Student Course Evaluation Questionnaire

			Fre	equer	ncies	5		Inst	ructor	Course	Dept	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	1	4	23	4.79	256/1481	4.53	4.56	4.29	4.14	4.79
2. Did the instructor make clear the expected goals	0	0	0	0	0	5	23	4.82	169/1481	4.63	4.57	4.23	4.18	4.82
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	27	4.96	57/1249	4.77	4.70	4.27	4.14	4.96
4. Did other evaluations reflect the expected goals	0	0	0	0	2	7	19	4.61	334/1424	4.55	4.55	4.21	4.06	4.61
5. Did assigned readings contribute to what you learned	0	б	7	1	3	б	5	3.05	1284/1396	4.10	4.25	3.98	3.89	3.05
6. Did written assignments contribute to what you learned	0	1	0	1	3	9	14	4.33	474/1342	4.43	4.41	4.07	3.88	4.33
7. Was the grading system clearly explained	0	0	0	0	2	3	23	4.75	196/1459	4.56	4.50	4.16	4.17	4.75
8. How many times was class cancelled	0	0	0	0	0	0	28	5.00	1/1480	4.65	4.48	4.68	4.64	5.00
9. How would you grade the overall teaching effectiveness	5	0	0	0	0	б	17	4.74	174/1450	4.50	4.46	4.09	3.97	4.74
Lecture	~	0	0	0	1	~	0.5	4 0 6	0.61 /1.400	4 50	4 65	4 40	4.26	1 0 0
1. Were the instructor's lectures well prepared	0	0	0	0	Ţ	2	25	4.86	261/1409	4.78	4.65	4.42	4.36	4.86
2. Did the instructor seem interested in the subject	0	0	0 0	0 0	0	1		4.96	200/1407	4.92	4.89	4.69	4.57	4.96
3. Was lecture material presented and explained clearly	0	0	0	-	0	3	25 27	4.89	137/1399	4.74	4.54	4.26	4.23	4.89
4. Did the lectures contribute to what you learned	0	0 18	0	0	0 3	T	27 4	4.96 3.90	59/1400	4.86	4.68	4.27	4.19	4.96
5. Did audiovisual techniques enhance your understanding	0	18	0	T	3	2	4	3.90	692/1179	4.23	3.95	3.96	3.85	3.90
Discussion														
1. Did class discussions contribute to what you learned	11	0	0	0	0	3	14	4.82	158/1262	4.52	4.31	4.05	3.77	4.82
2. Were all students actively encouraged to participate	11	0	0	0	1	1	15	4.82	285/1259	4.68	4.43	4.29	4.06	4.82
3. Did the instructor encourage fair and open discussion	11	0	0	0	0	1	16	4.94	130/1256	4.84	4.54	4.30	4.08	4.94
4. Were special techniques successful	11	12	0	0	0	3	2	4.40	****/ 788	* * * *	4.16	4.00	3.80	* * * *
Laboratory														
2. Were you provided with adequate background information	27	0	0	0	0	0	1	5.00	****/ 249	* * * *	* * * *	4.11	3.95	* * * *
Field Work	27	0	1	0	0	0	0	1 00	++++/ = ^	* * * *	* * * * *	1 20	4 00	* * * *
1. Did field experience contribute to what you learned	27	0	T	0	0	U	U	1.00	****/ 59	~ ~ ~ *	* * * *	4.30	4.00	* * * * *

Credits	Earned	Cum. GPA		Expected	l Grades	Reasons		Туре		Majors	
00-27	3	0.00-0.99	0	 А	23	Required for Majors	10	Graduate	0	Major	0
28-55	5	1.00-1.99	1	В	4						
56-83	3	2.00-2.99	3	С	0	General	12	Under-grad	28	Non-major	28
84-150	8	3.00-3.49	8	D	0						
Grad.	0	3.50-4.00	7	F	0	Electives	2	#### - Means	there	are not enough	ı
				P	0			responses to	be si	gnificant	
				I	0	Other	3				
				?	0						

Student Course Evaluation Questionnaire

			Fre	equer	ncies	3		Inst	ructor	Course	Dept	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	1	1	4	24	4.70	362/1481	4.53	4.56	4.29	4.14	4.70
2. Did the instructor make clear the expected goals	0	0	0	0	0	1	29	4.97	46/1481	4.63	4.57	4.23	4.18	4.97
3. Did the exam questions reflect the expected goals	0	0	0	0	0	0	30	5.00	1/1249	4.77	4.70	4.27	4.14	5.00
4. Did other evaluations reflect the expected goals	0	2	0	0	1	4	23	4.79	193/1424	4.55	4.55	4.21	4.06	4.79
5. Did assigned readings contribute to what you learned	1	3	3	4	3	7	9	3.58	1042/1396	4.10	4.25	3.98	3.89	3.58
6. Did written assignments contribute to what you learned	1	3	0	0	2	5	19	4.65	198/1342	4.43	4.41	4.07	3.88	4.65
7. Was the grading system clearly explained	1	0	0	0	4	8	17	4.45	550/1459	4.56	4.50	4.16	4.17	4.45
8. How many times was class cancelled	0	0	0	0	0	0	30	5.00	1/1480	4.65	4.48	4.68	4.64	5.00
9. How would you grade the overall teaching effectiveness	5	0	0	0	0	1	24	4.96	40/1450	4.50	4.46	4.09	3.97	4.96
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	1	29	4.97	75/1409	4.78	4.65	4.42	4.36	4.97
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	30	5.00	1/1407	4.92	4.89	4.69	4.57	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	0	30	5.00	1/1399	4.74	4.54	4.26	4.23	5.00
4. Did the lectures contribute to what you learned	0	0	0	0	0	0	30	5.00	1/1400	4.86	4.68	4.27	4.19	5.00
5. Did audiovisual techniques enhance your understanding	2	18	0	1	1	1	7	4.40	340/1179	4.23	3.95	3.96	3.85	4.40
Discussion														
1. Did class discussions contribute to what you learned	10	0	0	0	2	З	15	4.65	269/1262	4.52	4.31	4.05	3.77	4.65
2. Were all students actively encouraged to participate	10	0	0	0	0	1	19	4.95	127/1259	4.68	4.43	4.29	4.06	4.95
3. Did the instructor encourage fair and open discussion	11	0	0	0	1	0	18	4.89	224/1256	4.84	4.54	4.30	4.08	4.89
4. Were special techniques successful	11	12	0	0	2	1	4	4.29	****/ 788	****	4.16	4.00	3.80	****

Credits E	arned	Cum. GPA	7	Expecte	d Grades	Reasons		Туре		Majors	
00-27	4	0.00-0.99	0	А А	25	Required for Majors	20	Graduate	0	Major	0
28-55	1	1.00-1.99	0	В	3						
56-83	7	2.00-2.99	4	С	0	General	6	Under-grad	30	Non-major	30
84-150	11	3.00-3.49	14	D	0						
Grad.	0	3.50-4.00	6	F	0	Electives	2	#### - Means	there	are not enough	ı
				P	0			responses to	be sig	gnificant	
				I	0	Other	1	_			
				?	2						

Student Course Evaluation Questionnaire

			Fre	equer	ncie	s		Inst	ructor	Course	-		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	8	15	4.52	531/1481	4.53	4.56	4.29	4.14	4.52
2. Did the instructor make clear the expected goals	0	0	0	0	3	11	11	4.32	747/1481	4.63	4.57	4.23	4.18	4.32
3. Did the exam questions reflect the expected goals	0	17	0	0	1	3	4	4.38	647/1249	4.77	4.70	4.27	4.14	4.38
4. Did other evaluations reflect the expected goals	0	1	0	0	2	3	19	4.71	256/1424	4.55	4.55	4.21	4.06	4.71
5. Did assigned readings contribute to what you learned	0	0	0	0	2	7	16	4.56	263/1396	4.10	4.25	3.98	3.89	4.56
6. Did written assignments contribute to what you learned	0	0	0	0	5	8	12	4.28	519/1342	4.43	4.41	4.07	3.88	4.28
7. Was the grading system clearly explained	0	0	0	0	1	7	17	4.64	298/1459	4.56	4.50	4.16	4.17	4.64
8. How many times was class cancelled	0	0	0	0	0	17	8	4.32	1165/1480	4.65	4.48	4.68	4.64	4.32
9. How would you grade the overall teaching effectiveness	2	2	0	0	1	14	б	4.24	651/1450	4.50	4.46	4.09	3.97	4.24
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	1	5	17	4.70	514/1409	4.78	4.65	4.42	4.36	4.70
2. Did the instructor seem interested in the subject	2	0	0	0	0	1	22	4.96	250/1407	4.92	4.89	4.69	4.57	4.96
3. Was lecture material presented and explained clearly	2	0	0	0	0	7	16	4.70	335/1399	4.74	4.54	4.26	4.23	4.70
4. Did the lectures contribute to what you learned	2	0	0	0	0	3	20	4.87	187/1400	4.86	4.68	4.27	4.19	4.87
5. Did audiovisual techniques enhance your understanding	2	4	0	0	4	5	10	4.32	397/1179	4.23	3.95	3.96	3.85	4.32
Discussion														
1. Did class discussions contribute to what you learned	10	0	0	0	0	2	13	4.87	142/1262	4.52	4.31	4.05	3.77	4.87
2. Were all students actively encouraged to participate	10	0	0	0	1	4	10	4.60	509/1259	4.68	4.43	4.29	4.06	4.60
3. Did the instructor encourage fair and open discussion	10	0	0	0	0	1	14	4.93	151/1256	4.84	4.54	4.30	4.08	4.93
4. Were special techniques successful	10	11	1	0	1	1	1	3.25	****/ 788	* * * *	4.16	4.00	3.80	* * * *
Seminar														
1. Were assigned topics relevant to the announced theme	24	0	0	0	0	0	1	5 00	****/ 68	* * * *	5.00	4.49	4.54	* * * *
2. Was the instructor available for individual attention	24	0	0	0	0	0	1		****/ 69	* * * *	5.00	4.53	4.18	* * * *
3. Did research projects contribute to what you learned	24	0	0	0	0	0	1		****/ 63	* * * *	****	4.44	4.17	* * * *
4. Did presentations contribute to what you learned	24	0	0	0	0	0	1		****/ 69	* * * *	* * * *	4.35	4.14	* * * *
5. Were criteria for grading made clear	24	0	0	0	0	õ	1		****/ 68	* * * *	* * * *	3.92	3.80	* * * *
S. Hore offering for grading made eredr	- 1	0	5	5	0	0	-	2.00	, 00			5.92	2.00	

Credits	Earned	Cum. GPA		Expected	Grades	Reasons		Туре		Majors	
00-27	4	0.00-0.99	0	A	8	Required for Majors	16	Graduate	0	Major	0
28-55	4	1.00-1.99	1	в 1	.2						
56-83	5	2.00-2.99	5	С	3	General	7	Under-grad	25	Non-major	25
84-150	0	3.00-3.49	4	D	0						
Grad.	0	3.50-4.00	б	F	0	Electives	0	#### - Means	there	are not enough	ı
				P	0			responses to	be sid	gnificant	
				I	0	Other	2	-			
				?	0						

Student Course Evaluation Questionnaire

			Fre	equer	ncie	s		Inst	ructor	Course	Dept	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank		Mean	Mean		Mean
General														
1. Did you gain new insights,skills from this course	1	0	0	3	2	6	12	4.17	938/1481	4.53	4.56	4.29	4.14	4.17
2. Did the instructor make clear the expected goals	0	0	0	0	2	б	16	4.58	422/1481	4.63	4.57	4.23	4.18	4.58
3. Did the exam questions reflect the expected goals	0	0	0	0	0	7	17	4.71	287/1249	4.77	4.70	4.27	4.14	4.71
4. Did other evaluations reflect the expected goals	0	17	0	0	2	3	2	4.00	959/1424	4.55	4.55	4.21	4.06	4.00
5. Did assigned readings contribute to what you learned	0	0	0	0	4	9	11	4.29	467/1396	4.10	4.25	3.98	3.89	4.29
6. Did written assignments contribute to what you learned	0	17	0	0	1	4	2	4.14	649/1342	4.43	4.41	4.07	3.88	4.14
7. Was the grading system clearly explained	0	0	0	0	5	11	8	4.13	890/1459	4.56	4.50	4.16	4.17	4.13
8. How many times was class cancelled	0	0	0	0	1	11	12	4.46	1079/1480	4.65	4.48	4.68	4.64	4.46
9. How would you grade the overall teaching effectiveness	5	0	0	0	2	12	5	4.16	732/1450	4.50	4.46	4.09	3.97	4.16
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	1	5	18	4.71	500/1409	4.78	4.65	4.42	4.36	4.71
2. Did the instructor seem interested in the subject	0	0	0	0	1	2	21	4.83	659/1407	4.92	4.89	4.69	4.57	4.83
3. Was lecture material presented and explained clearly	1	0	0	0	1	7	15	4.61	459/1399	4.74	4.54	4.26	4.23	4.61
4. Did the lectures contribute to what you learned	0	0	0	0	1	4	19	4.75	312/1400	4.86	4.68	4.27	4.19	4.75
5. Did audiovisual techniques enhance your understanding	0	19	0	1	1	2	1	3.60	****/1179	4.23	3.95	3.96	3.85	* * * *
Discussion														
1. Did class discussions contribute to what you learned	12	0	2	1	2	1	5	3.50	995/1262	4.52	4.31	4.05	3.77	3.50
2. Were all students actively encouraged to participate	12	0	0	0	2	2	7	4.33	729/1259		4.43	4.29	4.06	4.33
	$12 \\ 12$	0	0	1	1	1	9	4.50	571/1256		4.43	4.29	4.08	4.50
3. Did the instructor encourage fair and open discussion	⊥⊿	U	U	Ŧ	Ŧ	T	9	4.50	J/T/T720	4.84	4.54	4.30	4.08	4.50

Credits E	larned	Cum. GPA		Expecte	d Grades	Reasons		Туре		Majors	
00-27	3	0.00-0.99	0	A	 б	Required for Majors	13	Graduate	0	Major	0
28-55	9	1.00-1.99	0	В	14						
56-83	3	2.00-2.99	8	C	3	General	6	Under-grad	24	Non-major	24
84-150	0	3.00-3.49	4	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	0	#### - Means	there	are not enough	n
				P	0			responses to	be si	gnificant	
				I	0	Other	3				
				?	0						

Student Course Evaluation Questionnaire

			Fre	equer	ncie	s		Inst	ructor	Course	Dept	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	8	17	4.56	505/1481	4.53	4.56	4.29	4.14	4.56
2. Did the instructor make clear the expected goals	0	0	0	0	1	7	19	4.67	324/1481	4.63	4.57	4.23	4.18	4.67
3. Did the exam questions reflect the expected goals	0	3	0	0	0	5	19	4.79	211/1249	4.77	4.70	4.27	4.14	4.79
4. Did other evaluations reflect the expected goals	0	4	0	0	0	4	19	4.83	169/1424	4.55	4.55	4.21	4.06	4.83
5. Did assigned readings contribute to what you learned	0	0	0	2	2	5	18	4.44	346/1396	4.10	4.25	3.98	3.89	4.44
6. Did written assignments contribute to what you learned	0	1	0	0	3	3	20	4.65	198/1342	4.43	4.41	4.07	3.88	4.65
7. Was the grading system clearly explained	0	0	0	0	2	1	24	4.81	155/1459	4.56	4.50	4.16	4.17	4.81
8. How many times was class cancelled	0	0	0	0	0	0	27	5.00	1/1480	4.65	4.48	4.68	4.64	5.00
9. How would you grade the overall teaching effectiveness	3	0	0	0	0	11	13	4.54	304/1450	4.50	4.46	4.09	3.97	4.54
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	0	2	24	4.92	150/1409	4.78	4.65	4.42	4.36	4.92
2. Did the instructor seem interested in the subject	1	0	0	0	0	0	26	5.00	1/1407	4.92	4.89	4.69	4.57	5.00
3. Was lecture material presented and explained clearly	2	0	0	0	0	б	19	4.76	256/1399	4.74	4.54	4.26	4.23	4.76
4. Did the lectures contribute to what you learned	1	0	0	0	0	3	23	4.88	166/1400	4.86	4.68	4.27	4.19	4.88
5. Did audiovisual techniques enhance your understanding	2	6	0	2	4	2	11	4.16	518/1179	4.23	3.95	3.96	3.85	4.16
Discussion														
1. Did class discussions contribute to what you learned	13	0	0	0	1	5	8	4.50	345/1262	4.52	4.31	4.05	3.77	4.50
2. Were all students actively encouraged to participate	13	Ő	0	0	1	3	10	4.64	470/1259	4.68	4.43	4.29	4.06	4.64
3. Did the instructor encourage fair and open discussion	13	Ő	0	0	0	1	13	4.93	173/1256	4.84	4.54	4.30	4.08	4.93
4. Were special techniques successful	13	10	1	1	0	1	1		****/ 788		4.16	4.00	3.80	****

Credits Ea	arned	Cum. GPA		Expecte	d Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	А А	18	Required for Majors	18	Graduate	0	Major	0
28-55	3	1.00-1.99	0	В	б						
56-83	6	2.00-2.99	6	C	1	General	5	Under-grad	27	Non-major	27
84-150	4	3.00-3.49	7	D	0						
Grad.	0	3.50-4.00	3	F	0	Electives	0	#### - Means	there	are not enough	ı
				P	0			responses to	be sig	gnificant	
				I	0	Other	2	_			
				?	0						

Student Course Evaluation Questionnaire

			Fre	equer	ncie	s		Inst	ructor	Course	Dept	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	4	7	16	4.44	626/1481	4.53	4.56	4.29	4.14	4.44
2. Did the instructor make clear the expected goals	0	0	0	0	3	9	15	4.44	603/1481	4.63	4.57	4.23	4.18	4.44
3. Did the exam questions reflect the expected goals	0	23	0	0	0	0	4	5.00	****/1249	4.77	4.70	4.27	4.14	* * * *
4. Did other evaluations reflect the expected goals	0	2	0	1	2	9	13	4.36	607/1424	4.55	4.55	4.21	4.06	4.36
5. Did assigned readings contribute to what you learned	0	0	0	0	2	5	20	4.67	193/1396	4.10	4.25	3.98	3.89	4.67
6. Did written assignments contribute to what you learned	0	0	0	0	2	9	16	4.52	296/1342	4.43	4.41	4.07	3.88	4.52
7. Was the grading system clearly explained	0	0	0	1	1	7	18	4.56	402/1459	4.56	4.50	4.16	4.17	4.56
8. How many times was class cancelled	0	0	0	0	1	22	4	4.11	1316/1480	4.65	4.48	4.68	4.64	4.11
9. How would you grade the overall teaching effectiveness	2	0	0	0	4	8	13	4.36	515/1450	4.50	4.46	4.09	3.97	4.36
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	2	9	16	4.52	750/1409	4.78	4.65	4.42	4.36	4.52
2. Did the instructor seem interested in the subject	0	0	0	0	1	4	22	4.78	785/1407	4.92	4.89	4.69	4.57	4.78
3. Was lecture material presented and explained clearly	0	0	0	1	2	7	17	4.48	590/1399	4.74	4.54	4.26	4.23	4.48
4. Did the lectures contribute to what you learned	0	0	0	0	1	7	19	4.67	421/1400	4.86	4.68	4.27	4.19	4.67
5. Did audiovisual techniques enhance your understanding	0	9	0	1	1	б	10	4.39	352/1179	4.23	3.95	3.96	3.85	4.39
Discussion														
1. Did class discussions contribute to what you learned	13	0	0	0	0	3	11	4.79	182/1262	4.52	4.31	4.05	3.77	4.79
2. Were all students actively encouraged to participate	13	0	0	0	1	2	11	4.71	402/1259	4.68	4.43	4.29	4.06	4.71
3. Did the instructor encourage fair and open discussion	13	0	0	0	0	2	12	4.86	256/1256	4.84	4.54	4.30	4.08	4.86
4. Were special techniques successful	13	12	0	0	1	1	0	3.50	****/ 788	* * * *	4.16	4.00	3.80	* * * *

Credits Ea	arned	Cum. GPA		Expecte	d Grades	Reasons		Туре		Majors	
00-27	6	0.00-0.99	0	А А	11	Required for Majors	16	Graduate	0	Major	0
28-55	7	1.00-1.99	0	В	11						
56-83	0	2.00-2.99	6	С	2	General	4	Under-grad	27	Non-major	27
84-150	5	3.00-3.49	5	D	0						
Grad.	0	3.50-4.00	4	F	0	Electives	1	#### - Means	there	are not enough	n
				P	0			responses to	be sig	gnificant	
				I	0	Other	3				
				?	1						

Student Course Evaluation Questionnaire

			Fre	equei	ncie	s		Inst	ructor	Course	Dept	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	0	4	2	9	4.13	986/1481	4.18	4.56	4.29	4.14	4.13
2. Did the instructor make clear the expected goals	1	0	0	1	1	5	9	4.38	693/1481	4.45	4.57	4.23	4.18	4.38
3. Did the exam questions reflect the expected goals	1	1	0	1	0	2	12	4.67	334/1249	4.66	4.70	4.27	4.14	4.67
4. Did other evaluations reflect the expected goals	2	13	0	0	0	0	2	5.00	****/1424	4.60	4.55	4.21	4.06	* * * *
5. Did assigned readings contribute to what you learned	1	0	0	1	2	6	7	4.19	564/1396	4.24	4.25	3.98	3.89	4.19
6. Did written assignments contribute to what you learned	1	13	0	0	1	1	1	4.00	****/1342	4.20	4.41	4.07	3.88	* * * *
7. Was the grading system clearly explained	1	0	0	1	0	0	15	4.81	155/1459	4.79	4.50	4.16	4.17	4.81
8. How many times was class cancelled	1	0	0	1	0	13	2	4.00	1349/1480	4.00	4.48	4.68	4.64	4.00
9. How would you grade the overall teaching effectiveness	3	0	0	1	7	4	2	3.50	1223/1450	3.55	4.46	4.09	3.97	3.50
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	1	4	5	6	4.00	1152/1409	4.24	4.65	4.42	4.36	4.00
2. Did the instructor seem interested in the subject	1	0	0	0	0	4	12	4.75	823/1407	4.82	4.89	4.69	4.57	4.75
3. Was lecture material presented and explained clearly	1	0	1	1	3	5	6	3.88	1110/1399	4.06	4.54	4.26	4.23	3.88
4. Did the lectures contribute to what you learned	1	0	1	0	6	5	4	3.69	1176/1400	3.78	4.68	4.27	4.19	3.69
5. Did audiovisual techniques enhance your understanding	1	5	3	1	0	5	2	3.18	1016/1179	2.84	3.95	3.96	3.85	3.18
Discussion														
1. Did class discussions contribute to what you learned	5	0	2	1	4	3	2	3.17	1108/1262	3.46	4.31	4.05	3.77	3.17
2. Were all students actively encouraged to participate	5	0	3	0	6	2	1	2.83	1195/1259	3.42	4.43	4.29	4.06	2.83
3. Did the instructor encourage fair and open discussion	5	0	3	1	2	3	3	3.17	1156/1256	3.29	4.54	4.30	4.08	3.17

Credits E	edits Earned Cum. GPA			Expected	d Grades	Reasons		Туре		Majors	
00-27	3	0.00-0.99	0	A	4	Required for Majors	9	Graduate	0	Major	0
28-55	2	1.00-1.99	0	В	7						
56-83	1	2.00-2.99	2	С	3	General	3	Under-grad	17	Non-major	17
84-150	2	3.00-3.49	4	D	0						
Grad.	0	3.50-4.00	6	F	0	Electives	2	#### - Means	there	are not enough	n
				P	1			responses to	be sig	gnificant	
				I	0	Other	1				
				?	0						

Student Course Evaluation Questionnaire

			Fre	equei	ncie	s		Inst	ructor	Course	Dept	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank		Mean	Mean		Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	1	3	4	9	4.24	870/1481	4.18	4.56	4.29	4.14	4.24
2. Did the instructor make clear the expected goals	0	0	0	0	2	4	11	4.53	493/1481	4.45	4.57	4.23	4.18	4.53
3. Did the exam questions reflect the expected goals	0	0	0	0	1	4	12	4.65	357/1249	4.66	4.70	4.27	4.14	4.65
4. Did other evaluations reflect the expected goals	0	12	0	0	0	2	3	4.60	334/1424	4.60	4.55	4.21	4.06	4.60
5. Did assigned readings contribute to what you learned	0	0	1	0	2	4	10	4.29	467/1396	4.24	4.25	3.98	3.89	4.29
6. Did written assignments contribute to what you learned	0	12	0	0	1	2	2	4.20	592/1342	4.20	4.41	4.07	3.88	4.20
7. Was the grading system clearly explained	0	0	0	1	0	1	15	4.76	189/1459	4.79	4.50	4.16	4.17	4.76
8. How many times was class cancelled	0	0	0	0	0	17	0	4.00	1349/1480	4.00	4.48	4.68	4.64	4.00
9. How would you grade the overall teaching effectiveness	1	1	0	1	б	б	2	3.60	1189/1450	3.55	4.46	4.09	3.97	3.60
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	1	2	2	12	4.47	800/1409	4.24	4.65	4.42	4.36	4.47
2. Did the instructor seem interested in the subject	0	0	0	0	1	0	16	4.88	545/1407	4.82	4.89	4.69	4.57	4.88
3. Was lecture material presented and explained clearly	0	0	0	1	3	4	9	4.24	846/1399	4.06	4.54	4.26	4.23	4.24
4. Did the lectures contribute to what you learned	0	0	1	2	3	3	8	3.88	1095/1400	3.78	4.68	4.27	4.19	3.88
5. Did audiovisual techniques enhance your understanding	0	9	4	0	1	2	1	2.50	1128/1179	2.84	3.95	3.96	3.85	2.50
Discussion														
1. Did class discussions contribute to what you learned	5	0	1	0	4	3	4	3.75	887/1262	3.46	4.31	4.05	3.77	3.75
2. Were all students actively encouraged to participate	5	0	1	0	3	2	б	4.00	895/1259	3.42	4.43	4.29	4.06	4.00
3. Did the instructor encourage fair and open discussion	5	0	1	1	4	4	2		1122/1256		4.54	4.30	4.08	3.42

Credits	redits Earned Cum. GPA			Expected	Grades	Reasons		Туре		Majors	
00-27	3	0.00-0.99	0	A	2	Required for Majors	11	Graduate	0	Major	3
28-55	1	1.00-1.99	0	В	8						
56-83	2	2.00-2.99	2	С	3	General	4	Under-grad	17	Non-major	14
84-150	2	3.00-3.49	3	D	1						
Grad.	0	3.50-4.00	4	F	0	Electives	2	#### - Means	there	are not enough	n
				P	0			responses to	be sig	gnificant	
				I	0	Other	1				
				?	0						

Student Course Evaluation Questionnaire

		Frequencies			Inst	ructor	Course	Dept	UMBC	Level	Sect			
Questions	NR	NA	1	2	3	4	5	Mean	Rank		-		Mean	Mean
General 1. Did you qain new insights,skills from this course	0	0	0	0	3	9	27	4.62	450/1481	4.55	4.56	4.29	4.14	4.62
2. Did the instructor make clear the expected goals	0	0	0	0	0	14	25	4.64	349/1481	4.68	4.50	4.23	4.14	4.64
3. Did the exam questions reflect the expected goals	0	0	0	0	1	9	29	4.72	278/1249	4.74	4.70	4.27	4.14	4.72
4. Did other evaluations reflect the expected goals	0	2	0	0	1	13	23	4.59	344/1424	4.46	4.55	4.21	4.06	4.59
5. Did assigned readings contribute to what you learned	0	0	1	4	8	11	15	3.90	808/1396	4.01	4.25	3.98	3.89	3.90
6. Did written assignments contribute to what you learned	0	0	1	1	7	13	17	4.13	672/1342	4.06	4.41	4.07	3.88	4.13
7. Was the grading system clearly explained	0	0	0	2	4	14	19	4.28	749/1459	4.57	4.50	4.16	4.17	4.28
8. How many times was class cancelled	0	0	0	0	0	1	38	4.97	211/1480	4.93	4.48	4.68	4.64	4.97
9. How would you grade the overall teaching effectiveness	6	0	0	0	4	11	18	4.42	445/1450		4.46	4.00		4.42
5. now would you grade the overall teaching effectiveness	0	0	0	0	т	11	10	1.12	113/1130	4.50	1.10	1.09	5.91	1.12
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	1	0	5	32	4.79	367/1409	4.76	4.65	4.42	4.36	4.79
2. Did the instructor seem interested in the subject	1	0	0	0	0	1	37	4.97	150/1407	4.94	4.89	4.69	4.57	4.97
3. Was lecture material presented and explained clearly	1	0	0	1	2	10	25	4.55	513/1399	4.70	4.54	4.26	4.23	4.55
4. Did the lectures contribute to what you learned	1	0	0	0	0	б	32	4.84	208/1400	4.82	4.68	4.27	4.19	4.84
5. Did audiovisual techniques enhance your understanding	4	28	1	2	1	1	2	3.14	****/1179	4.00	3.95	3.96	3.85	* * * *
Discussion														
1. Did class discussions contribute to what you learned	14	0	1	0	0	10	14	4.44	400/1262	1 51	4.31	4.05	3.77	4.44
2. Were all students actively encouraged to participate	14^{-14}	0	0	1	3	4	17	4.48	606/1252	4.73	4.43	4.05	4.06	4.44
3. Did the instructor encourage fair and open discussion	14^{-14}	0	0	0	0	4	21	4.84	264/1256		4.43	4.30	4.08	4.84
4. Were special techniques successful	15	20	0	0	2	1	1		****/ 788		4.16	4.00	4.08 3.80	****
1. Nete Special cecimiques Successful	10	20	0	0	2	-	-	5.75	, ,00	5.50	1.10	1.00	5.00	
Laboratory														
2. Were you provided with adequate background information	38	0	0	0	0	0	1	5.00	****/ 249	* * * *	* * * *	4.11	3.95	* * * *
Seminar														
1. Were assigned topics relevant to the announced theme	37	1	0	0	0	0	1	5.00	****/ 68	* * * *	5.00	4.49	4.54	* * * *
2. Was the instructor available for individual attention	37	0	0	0	0	0	2		****/ 69	* * * *	5.00	4.53	4.18	* * * *
3. Did research projects contribute to what you learned	38	Ő	0	0	0	0	1		****/ 63	* * * *	****	4.44	4.17	* * * *
4. Did presentations contribute to what you learned	37	Ő	0	0	0	0	2		****/ 69	* * * *	* * * *	4.35	4.14	* * * *
5. Were criteria for grading made clear	38	Ő	0	0	Ő	0	1		****/ 68	* * * *	* * * *	3.92	3.80	* * * *
Field Work														
1. Did field experience contribute to what you learned	38	0	0	0	0	0	1	5.00	****/ 59	* * * *	* * * *	4.30	4.00	* * * *
2. Did you clearly understand your evaluation criteria	38	0	0	0	0	0	1	5.00	****/ 51	* * * *	* * * *	4.00	3.44	* * * *
Self Paced														
1. Did self-paced system contribute to what you learned	38	0	0	0	0	0	1	5.00	****/ 55	* * * *	* * * *	4.55	4.48	* * * *
2. Did study questions make clear the expected goal	38	0	0	0	0	0	1	5.00	****/ 31	* * * *	* * * *	4.75	4.42	* * * *
3. Were your contacts with the instructor helpful	38	0	0	0	0	0	1		****/ 51	* * * *	* * * *	4.65	4.63	* * * *
		-	-	-	-	-	_		, 51					

Credits E	Credits Earned Cum. GPA			Expecte	d Grades	Reasons		Туре		Majors	
00-27	2	0.00-0.99	0	A	14	Required for Majors	22	Graduate	0	Major	1
28-55	14	1.00-1.99	0	В	18						
56-83	б	2.00-2.99	б	С	0	General	5	Under-grad	39	Non-major	38
84-150	3	3.00-3.49	11	D	0						
Grad.	0	3.50-4.00	12	F	0	Electives	0	#### - Means	there	are not enough	n
				P	0			responses to	be sig	nificant	
				I	0	Other	11	-			

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Student Course Evaluation Questionnaire

		Frequencies						Inst	ructor	Course	Dept	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	1	1	4	21	4.67	395/1481	4.55	4.56	4.29	4.14	4.67
2. Did the instructor make clear the expected goals	0	0	0	0	2	4	21	4.70	274/1481	4.68	4.57	4.23	4.18	4.70
3. Did the exam questions reflect the expected goals	0	0	0	0	2	5	20	4.67	334/1249	4.74	4.70	4.27	4.14	4.67
4. Did other evaluations reflect the expected goals	0	1	0	1	1	6	18	4.58	364/1424	4.46	4.55	4.21	4.06	4.58
5. Did assigned readings contribute to what you learned	0	0	1	1	5	10	10	4.00	707/1396	4.01	4.25	3.98	3.89	4.00
6. Did written assignments contribute to what you learned	0	0	0	1	б	10	10	4.07	713/1342	4.06	4.41	4.07	3.88	4.07
7. Was the grading system clearly explained	0	0	0	0	2	10	15	4.48	490/1459	4.57	4.50	4.16	4.17	4.48
8. How many times was class cancelled	0	0	0	0	0	0	27	5.00	1/1480	4.93	4.48	4.68	4.64	5.00
9. How would you grade the overall teaching effectiveness	1	1	0	0	1	13	11	4.40	473/1450	4.56	4.46	4.09	3.97	4.40
Lecture														
1. Were the instructor's lectures well prepared	٥	0	Ο	0	0	7	20	4.74	433/1409	4.76	4.65	4.42	4.36	4.74
2. Did the instructor seem interested in the subject	0	0	0	0	0	2	25	4.93	400/1407	4.94	4.89	4.69	4.57	4.93
3. Was lecture material presented and explained clearly	0	0	0	0	1	7	19	4.67	376/1399	4.70	4.54	4.26	4.23	4.67
4. Did the lectures contribute to what you learned	0	0	0	0	0	5	22	4.81	239/1400		4.68	4.27	4.19	4.81
5. Did audiovisual techniques enhance your understanding	0	23	0	2	2	0	0		****/1179		3.95	3.96	3.85	****
5. Did additivistal techniques enhance your understanding	0	25	0	2	2	0	0	2.50	/11/9	1.00	5.95	5.90	5.05	
Discussion														
1. Did class discussions contribute to what you learned	10	0	0	0	3	4	10	4.41	427/1262	4.51	4.31	4.05	3.77	4.41
2. Were all students actively encouraged to participate	10	0	0	0	1	4	12	4.65	470/1259	4.73	4.43	4.29	4.06	4.65
3. Did the instructor encourage fair and open discussion	10	0	0	0	1	3	13	4.71	419/1256	4.82	4.54	4.30	4.08	4.71
4. Were special techniques successful	10	11	0	0	2	2	2	4.00	****/ 788	3.50	4.16	4.00	3.80	* * * *

Credits Ea	Credits Earned Cum. GPA			Expecte	ed Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	1	А А	14	Required for Majors	14	Graduate	0	Major	0
28-55	7	1.00-1.99	0	В	13						
56-83	5	2.00-2.99	6	С	0	General	10	Under-grad	27	Non-major	27
84-150	6	3.00-3.49	9	D	0						
Grad.	0	3.50-4.00	6	F	0	Electives	0	#### - Means	there	are not enough	ı
				P	0			responses to	be sig	gnificant	
				I	0	Other	2				
				?	0						

Student Course Evaluation Questionnaire

	Mean Mean
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 1 0 4 8 9 4.09 1012/1481 4.55 4.56 4.29	4.14 4.09
2. Did the instructor make clear the expected goals 1 0 0 1 1 6 13 4.48 560/1481 4.68 4.57 4.23	4.18 4.48
3. Did the exam questions reflect the expected goals 0 0 0 0 1 5 16 4.68 310/1249 4.74 4.70 4.27	4.14 4.68
4. Did other evaluations reflect the expected goals 1 11 0 0 4 3 3 3.90 1087/1424 4.46 4.55 4.21	4.06 3.90
5. Did assigned readings contribute to what you learned 1 0 0 2 2 4 13 4.33 435/1396 4.01 4.25 3.98	3.89 4.33
6. Did written assignments contribute to what you learned 1 12 1 0 2 3 3 3.78 974/1342 4.06 4.41 4.07	3.88 3.78
7. Was the grading system clearly explained 1 0 0 0 3 3 15 4.57 378/1459 4.57 4.50 4.16	4.17 4.57
8. How many times was class cancelled 1 0 0 0 5 16 4.76 871/1480 4.93 4.48 4.68	4.64 4.76
9. How would you grade the overall teaching effectiveness 5 2 0 0 1 7 7 4.40 473/1450 4.56 4.46 4.09	3.97 4.40
Lecture	
1. Were the instructor's lectures well prepared 2 0 0 0 1 7 12 4.55 705/1409 4.76 4.65 4.42	4.36 4.55
2. Did the instructor seem interested in the subject 2 0 0 0 1 1 18 4.85 614/1407 4.94 4.89 4.69	4.57 4.85
3. Was lecture material presented and explained clearly 3 0 0 0 1 5 13 4.63 $417/1399$ 4.70 4.54 4.26	4.23 4.63
4. Did the lectures contribute to what you learned 2 0 0 1 0 4 15 4.65 433/1400 4.82 4.68 4.27	4.19 4.65
5. Did audiovisual techniques enhance your understanding 3 2 0 3 2 4 8 4.00 590/1179 4.00 3.95 3.96	3.85 4.00
Discussion	
1. Did class discussions contribute to what you learned 6 0 0 0 4 3 9 4.31 527/1262 4.51 4.31 4.05	3.77 4.31
2. Were all students actively encouraged to participate 6 0 0 0 3 13 4.81 294/1259 4.73 4.43 4.29	4.06 4.81
3. Did the instructor encourage fair and open discussion 6 0 0 0 1 2 13 4.75 357/1256 4.82 4.54 4.30	4.08 4.75
4. Were special techniques successful 8 8 1 0 2 1 2 3.50 604/788 3.50 4.16 4.00	3.80 3.50

Credits Ea	Credits Earned Cum. GPA		L L	Expecte	d Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	А А	13	Required for Majors	9	Graduate	0	Major	1
28-55	2	1.00-1.99	0	В	3						
56-83	2	2.00-2.99	3	C	0	General	2	Under-grad	22	Non-major	21
84-150	5	3.00-3.49	4	D	0						
Grad.	0	3.50-4.00	4	F	0	Electives	2	#### - Means	there	are not enoug	h
				P	0			responses to	be sig	gnificant	
				I	0	Other	2	_			
				?	0						

Student Course Evaluation Questionnaire

		Frequencies						Inst	ructor	Course	Dept	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	0	4	20	4.83	210/1481	4.55	4.56	4.29	4.14	4.83
2. Did the instructor make clear the expected goals	0	0	0	0	0	2	22	4.92	103/1481	4.68	4.57	4.23	4.18	4.92
3. Did the exam questions reflect the expected goals	0	0	0	0	0	3	21	4.88	160/1249	4.74	4.70	4.27	4.14	4.88
4. Did other evaluations reflect the expected goals	0	0	0	0	2	2	20	4.75	217/1424	4.46	4.55	4.21	4.06	4.75
5. Did assigned readings contribute to what you learned	0	4	2	0	7	2	9	3.80	877/1396	4.01	4.25	3.98	3.89	3.80
6. Did written assignments contribute to what you learned	0	2	1	1	3	3	14	4.27	527/1342	4.06	4.41	4.07	3.88	4.27
7. Was the grading system clearly explained	1	0	0	0	0	1	22	4.96	51/1459	4.57	4.50	4.16	4.17	4.96
8. How many times was class cancelled	1	0	0	0	0	0	23	5.00	1/1480	4.93	4.48	4.68	4.64	5.00
9. How would you grade the overall teaching effectiveness	4	0	0	0	0	0	20	5.00	1/1450	4.56	4.46	4.09	3.97	5.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	1	23	4.96	94/1409	4.76	4.65	4.42	4.36	4.96
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	24	5.00	1/1407	4.94	4.89	4.69	4.57	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	1	23	4.96	65/1399	4.70	4.54	4.26	4.23	4.96
4. Did the lectures contribute to what you learned	0	0	0	0	0	1	23	4.96	73/1400	4.82	4.68	4.27	4.19	4.96
5. Did audiovisual techniques enhance your understanding	0	19	0	0	0	1	4	4.80	****/1179	4.00	3.95	3.96	3.85	* * * *
Discussion														
1. Did class discussions contribute to what you learned	8	0	0	0	1	0	15	4.88	138/1262	4.51	4.31	4.05	3.77	4.88
2. Were all students actively encouraged to participate	8	0	0	0	0	0	16	5.00	1/1259	4.73	4.43	4.29	4.06	5.00
3. Did the instructor encourage fair and open discussion	8	0	0	0	0	Ő	16	5.00	1/1256		4.54	4.30	4.08	5.00
4. Were special techniques successful	8	11	1	0	0	0	4		****/ 788	3.50	4.16	4.00	3.80	****

Credits E	arned	Cum. GPA	Į	Expecte	d Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	A	21	Required for Majors	13	Graduate	0	Major	0
28-55	1	1.00-1.99	0	В	1						
56-83	1	2.00-2.99	4	C	0	General	7	Under-grad	24	Non-major	24
84-150	14	3.00-3.49	10	D	0						
Grad.	0	3.50-4.00	4	F	0	Electives	0	#### - Means	there	are not enough	ı
				P	0			responses to	be sig	gnificant	
				I	0	Other	1	_			
				?	0						

Student Course Evaluation Questionnaire

			Fre	eque	ncie	s		Inst	ructor	Course	Dept	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	1	7	9	16	4.21	896/1481	4.21	4.56	4.29	4.40	4.21
2. Did the instructor make clear the expected goals	1	0	0	3	б	9	15	4.09	963/1481	4.09	4.57	4.23	4.29	4.09
3. Did the exam questions reflect the expected goals	2	0	0	1	4	12	15	4.28	718/1249	4.28	4.70	4.27	4.36	4.28
4. Did other evaluations reflect the expected goals	1	3	0	0	3	14	13	4.33	645/1424	4.33	4.55	4.21	4.28	4.33
5. Did assigned readings contribute to what you learned	2	0	0	0	б	7	19	4.41	380/1396	4.41	4.25	3.98	3.94	4.41
6. Did written assignments contribute to what you learned	1	0	0	0	7	10	16	4.27	527/1342	4.27	4.41	4.07	4.05	4.27
7. Was the grading system clearly explained	1	0	1	7	11	8	б	3.33	1318/1459	3.33	4.50	4.16	4.17	3.33
8. How many times was class cancelled	1	1	0	3	13	13	3	3.50	1454/1480	3.50	4.48	4.68	4.68	3.50
9. How would you grade the overall teaching effectiveness	5	0	0	1	2	17	9	4.17	712/1450	4.17	4.46	4.09	4.15	4.17
Lecture														
1. Were the instructor's lectures well prepared	1	0	1	2	3	10	17	4.21	1055/1409	4.21	4.65	4.42	4.47	4.21
2. Did the instructor seem interested in the subject	1	0	0	0	0	3	30	4.91	500/1407	4.91	4.89	4.69	4.78	4.91
3. Was lecture material presented and explained clearly	1	0	1	2	6	13	11	3.94	1067/1399	3.94	4.54	4.26	4.29	3.94
4. Did the lectures contribute to what you learned	1	0	0	2	2	10	19	4.39	716/1400	4.39	4.68	4.27	4.34	4.39
5. Did audiovisual techniques enhance your understanding	2	28	1	2	1	0	0	2.00	****/1179	* * * *	3.95	3.96	4.05	* * * *
Discussion														
1. Did class discussions contribute to what you learned	21	0	1	2	5	2	3	3.31	1070/1262	3.31	4.31	4.05	4.11	3.31
2. Were all students actively encouraged to participate	21	0	2	0	2	3	6		1007/1259		4.43	4.29	4.34	3.85
3. Did the instructor encourage fair and open discussion	21	0	0	0	2	4	7	4.38	692/1256		4.54	4.30	4.28	4.38
4. Were special techniques successful	21	10	1	0	0	1	1		****/ 788		4.16	4.00	3.98	* * * *

Credits Ea	arned	Cum. GPA	Į	Expecte	ed Grades	Reasons		Туре		Majors	
00-27	2	0.00-0.99	1	А А	13	Required for Majors	16	Graduate	0	Major	0
28-55	4	1.00-1.99	0	В	12						
56-83	3	2.00-2.99	3	С	3	General	8	Under-grad	34	Non-major	34
84-150	5	3.00-3.49	8	D	0						
Grad.	0	3.50-4.00	10	F	0	Electives	1	#### - Means	there	are not enough	ı
				P	0			responses to	be sig	gnificant	
				I	0	Other	7	_			
				?	3						

Student Course Evaluation Questionnaire

			Fre	equer	ncie	s		Inst	ructor	Course	Dept	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	1	0	5	11	11	4.11	1006/1481	4.11	4.56	4.29	4.40	4.11
2. Did the instructor make clear the expected goals	1	0	0	2	4	11	10	4.07	971/1481	4.07	4.57	4.23	4.29	4.07
3. Did the exam questions reflect the expected goals	0	0	0	0	1	10	17	4.57	432/1249	4.57	4.70	4.27	4.36	4.57
4. Did other evaluations reflect the expected goals	0	1	0	0	1	9	17	4.59	344/1424	4.59	4.55	4.21	4.28	4.59
5. Did assigned readings contribute to what you learned	0	8	2	3	2	4	9	3.75	918/1396	3.75	4.25	3.98	3.94	3.75
6. Did written assignments contribute to what you learned	0	1	1	0	3	6	17	4.41	405/1342	4.41	4.41	4.07	4.05	4.41
7. Was the grading system clearly explained	0	2	1	3	6	6	10	3.81	1125/1459	3.81	4.50	4.16	4.17	3.81
8. How many times was class cancelled	1	0	1	3	7	12	4	3.56	1451/1480	3.56	4.48	4.68	4.68	3.56
9. How would you grade the overall teaching effectiveness	3	0	0	2	6	10	7	3.88	989/1450	3.88	4.46	4.09	4.15	3.88
Lecture														
1. Were the instructor's lectures well prepared	0	0	2	6	9	3	8	3.32	1327/1409	3.32	4.65	4.42	4.47	3.32
2. Did the instructor seem interested in the subject	0	0	0	0	1	4	23	4.79	766/1407	4.79	4.89	4.69	4.78	4.79
3. Was lecture material presented and explained clearly	0	0	1	5	8	6	8	3.54	1231/1399	3.54	4.54	4.26	4.29	3.54
4. Did the lectures contribute to what you learned	0	0	1	1	9	9	8		1130/1400	3.79	4.68	4.27	4.34	3.79
5. Did audiovisual techniques enhance your understanding	1	8	1	0	6	7	5	3.79	773/1179	3.79	3.95	3.96	4.05	3.79
Discussion														
1. Did class discussions contribute to what you learned	22	0	0	0	1	З	2	4 17	****/1262	* * * *	4.31	4.05	4.11	* * * *
2. Were all students actively encouraged to participate	22	0	0	0	3	3	0		****/1259	* * * *	4.43	4.29	4.34	* * * *
3. Did the instructor encourage fair and open discussion	22	0	0	0	2	2	2		****/1256	* * * *	4.54	4.30	4.28	* * * *
4. Were special techniques successful	22	1	0	3	0	2	0		****/ 788	* * * *	4.16	4.00	3.98	* * * *
Seminar					~									
1. Were assigned topics relevant to the announced theme	27	0	0	0	0	0	1		****/ 68		5.00	4.49	5.00	* * * *
2. Was the instructor available for individual attention	27	0	0	0	0	0	1		****/ 69	* * * *	5.00	4.53	4.83	****
3. Did research projects contribute to what you learned	27	0	0	0	0	U	1		****/ 63		* * * *	4.44	4.00	* * * *
4. Did presentations contribute to what you learned	27	0	0	0	0	0	1	5.00	****/ 69	****	* * * *	4.35	4.72	
5. Were criteria for grading made clear	27	0	0	0	0	0	1	5.00	****/ 68	* * * *	* * * *	3.92	3.55	* * * *

Credits E	arned	Cum. GPA	Į	Expected	d Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	A	23	Required for Majors	19	Graduate	1	Major	0
28-55	0	1.00-1.99	0	В	2						
56-83	8	2.00-2.99	2	С	1	General	б	Under-grad	27	Non-major	28
84-150	8	3.00-3.49	7	D	0						
Grad.	1	3.50-4.00	10	F	0	Electives	1	#### - Means	there	are not enough	ı
				P	0			responses to	be sig	nificant	
				I	0	Other	2	-			
				?	0						

Student Course Evaluation Questionnaire

			Fre	equer	ncie	s		Inst	ructor	Course	Dept	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	1	0	3	11	12	4.22	883/1481	4.22	4.56	4.29	4.29	4.22
2. Did the instructor make clear the expected goals	0	0	0	2	4	10	11	4.11	950/1481	4.11	4.57	4.23	4.23	4.11
3. Did the exam questions reflect the expected goals	0	0	1	0	1	9	16	4.44	573/1249	4.44	4.70	4.27	4.28	4.44
4. Did other evaluations reflect the expected goals	0	14	1	0	1	4	7	4.23	762/1424	4.23	4.55	4.21	4.27	4.23
5. Did assigned readings contribute to what you learned	0	0	1	4	7	4	11	3.74	926/1396	3.74	4.25	3.98	4.00	3.74
6. Did written assignments contribute to what you learned	0	10	2	1	3	5	6	3.71	1018/1342	3.71	4.41	4.07	4.12	3.71
7. Was the grading system clearly explained	0	0	1	2	6	5	13	4.00	961/1459	4.00	4.50	4.16	4.17	4.00
8. How many times was class cancelled	0	0	0	0	7	11	9	4.07	1331/1480	4.07	4.48	4.68	4.65	4.07
9. How would you grade the overall teaching effectiveness	4	0	0	0	3	12	8	4.22	672/1450	4.22	4.46	4.09	4.10	4.22
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	1	2	6	17	4.50	762/1409	4.50	4.65	4.42	4.43	4.50
2. Did the instructor seem interested in the subject	2	Ő	0	0	2	5	18	4.64	986/1407	4.64	4.89	4.69	4.67	4.64
5	3	0	0	0	4	9	11						4.27	
		0	0	1	1	4	19	4.64					4.28	
-	2	20	2	1	0	1	1	2.60	****/1179		3.95	3.96	4.02	* * * *
······································									,					
Discussion														
1. Did class discussions contribute to what you learned	14	0	1	0	3	5	4	3.85	836/1262	3.85	4.31	4.05	4.14	3.85
2. Were all students actively encouraged to participate	14	0	0	1	2	5	5	4.08	875/1259	4.08	4.43	4.29	4.34	4.08
3. Did the instructor encourage fair and open discussion	14	0	0	1	3	3	6	4.08	872/1256	4.08	4.54	4.30	4.34	4.08
4. Were special techniques successful	14	11	1	0	0	1	0	2.50	****/ 788	* * * *	4.16	4.00	4.07	* * * *
 Was lecture material presented and explained clearly Did the lectures contribute to what you learned Did audiovisual techniques enhance your understanding Discussion Did class discussions contribute to what you learned Were all students actively encouraged to participate Did the instructor encourage fair and open discussion 	14 14 14	0 0 20 0 0 0	0 0 2 1 0	-	-	-	11 19 1 4 5	4.29 4.64 2.60 3.85 4.08 4.08	792/1399 444/1400 ****/1179 836/1262 875/1259 872/1256	4.29 4.64 **** 3.85 4.08 4.08	4.54 4.68 3.95 4.31 4.43 4.54	4.26 4.27 3.96 4.05 4.29 4.30	4.27 4.28 4.02 4.14 4.34 4.34	4.29 4.64 **** 3.85 4.08 4.08

Credits E	larned	Cum. GPA	Α	Expecte	d Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	А А	10	Required for Majors	1	Graduate	1	Major	6
28-55	0	1.00-1.99	0	В	8						
56-83	1	2.00-2.99	6	C	5	General	3	Under-grad	26	Non-major	21
84-150	18	3.00-3.49	4	D	0						
Grad.	1	3.50-4.00	11	F	0	Electives	2	#### - Means	there	are not enough	n
				P	0			responses to	be sig	gnificant	
				I	0	Other	20				
				?	2						

Student Course Evaluation Questionnaire

	Frequencies						Inst	ructor	Course	Dept	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	1	3	3	4.29	805/1481	4.29	4.56	4.29	4.29	4.29
2. Did the instructor make clear the expected goals	0	0	0	0	0	3	4	4.57	434/1481	4.57	4.57	4.23	4.23	4.57
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	6	4.86	172/1249	4.86	4.70	4.27	4.28	4.86
4. Did other evaluations reflect the expected goals	0	0	0	0	2	2	3	4.14	863/1424	4.14	4.55	4.21	4.27	4.14
5. Did assigned readings contribute to what you learned	0	0	1	0	1	1	4	4.00	707/1396	4.00	4.25	3.98	4.00	4.00
6. Did written assignments contribute to what you learned	0	2	1	0	0	1	3	4.00	755/1342	4.00	4.41	4.07	4.12	4.00
7. Was the grading system clearly explained	0	0	0	0	0	3	4	4.57	378/1459	4.57	4.50	4.16	4.17	4.57
8. How many times was class cancelled	0	1	0	0	2	3	1	3.83	1429/1480	3.83	4.48	4.68	4.65	3.83
9. How would you grade the overall teaching effectiveness	1	0	0	0	0	4	2	4.33	546/1450	4.33	4.46	4.09	4.10	4.33
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	1	6	4.86	261/1409	4.86	4.65	4.42	4.43	4.86
2. Did the instructor seem interested in the subject	0	0	0	0	0	2	5	4.71	899/1407	4.71	4.89	4.69	4.67	4.71
3. Was lecture material presented and explained clearly	0	0	0	0	0	2	5	4.71	311/1399	4.71	4.54	4.26	4.27	4.71
4. Did the lectures contribute to what you learned	0	0	0	0	0	2	5	4.71	361/1400	4.71	4.68	4.27	4.28	4.71
5. Did audiovisual techniques enhance your understanding	0	5	0	0	1	0	1	4.00	590/1179	4.00	3.95	3.96	4.02	4.00
Discussion														
1. Did class discussions contribute to what you learned	3	0	0	0	2	0	2	4.00	708/1262	4.00	4.31	4.05	4.14	4.00
2. Were all students actively encouraged to participate	3	0	0	0	1	0	3	4.50	588/1259	4.50	4.43	4.29	4.34	4.50
3. Did the instructor encourage fair and open discussion	3	0	0	0	1	1	2	4.25	773/1256	4.25	4.54	4.30	4.34	4.25

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

Student Course Evaluation Questionnaire

			Fre	ane	ncie	s		Inst	ructor	Course	Dept	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank		Mean			Mean
General 1. Did you gain new insights,skills from this course	1	0	2	0	3	б	30	4.51	540/1481	4.51	4.56	4.29	4.29	4.51
2. Did the instructor make clear the expected goals	2	0	2 0	2	5	13	20	4.28	801/1481	4.28	4.50	4.29	4.29	4.28
3. Did the exam questions reflect the expected goals	2	1	0	1	4	10	20 24	4.46	548/1249	4.46	4.70	4.23	4.23	4.46
4. Did other evaluations reflect the expected goals	2	25	0	0	2	10 6	24 7	4.33	645/1424		4.55	4.27	4.20	4.33
5. Did assigned readings contribute to what you learned	3	25 6	2	1	2 7	7	, 16	4.03	687/1396		4.25	3.98	4.00	4.03
6. Did written assignments contribute to what you learned	2	31	0	1	0	1	10		****/1342	****	4.41	4.07	4.00	****
7. Was the grading system clearly explained	2	0	3	4	8	10	15		1154/1459	3.75	4.41	4.16	4.12	3.75
8. How many times was class cancelled	2	0	0	4	15	18	3		1454/1480		4.48	4.10	4.17	3.50
9. How would you grade the overall teaching effectiveness	10	2	0	0	15 6	13		4.17	722/1450	4.17	4.40	4.08	4.05	4.17
9. How would you grade the overall teaching effectiveness	ΤŪ	2	0	0	0	13	11	4.1/	/22/1450	4.1/	4.40	4.09	4.10	4.1/
Lecture														
1. Were the instructor's lectures well prepared	3	0	0	1	6	15	17	4.23	1043/1409	4.23	4.65	4.42	4.43	4.23
2. Did the instructor seem interested in the subject	5	0	0	1	1	3	32	4.78	766/1407	4.78	4.89	4.69	4.67	4.78
3. Was lecture material presented and explained clearly	4	0	1	2	4	14	17	4.16	920/1399	4.16	4.54	4.26	4.27	4.16
4. Did the lectures contribute to what you learned	5	0	0	0	2	10	25	4.62	468/1400	4.62	4.68	4.27	4.28	4.62
5. Did audiovisual techniques enhance your understanding	7	27	0	0	1	0	7	4.75	****/1179	* * * *	3.95	3.96	4.02	* * * *
Discussion	2.0	0	0	-		-		2 22	1050/1060	2 22	4 01	4 0 5		
1. Did class discussions contribute to what you learned	30	0	2	1	4 1	1	4 7		1059/1262		4.31	4.05	4.14	3.33
2. Were all students actively encouraged to participate	30	0	0	1	_	3	-	4.33	729/1259		4.43	4.29	4.34	4.33
3. Did the instructor encourage fair and open discussion	30	0	1	0	0 0	3 0	8 2	4.42	669/1256	4.42 ****	4.54	4.30	4.34	4.42 ****
4. Were special techniques successful	30	10	0	0	0	0	2	5.00	****/ 788	~ ~ ~ ~	4.16	4.00	4.07	~ ~ ~ ~
Laboratory														
1. Did the lab increase understanding of the material	41	0	0	0	0	0	1	5.00	****/ 246	* * * *	* * * *	4.20	4.20	* * * *
2. Were you provided with adequate background information	41	0	0	0	0	0	1	5.00	****/ 249	* * * *	* * * *	4.11	4.23	* * * *
3. Were necessary materials available for lab activities	41	0	0	0	0	0	1	5.00	****/ 242	* * * *	* * * *	4.40	4.36	* * * *
4. Did the lab instructor provide assistance	41	0	0	0	0	0	1	5.00	****/ 240	* * * *	* * * *	4.20	3.96	* * * *
5. Were requirements for lab reports clearly specified	41	0	0	0	0	0	1	5.00	****/ 217	* * * *	* * * *	4.04	4.11	* * * *
Seminar							-							* * * *
1. Were assigned topics relevant to the announced theme	41	0	0	0	0	0	1		****/ 68	****	5.00	4.49	4.70	
2. Was the instructor available for individual attention	41	0	0	0	0	0	1			* * * *	5.00	4.53	4.66	* * * *
3. Did research projects contribute to what you learned	41	0	0	0	0	0	1		,	* * * *	* * * *	4.44	4.56	* * * *
4. Did presentations contribute to what you learned	41	0	0	0	0	0	1	5.00	****/ 69	****	* * * *	4.35	4.48	* * * *
5. Were criteria for grading made clear	41	0	0	0	0	0	1	5.00	****/ 68	* * * *	* * * *	3.92	4.43	* * * *
Field Work														
1. Did field experience contribute to what you learned	41	0	0	0	0	0	1	5.00	****/ 59	* * * *	* * * *	4.30	4.48	* * * *
2. Did you clearly understand your evaluation criteria	41	0	0	0	0	0	1	5.00	****/ 51	* * * *	* * * *	4.00	4.13	* * * *
3. Was the instructor available for consultation	41	0	0	0	0	0	1	5.00	****/ 36	* * * *	* * * *	4.60	4.33	* * * *
4. To what degree could you discuss your evaluations	41	0	0	Ő	0	0	1	5.00	****/ 41	* * * *	* * * *	4.26	3.90	* * * *
5. Did conferences help you carry out field activities	41	0	0	0	0	0	1		****/ 31	* * * *	* * * *	4.42	4.00	* * * *
	**	0	č	Ŭ	0	Ũ	-	5.00	, 51				1.00	
Self Paced														
1. Did self-paced system contribute to what you learned	41	0	0	0	0	0	1		****/ 55	* * * *	* * * *	4.55	4.88	* * * *
2. Did study questions make clear the expected goal	41	0	0	0	0	0	1	5.00	****/ 31	* * * *	* * * *	4.75	4.67	* * * *
3. Were your contacts with the instructor helpful	41	0	0	0	0	0	1	5.00	****/ 51	* * * *	* * * *	4.65	4.88	* * * *
4. Was the feedback/tutoring by proctors helpful	41	0	0	0	0	0	1	5.00	****/ 34	* * * *	* * * *	4.83	4.67	* * * *
5. Were there enough proctors for all the students	41	0	0	0	0	0	1	5.00	****/ 24	* * * *	* * * *	4.82	4.67	* * * *

Course-Section:	PHIL 346 0101
Title	DEDUCTIVE SYSTEMS
Instructor:	WILSON, RICHARD
Enrollment:	47
Questionnaires:	42

Student Course Evaluation Questionnaire

Credits E	larned	Cum. GPA	ł	Expecte	ed Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	А	21	Required for Majors	0	Graduate	0	Major	5
28-55	1	1.00-1.99	0	В	7						
56-83	2	2.00-2.99	7	C	5	General	6	Under-grad	42	Non-major	37
84-150	18	3.00-3.49	8	D	0						
Grad.	0	3.50-4.00	10	F	0	Electives	1	#### - Means	there	are not enough	n
				P	0			responses to	be sig	gnificant	
				I	0	Other	28				
				?	4						

Student Course Evaluation Questionnaire

		Frequencies						Inst	ructor	Course	Dept	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	1	0	2	10	4.62	450/1481	4.62	4.56	4.29	4.29	4.62
2. Did the instructor make clear the expected goals	0	0	0	1	0	4	8	4.46	574/1481	4.46	4.57	4.23	4.23	4.46
3. Did the exam questions reflect the expected goals	0	0	0	0	1	2	10	4.69	298/1249	4.69	4.70	4.27	4.28	4.69
4. Did other evaluations reflect the expected goals	0	0	0	0	2	3	8	4.46	485/1424	4.46	4.55	4.21	4.27	4.46
5. Did assigned readings contribute to what you learned	0	0	1	0	1	2	9	4.38	395/1396	4.38	4.25	3.98	4.00	4.38
6. Did written assignments contribute to what you learned	0	0	0	0	2	2	9	4.54	283/1342	4.54	4.41	4.07	4.12	4.54
7. Was the grading system clearly explained	0	0	0	0	2	1	10	4.62	332/1459	4.62	4.50	4.16	4.17	4.62
8. How many times was class cancelled	0	0	0	0	1	10	2	4.08	1331/1480	4.08	4.48	4.68	4.65	4.08
9. How would you grade the overall teaching effectiveness	3	0	0	0	2	0	8	4.60	259/1450	4.60	4.46	4.09	4.10	4.60
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	0	3	9	4.75	417/1409	4.75	4.65	4.42	4.43	4.75
2. Did the instructor seem interested in the subject	1	0	0	0	0	0	12	5.00	1/1407	5.00	4.89	4.69	4.67	5.00
3. Was lecture material presented and explained clearly	1	0	0	0	1	5	6	4.42	671/1399	4.42	4.54	4.26	4.27	4.42
4. Did the lectures contribute to what you learned	1	0	0	0	1	2	9	4.67	421/1400	4.67	4.68	4.27	4.28	4.67
5. Did audiovisual techniques enhance your understanding	1	7	1	0	1	0	3	3.80	760/1179	3.80	3.95	3.96	4.02	3.80
Discussion														
1. Did class discussions contribute to what you learned	2	0	0	0	2	2	6	4.40	437/1262	4.40	4.31	4.05	4.14	4.40
2. Were all students actively encouraged to participate	3	0	0	0	1	2	6	4.50	588/1259	4.50	4.43	4.29	4.34	4.50
3. Did the instructor encourage fair and open discussion	3	0	0	0	0	3	7	4.70	428/1256	4.70	4.54	4.30	4.34	4.70
4. Were special techniques successful	2	6	1	0	1	0	2	3.50	604/ 788	3.50	4.16	4.00	4.07	3.50
i. were special countracts successful	J	0	1	0	Ŧ	0	2	5.50	001/ /00	5.50	1.10	1.00	1.07	5.50

Credits Ea	arned	Cum. GPA	L L	Expected	d Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	А	7	Required for Majors	5	Graduate	0	Major	3
28-55	0	1.00-1.99	0	В	1						
56-83	2	2.00-2.99	1	C	2	General	1	Under-grad	13	Non-major	10
84-150	1	3.00-3.49	1	D	0						
Grad.	0	3.50-4.00	4	F	0	Electives	1	#### - Means	there	are not enough	n
				P	1			responses to	be sig	gnificant	
				I	0	Other	5	_			
				?	1						

Student Course Evaluation Questionnaire

Ouestions	NR	N۸	Fre 1	equer 2	ncies 3	5 	5	Inst Mean	ructor Rank	Course	Dept Mean			Sect Mean
Quescions		INA 	⊥ 			ч 				Mean				
General														
1. Did you gain new insights, skills from this course	0	0	0	0	1	5	9	4.53	522/1481	4.53	4.56	4.29	4.29	4.53
2. Did the instructor make clear the expected goals	0	0	0	0	0	9	б	4.40	661/1481	4.40	4.57	4.23	4.23	4.40
3. Did the exam questions reflect the expected goals	0	9	0	0	0	3	3	4.50	498/1249	4.50	4.70	4.27	4.28	4.50
4. Did other evaluations reflect the expected goals	0	0	0	0	0	6	9	4.60	334/1424	4.60	4.55	4.21	4.27	4.60
5. Did assigned readings contribute to what you learned	1	0	0	0	2	5	7	4.36	419/1396	4.36	4.25	3.98	4.00	4.36
6. Did written assignments contribute to what you learned	0	0	0	0	2	7	6	4.27	534/1342	4.27	4.41	4.07	4.12	4.27
7. Was the grading system clearly explained	0	0	0	0	1	6	8	4.47	520/1459	4.47	4.50	4.16	4.17	4.47
8. How many times was class cancelled	0	0	0	0	1	9	5	4.27	1208/1480	4.27	4.48	4.68	4.65	4.27
9. How would you grade the overall teaching effectiveness	2	0	0	0	0	7	б	4.46	389/1450	4.46	4.46	4.09	4.10	4.46
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	0	2	11	4.85	275/1409	4.85	4.65	4.42	4.43	4.85
2. Did the instructor seem interested in the subject	2	0	0	0	0	2	11	4.85	636/1407	4.85	4.89	4.69	4.67	4.85
3. Was lecture material presented and explained clearly	2	0	0	0	0	5	8	4.62	445/1399	4.62	4.54	4.26	4.27	4.62
4. Did the lectures contribute to what you learned	2	0	0	0	0	2	11	4.85	208/1400	4.85	4.68	4.27	4.28	4.85
5. Did audiovisual techniques enhance your understanding	2	2	0	0	1	6	4	4.27	426/1179	4.27	3.95	3.96	4.02	4.27
Discussion														
1. Did class discussions contribute to what you learned	б	0	0	0	1	1	7	4.67	264/1262	4.67	4.31	4.05	4.14	4.67
2. Were all students actively encouraged to participate	6	0	0	0	1	⊥ 3	5	4.67	643/1259	4.67	4.43	4.05	4.14	4.67
3. Did the instructor encourage fair and open discussion	6	0	0	0	1	3 1	с 7	4.44	457/1259	4.44	4.43	4.29	4.34	4.44
4. Were special techniques successful	6	7	0	0	1 1	⊥ 1	0		****/ 788	4.07	4.54	4.30	4.34	4.0/
4. Were special techniques successful	0	/	0	0	T	T	0	3.50	/ / / / / / / / / / / / / / / / / / / /		4.10	4.00	4.07	
Laboratory														
1. Did the lab increase understanding of the material	14	0	0	0	0	0	1	5.00	****/ 246	* * * *	* * * *	4.20	4.20	* * * *
2. Were you provided with adequate background information	14	0	0	0	0	0	1	5.00	****/ 249	* * * *	* * * *	4.11	4.23	* * * *
3. Were necessary materials available for lab activities	14	0	0	0	0	0	1	5.00	****/ 242	* * * *	* * * *	4.40	4.36	* * * *
4. Did the lab instructor provide assistance	14	0	0	0	0	0	1	5.00	****/ 240	* * * *	* * * *	4.20	3.96	* * * *
-														
Field Work														
1. Did field experience contribute to what you learned	14	0	0	0	0	0	1	5.00	****/ 59	* * * *	* * * *	4.30	4.48	* * * *
2. Did you clearly understand your evaluation criteria	14	0	0	0	0	0	1	5.00	****/ 51	* * * *	* * * *	4.00	4.13	* * * *
Self Paced		-	_	-	_	-	_							
1. Did self-paced system contribute to what you learned	14	0	0	0	0	0	1		****/ 55	****	* * * *	4.55	4.88	* * * *
2. Did study questions make clear the expected goal	14	0	0	0	0	1	0	4.00	****/ 31	****	* * * *	4.75	4.67	* * * *
3. Were your contacts with the instructor helpful	14	0	0	0	0	0	1	5.00	****/ 51	* * * *	* * * *	4.65	4.88	* * * *

Credits Ea	arned	Cum. GPA		Expected	d Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	A	10	Required for Majors	1	Graduate	0	Major	3
28-55	0	1.00-1.99	0	В	3						
56-83	4	2.00-2.99	2	С	0	General	5	Under-grad	15	Non-major	12
84-150	6	3.00-3.49	5	D	0						
Grad.	0	3.50-4.00	4	F	0	Electives	1	#### - Means	there	are not enough	n
				P	0			responses to	be sig	gnificant	
				I	0	Other	б	-			
				?	0						

Student Course Evaluation Questionnaire

					-	ncies	3		Inst	ructor	Course	-	UMBC		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	1	5	20	4.73	316/1481	4.73	4.56	4.29	4.29	4.73
	Did the instructor make clear the expected goals	0	0	0	0	1	2	23	4.85	155/1481	4.85	4.57	4.23	4.23	4.85
	Did the exam questions reflect the expected goals	0	0	0	0	0	1	25	4.96	57/1249	4.96	4.70	4.27	4.28	4.96
4.	Did other evaluations reflect the expected goals	0	0	0	0	0	4	22	4.85	161/1424	4.85	4.55	4.21	4.27	4.85
5.	Did assigned readings contribute to what you learned	0	0	0	0	1	7	18	4.65	201/1396	4.65	4.25	3.98	4.00	4.65
б.	Did written assignments contribute to what you learned	1	1	0	0	0	7	17	4.71	158/1342	4.71	4.41	4.07	4.12	4.71
7.	Was the grading system clearly explained	1	0	0	0	0	2	23	4.92	81/1459	4.92	4.50	4.16	4.17	4.92
8.	How many times was class cancelled	1	0	0	0	0	1	24	4.96	281/1480	4.96	4.48	4.68	4.65	4.96
9.	How would you grade the overall teaching effectiveness	6	0	0	0	0	7	13	4.65	224/1450	4.65	4.46	4.09	4.10	4.65
1	Lecture	~	0	0	~	~	-	1.0	4 5 2	450/1400	4 7 2	4 65	4 4 0	4 4 2	4 7 2
	Were the instructor's lectures well prepared	0	0	0	0	0	1	19	4.73	450/1409	4.73	4.65	4.42	4.43	4.73
	Did the instructor seem interested in the subject	0	0	0	0	0	1	25	4.96	200/1407	4.96	4.89	4.69	4.67	4.96
	Was lecture material presented and explained clearly	0	0	0	0	2	2	22	4.77	256/1399	4.77	4.54	4.26	4.27	4.77
	Did the lectures contribute to what you learned	0	0	0	0 0	0	1	25	4.96	59/1400	4.96	4.68	4.27	4.28	4.96
5.	Did audiovisual techniques enhance your understanding	0	17	2	0	2	T	4	3.56	877/1179	3.56	3.95	3.96	4.02	3.56
	Discussion														
1.	Did class discussions contribute to what you learned	8	0	0	0	0	б	12	4.67	264/1262	4.67	4.31	4.05	4.14	4.67
2.	Were all students actively encouraged to participate	8	0	0	0	0	1	17	4.94	127/1259	4.94	4.43	4.29	4.34	4.94
3.	Did the instructor encourage fair and open discussion	8	0	0	0	0	1	17	4.94	130/1256	4.94	4.54	4.30	4.34	4.94
4.	Were special techniques successful	8	2	0	0	1	4	11	4.63	145/ 788	4.63	4.16	4.00	4.07	4.63
	Tabaaabaaaa														
1	Laboratory	25	0	0	0	0	0	1	F 00	++++/ 046	* * * *	* * * *	1 20	1 20	* * * *
	Did the lab increase understanding of the material		0	0	-	0	0	1		****/ 246	****	****	4.20	4.20	****
	Were you provided with adequate background information	25 25	0	0	0	0	0	1		****/ 249 ****/ 242	****	****	4.11	4.23	****
3.	Were necessary materials available for lab activities	25	0	0	0	0	0	T	5.00	~~~/ 242	~ ~ ~ ~	~ ~ ~ ~	4.40	4.36	~ ~ ~ ~
	Seminar														
1.	Were assigned topics relevant to the announced theme	25	0	0	0	0	0	1	5.00	****/ 68	* * * *	5.00	4.49	4.70	* * * *
2.	Was the instructor available for individual attention	25	0	0	0	0	0	1	5.00	****/ 69	* * * *	5.00	4.53	4.66	* * * *
3.	Did research projects contribute to what you learned	25	0	0	0	0	0	1	5.00	****/ 63	* * * *	* * * *	4.44	4.56	* * * *
4.	Did presentations contribute to what you learned	25	0	0	0	0	0	1	5.00	****/ 69	* * * *	* * * *	4.35	4.48	* * * *
5.	Were criteria for grading made clear	25	0	0	0	0	0	1	5.00	****/ 68	****	* * * *	3.92	4.43	* * * *

Credits E	arned	Cum. GPA		Expecte	d Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	A	13	Required for Majors	2	Graduate	1	Major	9
28-55	2	1.00-1.99	0	В	5						
56-83	5	2.00-2.99	6	C	1	General	3	Under-grad	25	Non-major	17
84-150	6	3.00-3.49	5	D	0						
Grad.	1	3.50-4.00	7	F	0	Electives	1	#### - Means	there	are not enough	n
				P	0			responses to	be si	gnificant	
				I	0	Other	16	_			
				?	2						

Student Course Evaluation Questionnaire

			Fre	equer	ncies	3		Inst	ructor	Course	Dept	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	0	1	6	4.86	196/1481	4.86	4.56	4.29	4.29	4.86
2. Did the instructor make clear the expected goals	0	0	0	0	0	2	5	4.71	264/1481	4.71	4.57	4.23	4.23	4.71
3. Did the exam questions reflect the expected goals	0	0	0	2	0	0	5	4.14	824/1249	4.14	4.70	4.27	4.28	4.14
4. Did other evaluations reflect the expected goals	0	1	1	0	0	1	4	4.17	840/1424	4.17	4.55	4.21	4.27	4.17
5. Did assigned readings contribute to what you learned	0	0	1	1	2	1	2	3.29	1188/1396	3.29	4.25	3.98	4.00	3.29
6. Did written assignments contribute to what you learned	0	1	0	0	0	4	2	4.33	474/1342	4.33	4.41	4.07	4.12	4.33
7. Was the grading system clearly explained	0	0	0	0	0	2	5	4.71	224/1459	4.71	4.50	4.16	4.17	4.71
8. How many times was class cancelled	0	0	0	0	0	5	2	4.29	1193/1480	4.29	4.48	4.68	4.65	4.29
9. How would you grade the overall teaching effectiveness	3	0	0	0	0	1	3	4.75	164/1450	4.75	4.46	4.09	4.10	4.75
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	7	5.00	1/1409	5.00	4.65	4.42	4.43	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	1	6	4.86	614/1407	4.86	4.89	4.69	4.67	4.86
3. Was lecture material presented and explained clearly	0	0	1	0	0	1	5	4.29	801/1399	4.29	4.54	4.26	4.27	4.29
4. Did the lectures contribute to what you learned	0	0	0	1	0	0	б	4.57	521/1400	4.57	4.68	4.27	4.28	4.57
5. Did audiovisual techniques enhance your understanding	0	1	0	0	3	1	2	3.83	739/1179	3.83	3.95	3.96	4.02	3.83
Discussion														
	1	0	0	2	0	1	2	3.83	842/1262	2 0 2	4.31	4.05	4.14	2 0 2
1. Did class discussions contribute to what you learned	1	0	0 2	2	1	1	3	5.05						3.83
2. Were all students actively encouraged to participate	1	0	2 2	0 0	2 1	3	1		1195/1259 1200/1256	2.83 2.83	4.43 4.54	4.29 4.30	4.34 4.34	2.83
3. Did the instructor encourage fair and open discussion	1	U	2	0	2	1	1							∠.83 ****
4. Were special techniques successful	T	5	U	U	U	U	T	5.00	****/ 788		4.16	4.00	4.07	

Credits Ea	arned	Cum. GPA		Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	A	4	Required for Majors	0	Graduate	0	Major	0
28-55	0	1.00-1.99	0	В	3						
56-83	2	2.00-2.99	3	С	0	General	4	Under-grad	7	Non-major	7
84-150	2	3.00-3.49	1	D	0						
Grad.	0	3.50-4.00	1	F	0	Electives	1	#### - Means	there	are not enough	L
				P	0			responses to	be sig	gnificant	
				I	0	Other	2	_			
				?	0						

Student Course Evaluation Questionnaire

			Fre	equei	ncies	3		Inst	ructor	Course	Dept	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	2	0	5	11	4.39	698/1481	* * * *	4.74	4.29	4.14	4.39
2. Did the instructor make clear the expected goals	0	0	0	0	3	1	14	4.61	386/1481	* * * *	4.64	4.23	4.18	4.61
3. Did the exam questions reflect the expected goals	0	14	0	0	0	1	3	4.75	****/1249	* * * *	4.58	4.27	4.14	* * * *
4. Did other evaluations reflect the expected goals	0	2	0	0	2	1	13	4.69	271/1424	* * * *	4.56	4.21	4.06	4.69
5. Did assigned readings contribute to what you learned	0	0	0	1	2	4	11	4.39	395/1396	* * * *	4.48	3.98	3.89	4.39
6. Did written assignments contribute to what you learned	0	0	0	1	2	3	12	4.44	364/1342	* * * *	4.20	4.07	3.88	4.44
7. Was the grading system clearly explained	0	0	0	1	1	2	14	4.61	332/1459	* * * *	4.50	4.16	4.17	4.61
8. How many times was class cancelled	0	0	0	0	0	1	17	4.94	421/1480	* * * *	4.53	4.68	4.64	4.94
9. How would you grade the overall teaching effectiveness	1	0	0	1	1	б	9	4.35	525/1450	* * * *	4.56	4.09	3.97	4.35
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	1	3	14	4.72	466/1409	* * * *	4.79	4.42	4.36	4.72
2. Did the instructor seem interested in the subject	0	0	0	0	0	3	15	4.83	659/1407	* * * *	4.54	4.69	4.57	4.83
3. Was lecture material presented and explained clearly	0	0	0	1	1	2	14	4.61	445/1399	* * * *	4.69	4.26	4.23	4.61
4. Did the lectures contribute to what you learned	0	0	0	1	1	1	15	4.67	421/1400	* * * *	4.78	4.27	4.19	4.67
5. Did audiovisual techniques enhance your understanding	0	1	0	0	1	2	14	4.76	129/1179	* * * *	4.38	3.96	3.85	4.76
Discussion														
1. Did class discussions contribute to what you learned	2	0	0	1	1	3	11	4.50	345/1262	* * * *	4.36	4.05	3.77	4.50
2. Were all students actively encouraged to participate	2	0	Ő	0	2	2	12	4.63	489/1259	* * * *	4.67	4.29	4.06	4.63
3. Did the instructor encourage fair and open discussion	2	0	1	0	1	1	13	4.56	538/1256	* * * *	4.62	4.30	4.08	4.56
4. Were special techniques successful	2	13	0	1	0	0	2		****/ 788	* * * *	4.32	4.00	3.80	* * * *

Credits Ea	arned	Cum. GPA		Expecte	d Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	А А	15	Required for Majors	1	Graduate	0	Major	0
28-55	2	1.00-1.99	0	В	1						
56-83	4	2.00-2.99	1	C	0	General	10	Under-grad	18	Non-major	18
84-150	7	3.00-3.49	3	D	0						
Grad.	0	3.50-4.00	9	F	0	Electives	2	#### - Means	there	are not enough	n
				P	1			responses to	be sig	gnificant	
				I	0	Other	3	_			
				?	0						

Student Course Evaluation Questionnaire

			Fre	equer	ncies	5		Instr	uctor	Course	Dept	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	0	0	1	5.00	1/1481	5.00	4.56	4.29	4.45	5.00
2. Did the instructor make clear the expected goals	0	0	0	0	0	0	1	5.00	1/1481	5.00	4.57	4.23	4.32	5.00
3. Did the exam questions reflect the expected goals	0	0	0	0	0	0	1	5.00	1/1249	5.00	4.70	4.27	4.44	5.00
4. Did other evaluations reflect the expected goals	0	0	0	0	0	0	1	5.00	1/1424	5.00	4.55	4.21	4.35	5.00
5. Did assigned readings contribute to what you learned	0	0	0	0	0	0	1	5.00	1/1396	5.00	4.25	3.98	4.09	5.00
6. Did written assignments contribute to what you learned	0	0	0	0	0	0	1	5.00	1/1342	5.00	4.41	4.07	4.21	5.00
7. Was the grading system clearly explained	0	0	0	0	0	0	1	5.00	1/1459	5.00	4.50	4.16	4.25	5.00
8. How many times was class cancelled	0	0	0	0	0	0	1	5.00	1/1480	5.00	4.48	4.68	4.74	5.00
9. How would you grade the overall teaching effectiveness	0	0	0	0	0	0	1	5.00	1/1450	5.00	4.46	4.09	4.28	5.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	1	5.00	1/1409	5.00	4.65	4.42	4.51	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	1	5.00	1/1407	5.00	4.89	4.69	4.79	5.00
3. Was lecture material presented and explained clearly	0	0	Ő	0	0	0	1	5.00	1/1399	5.00	4.54	4.26	4.36	5.00
4. Did the lectures contribute to what you learned	0	0	0	0	0	0	1	5.00	1/1400	5.00	4.68	4.27	4.38	5.00
5. Did audiovisual techniques enhance your understanding	0	0	0	0	0	0	1	5.00	1/1179		3.95	3.96	4.07	5.00
Discussion														
1. Did class discussions contribute to what you learned	0	0	0	0	0	0	1	5.00	1/1262	5.00	4.31	4.05	4.33	5.00
Were all students actively encouraged to participate	0	0	0	0	0	0	1	5.00	1/1259	5.00	4.43	4.29	4.57	5.00
3. Did the instructor encourage fair and open discussion	0	0	0	0	0	0	1	5.00	1/1256	5.00	4.54	4.30	4.60	5.00
4. Were special techniques successful	0	0	0	0	0	0	1	5.00	1/ 788	5.00	4.16	4.00	4.26	5.00

Credits Ea	arned	Cum. GPA	L L	Expected	d Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	А	0	Required for Majors	0	Graduate	0	Major	0
28-55	0	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	0	C	0	General	0	Under-grad	1	Non-major	1
84-150	0	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	0	F	0	Electives	0	#### - Means	there	are not enough	L
				P	0			responses to	be sig	gnificant	
				I	0	Other	1	-			
				?	0						

Student Course Evaluation Questionnaire

Ouestions		NA	Fre 1	equer 2	ncies 3	5 4	5	Instru	uctor Rank	Course	-	UMBC Mean	Level	Sect
Questions	NR	NA			3	4		Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	0	1	5.00	1/1481	5.00	4.56	4.29	4.45	5.00
2. Did the instructor make clear the expected goals	0	0	0	0	0	0	1	5.00	1/1481	5.00	4.57	4.23	4.32	5.00
4. Did other evaluations reflect the expected goals	0	0	0	0	0	0	1	5.00	1/1424	5.00	4.55	4.21	4.35	5.00
5. Did assigned readings contribute to what you learned	0	0	0	0	0	0	1	5.00	1/1396	5.00	4.25	3.98	4.09	5.00
6. Did written assignments contribute to what you learned	0	0	0	0	0	0	1	5.00	1/1342	5.00	4.41	4.07	4.21	5.00
8. How many times was class cancelled	0	0	0	0	0	0	1	5.00	1/1480	5.00	4.48	4.68	4.74	5.00
9. How would you grade the overall teaching effectiveness	0	0	0	0	0	0	1	5.00	1/1450	5.00	4.46	4.09	4.28	5.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	1	5.00	1/1409	5.00	4.65	4.42	4.51	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	1	5.00	1/1407	5.00	4.89	4.69	4.79	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	0	1	5.00	1/1399	5.00	4.54	4.26	4.36	5.00
4. Did the lectures contribute to what you learned	0	0	0	0	0	0	1	5.00	1/1400	5.00	4.68	4.27	4.38	5.00

Credits Earned		rned Cum. GPA			l Grades	Reasons		Туре	Majors		
00-27	00-27 0		0	А А	0	Required for Majors	0	Graduate	0	Major	1
28-55	0	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	0	C	0	General	0	Under-grad	1	Non-major	0
84-150	1	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	1	F	0	Electives	0	#### - Means	there	are not enough	ı
				P	0			responses to	be sig	gnificant	
				I	0	Other	1	_			
				?	0						

Student Course Evaluation Questionnaire

			Frequencies				Inst	ructor	Course	Dept	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	3	4	10	4.41	665/1481	4.41	4.56	4.29	4.45	4.41
2. Did the instructor make clear the expected goals	0	0	0	1	3	3	10	4.29	779/1481	4.29	4.57	4.23	4.32	4.29
3. Did the exam questions reflect the expected goals	1	9	0	0	0	0	7	5.00	1/1249	5.00	4.70	4.27	4.44	5.00
4. Did other evaluations reflect the expected goals	0	2	0	0	1	4	10	4.60	334/1424	4.60	4.55	4.21	4.35	4.60
5. Did assigned readings contribute to what you learned	0	0	0	0	0	4	13	4.76	131/1396	4.76	4.25	3.98	4.09	4.76
6. Did written assignments contribute to what you learned	0	3	0	0	0	5	9	4.64	206/1342	4.64	4.41	4.07	4.21	4.64
7. Was the grading system clearly explained	1	0	0	0	2	1	13	4.69	253/1459	4.69	4.50	4.16	4.25	4.69
8. How many times was class cancelled	0	0	0	0	0	7	10	4.59	1006/1480	4.59	4.48	4.68	4.74	4.59
9. How would you grade the overall teaching effectiveness	3	0	0	1	2	4	7	4.21	672/1450	4.21	4.46	4.09	4.28	4.21
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	1	٥	q	7	4 29	1007/1409	4.29	4.65	4.42	4.51	4.29
2. Did the instructor seem interested in the subject	0	0	0	1	1	2	13		1046/1407		4.89	4.69	4.79	4.59
3. Was lecture material presented and explained clearly	0	0	0	0	3	5	- 9	4.35	733/1399		4.54	4.26	4.36	4.35
4. Did the lectures contribute to what you learned	0	0	0	1	1	4	11	4.47	624/1400		4.68	4.27	4.38	4.47
5. Did audiovisual techniques enhance your understanding	0	13	1	0	0	3	0		****/1179		3.95	3.96	4.07	****
5. Dia adalovibaal cecimiques cimanee your anacistanaing	0	10	-	0	0	5	Ŭ	5.25	, 11, 5		5.75	5.90	1.07	
Discussion														
1. Did class discussions contribute to what you learned	2	0	0	0	1	9	5	4.27	563/1262	4.27	4.31	4.05	4.33	4.27
2. Were all students actively encouraged to participate		0	0	1	0	2	12	4.67	451/1259	4.67	4.43	4.29	4.57	4.67
3. Did the instructor encourage fair and open discussion		0	0	0	0	0	15	5.00	1/1256	5.00	4.54	4.30	4.60	5.00
4. Were special techniques successful	2	13	0	0	1	1	0	3.50	****/ 788	* * * *	4.16	4.00	4.26	* * * *

Credits Ea	arned	Cum. GPA		Expected	l Grades	Reasons		Туре	Majors				
00-27	0	0.00-0.99	0	А	8	Required for Majors	1	Graduate	0	Major	6		
28-55	0	1.00-1.99	0	В	б								
56-83	4	2.00-2.99	4	С	1	General	3	Under-grad	17	Non-major	11		
84-150	8	3.00-3.49	4	D	0								
Grad.	0	3.50-4.00	4	F	0	Electives	1	#### - Means there are not enough					
				P	0			responses to	be sig	gnificant			
				I	0	Other	10						
				?	1								

Student Course Evaluation Questionnaire

			Fre	equer	ncies	3		Inst	ructor	Course	Dept	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	0	0	5	5.00	1/1481	5.00	4.56	4.29	4.45	5.00
2. Did the instructor make clear the expected goals	0	0	0	0	0	0	5	5.00	1/1481	5.00	4.57	4.23	4.32	5.00
3. Did the exam questions reflect the expected goals	1	1	0	0	0	0	3	5.00	1/1249	5.00	4.70	4.27	4.44	5.00
4. Did other evaluations reflect the expected goals	0	1	0	0	0	0	4	5.00	1/1424	5.00	4.55	4.21	4.35	5.00
5. Did assigned readings contribute to what you learned	0	0	0	0	0	1	4	4.80	111/1396	4.80	4.25	3.98	4.09	4.80
6. Did written assignments contribute to what you learned	0	0	0	0	0	0	5	5.00	1/1342	5.00	4.41	4.07	4.21	5.00
7. Was the grading system clearly explained	0	0	0	0	0	0	5	5.00	1/1459	5.00	4.50	4.16	4.25	5.00
8. How many times was class cancelled	0	0	0	0	0	0	5	5.00	1/1480	5.00	4.48	4.68	4.74	5.00
9. How would you grade the overall teaching effectiveness	0	0	0	0	0	0	5	5.00	1/1450	5.00	4.46	4.09	4.28	5.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	5	5.00	1/1409	5.00	4.65	4.42	4.51	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	5	5.00	1/1407	5.00	4.89	4.69	4.79	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	1	4	4.80	212/1399	4.80	4.54	4.26	4.36	4.80
4. Did the lectures contribute to what you learned	0	0	0	0	0	0	5	5.00	1/1400	5.00	4.68	4.27	4.38	5.00
Discussion														
1. Did class discussions contribute to what you learned	3	0	0	0	0	0	2	5.00	1/1262	5.00	4.31	4.05	4.33	5.00
2. Were all students actively encouraged to participate	4	Ő	Ő	Ő	0	0	1		****/1259	****	4.43	4.29	4.57	****
3. Did the instructor encourage fair and open discussion	4	0	0	0	0	0	1		****/1256	* * * *	4.54	4.30	4.60	* * * *
Seminar														
1. Were assigned topics relevant to the announced theme	1	0	0	0	0	0	Δ	5.00	1/ 68	5.00	5.00	4.49	4.68	5.00
2. Was the instructor available for individual attention	1	2	0	0	0	0	2	5.00	1/ 69	5.00	5.00	4.53	4.64	5.00
4. Did presentations contribute to what you learned	1	3	0	0	0	0	1		****/ 69	****	****	4.35	4.53	****
5. Were criteria for grading made clear			0	0	0	0	1		****/ 68	* * * *	* * * *	3.92	4.10	* * * *
	-	3	Ũ	Ũ	0	Ũ	-	2.00	, 00			5.24	1.10	

Credits E	arned	Cum. GPA	Expected	d Grades	Reasons		Туре	Majors					
00-27	0	0.00-0.99	0	A	2	Required for Majors	1	Graduate	0	Major	4		
28-55	0	1.00-1.99	0	В	3								
56-83	0	2.00-2.99	1	С	0	General		Under-grad	5	Non-major	1		
84-150	2	3.00-3.49	0	D	0								
Grad.	0	3.50-4.00	1	F	0	Electives	0	#### - Means	there	are not enough			
				P	0			responses to	be sig	gnificant			
				I	0	Other	1	1					
				?	0								

Student Course Evaluation Questionnaire

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n Mean
5 4.82
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4 4.60
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9 4.76
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5 4.31
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9 5.00
5 4.41
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7 ****
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5 4 8 1 9 5 8 7 3 7 0

Credits Ea	arned	Cum. GPA	L L	Expected	l Grades	Reasons		Туре	Majors		
00-27	0	0.00-0.99	0	A	10	Required for Majors	1	Graduate	Graduate 0		9
28-55	0	1.00-1.99	0	В	6						
56-83	3	2.00-2.99	3	С	0	General	7	Under-grad	17	Non-major	8
84-150	8	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	8	F	0	Electives	2	#### - Means	there	are not enough	
				P	0			responses to	be sig	nificant	
			I O		0	Other	12	-			
				?	1						

Student Course Evaluation Questionnaire

		Frequencies				Instructor		Course	Dept	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	0	1	14	4.93	111/1481	4.93	4.56	4.29	4.45	4.93
2. Did the instructor make clear the expected goals	0	0	0	0	0	2	13	4.87	142/1481	4.87	4.57	4.23	4.32	4.87
3. Did the exam questions reflect the expected goals	0	0	0	0	1	1	13	4.80	203/1249	4.80	4.70	4.27	4.44	4.80
4. Did other evaluations reflect the expected goals	0	2	0	0	2	2	9	4.54	406/1424	4.54	4.55	4.21	4.35	4.54
5. Did assigned readings contribute to what you learned	1	0	0	0	1	3	10	4.64	209/1396	4.64	4.25	3.98	4.09	4.64
6. Did written assignments contribute to what you learned	1	0	0	1	1	1	11	4.57	257/1342	4.57	4.41	4.07	4.21	4.57
7. Was the grading system clearly explained	1	0	0	0	1	3	10	4.64	298/1459	4.64	4.50	4.16	4.25	4.64
8. How many times was class cancelled	1	0	0	0	0	4	10	4.71	912/1480	4.71	4.48	4.68	4.74	4.71
9. How would you grade the overall teaching effectiveness	2	0	0	0	0	1	12	4.92	79/1450	4.92	4.46	4.09	4.28	4.92
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	1	1	13	4.80	334/1409	4.80	4.65	4.42	4.51	4.80
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	15	5.00	1/1407	5.00	4.89	4.69	4.79	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	1	1	13	4.80	212/1399	4.80	4.54	4.26	4.36	4.80
4. Did the lectures contribute to what you learned	0	0	0	0	0	2	13	4.87	187/1400	4.87	4.68	4.27	4.38	4.87
5. Did audiovisual techniques enhance your understanding	0	8	0	0	3	0	4	4.14	526/1179	4.14	3.95	3.96	4.07	4.14
Discussion														
1. Did class discussions contribute to what you learned	5	0	0	0	2	0	Q	4.60	295/1262	4.60	4.31	4.05	4.33	4.60
2. Were all students actively encouraged to participate	5	0	0	0	0	3	7	4.70	422/1259	4.70	4.43	4.29	4.57	4.70
3. Did the instructor encourage fair and open discussion	5	0	0	0	0	0	10	5.00	1/1256	5.00	4.54	4.30	4.60	5.00
4. Were special techniques successful	5	7	0	0	0	1	2		****/ 788		4.16	4.00	4.26	****
1. Mere special coomingues successial	5	,	0	0	0	Ŧ	2	1.07	, ,00		1.10	1.00	1.20	
Seminar														
1. Were assigned topics relevant to the announced theme		0	0	0	0	0	1	5.00	****/ 68	* * * *	5.00	4.49	4.68	* * * *
4. Did presentations contribute to what you learned	14	0	0	0	0	0	1	5.00	****/ 69	* * * *	* * * *	4.35	4.53	* * * *
5. Were criteria for grading made clear		0	0	0	0	0	1	5.00	****/ 68	* * * *	* * * *	3.92	4.10	* * * *

Credits E	arned	ned Cum. GPA			ed Grades	Reasons		Туре	Majors		
00-27	1	0.00-0.99	0	A	11	Required for Majors	0	Graduate	0	Major	4
28-55	0	1.00-1.99	1	В	3						
56-83	2	2.00-2.99	0	C	0	General	4	Under-grad	15	Non-major	11
84-150	2	3.00-3.49	4	D	0						
Grad.	0	3.50-4.00	6	F	0	Electives	1	#### - Means	there	are not enough	n
				P	0			responses to	be sig	gnificant	
				I	0	Other	10				
				?	1						