61	4.65	4.71	4.55
9. How would you grade the overall teaching effectiveness	0	0	0	0	1	7	4	4.25	654/1497	4.25	4.18	4.11	4.21	4.25
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	1	0	1	9	4.64	643/1440	4.64	4.67	4.45	4.52	4.64
2. Did the instructor seem interested in the subject	1	0	0	0	0	1	10	4.91	494/1448	4.91	4.87	4.71	4.75	4.91
3. Was lecture material presented and explained clearly	1	0	0	1	0	4	6	4.36	762/1436	4.36	4.44	4.29	4.32	4.36
4. Did the lectures contribute to what you learned	1	0	0	0	1	1	9	4.73	383/1432	4.73	4.49	4.29	4.34	4.73
5. Did audiovisual techniques enhance your understanding	1	6	0	0	3	1	1	3.60	860/1221	3.60	4.27	3.93	4.04	3.60
Discussion														
1. Did class discussions contribute to what you learned	3	0	1	1	0	4	3	3.78	894/1280	3.78	3.95	4.10	4.28	3.78
2. Were all students actively encouraged to participate	3	0	1	0	0	5	3	4.00	930/1277	4.00	4.39	4.34	4.50	4.00
3. Did the instructor encourage fair and open discussion	3	0	1	0	0	2	6	4.33	721/1269	4.33	4.41	4.31	4.49	4.33
4. Were special techniques successful	3	7	0	0	1	0	1	4.00	****/ 854	****	3.93	4.02	4.31	****
Field Work														
1. Did field experience contribute to what you learned	11	0	0	0	0	0	1	5.00	****/ 47	****	4.76	4.41	4.51	****
2. Did you clearly understand your evaluation criteria	11	0	0	0	0	0	1	5.00	****/ 45	****	3.95	4.30	4.22	****
3. Was the instructor available for consultation	11	0	0	0	0	0	1	5.00	****/ 39	****	4.32	4.40	4.03	****
5. Did conferences help you carry out field activities	11	0	0	0	0	1	0	4.00	****/ 34	****	3.50	4.30	4.11	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	0	0.00-0.99	0	A	1	Required for Majors	0	Graduate	0	Major	4
28-55	0	1.00-1.99	0	B	9						
56-83	2	2.00-2.99	3	C	1	General	4	Under-grad	12	Non-major	8
84-150	5	3.00-3.49	2	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	0	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	7				
				?	1						

Student Course Evaluation Questionnaire

Questions	NR	NA	Frequencies 1	2	3	4	5	Instructor Mean	Instructor Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	1	4	8	4.54	571/1522	4.54	4.45	4.30	4.42	4.54
2. Did the instructor make clear the expected goals	0	0	0	0	2	5	6	4.31	824/1522	4.31	4.26	4.26	4.34	4.31
3. Did the exam questions reflect the expected goals	1	10	0	0	0	0	2	5.00	****/1285	****	4.31	4.30	4.42	****
4. Did other evaluations reflect the expected goals	0	0	0	0	2	2	9	4.54	444/1476	4.54	4.22	4.22	4.31	4.54
5. Did assigned readings contribute to what you learned	0	10	0	0	1	0	2	4.33	****/1412	****	3.70	4.06	4.11	****
6. Did written assignments contribute to what you learned	0	9	0	0	0	0	4	5.00	1/1381	5.00	4.09	4.08	4.21	5.00
7. Was the grading system clearly explained	0	1	1	1	2	4	4	3.75	1183/1500	3.75	4.25	4.18	4.25	3.75
8. How many times was class cancelled	1	0	0	0	0	0	12	5.00	1/1517	5.00	4.61	4.65	4.71	5.00
9. How would you grade the overall teaching effectiveness	6	0	0	0	0	1	6	4.86	125/1497	4.86	4.18	4.11	4.21	4.86
Lecture														
1. Were the instructor's lectures well prepared	7	0	0	0	0	2	4	4.67	604/1440	4.67	4.67	4.45	4.52	4.67
2. Did the instructor seem interested in the subject	5	0	0	0	0	1	7	4.88	575/1448	4.88	4.87	4.71	4.75	4.88
3. Was lecture material presented and explained clearly	6	0	0	0	1	2	4	4.43	696/1436	4.43	4.44	4.29	4.32	4.43
4. Did the lectures contribute to what you learned	6	0	1	0	1	1	4	4.00	1036/1432	4.00	4.49	4.29	4.34	4.00
5. Did audiovisual techniques enhance your understanding	4	1	0	0	1	2	5	4.50	279/1221	4.50	4.27	3.93	4.04	4.50
Discussion														
1. Did class discussions contribute to what you learned	8	0	0	1	1	0	3	4.00	718/1280	4.00	3.95	4.10	4.28	4.00
2. Were all students actively encouraged to participate	8	0	0	0	0	1	4	4.80	317/1277	4.80	4.39	4.34	4.50	4.80
3. Did the instructor encourage fair and open discussion	8	0	0	0	0	2	3	4.60	509/1269	4.60	4.41	4.31	4.49	4.60
4. Were special techniques successful	9	0	0	1	0	1	2	4.00	426/ 854	4.00	3.93	4.02	4.31	4.00
Laboratory														
1. Did the lab increase understanding of the material	11	0	0	0	1	1	0	3.50	****/ 215	****	4.81	4.36	4.47	****
2. Were you provided with adequate background information	11	0	0	1	0	1	0	3.00	****/ 228	****	4.60	4.35	4.32	****
3. Were necessary materials available for lab activities	12	0	0	0	0	1	0	4.00	****/ 217	****	4.72	4.51	4.55	****
4. Did the lab instructor provide assistance	12	0	0	0	0	0	1	5.00	****/ 216	****	4.79	4.42	4.20	****
5. Were requirements for lab reports clearly specified	12	0	0	0	0	1	0	4.00	****/ 205	****	4.39	4.23	3.85	****
Self Paced														
1. Did self-paced system contribute to what you learned	9	0	0	1	0	1	2	4.00	31/ 37	4.00	4.00	4.63	4.33	4.00
2. Did study questions make clear the expected goal	10	1	0	0	2	0	0	3.00	****/ 23	****	****	4.41	4.00	****
3. Were your contacts with the instructor helpful	9	0	0	0	0	1	3	4.75	24/ 33	4.75	4.75	4.69	4.92	4.75
4. Was the feedback/tutoring by proctors helpful	9	1	0	0	0	1	2	4.67	****/ 22	****	****	4.54	4.25	****
5. Were there enough proctors for all the students	9	1	0	0	1	0	2	4.33	****/ 18	****	****	4.49	4.25	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	1	0.00-0.99	0	A	11	Required for Majors	0	Graduate	0	Major	11
28-55	0	1.00-1.99	0	B	0						
56-83	1	2.00-2.99	3	C	1	General	0	Under-grad	13	Non-major	2
84-150	5	3.00-3.49	3	D	0						
Grad.	0	3.50-4.00	1	F	0	Electives	0	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	12				
				?	0						