## 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
General						-			0000					
1. Did you gain new insights, skills from this course	0	0	0	0	0	1	9	4.90	206/1670	4.90		4.31	4.24	4.90
2. Did the instructor make clear the expected goals	0	0	0 0	0 0	1 2	2 5	7 3	4.60	490/1666	4.60	4.36	4.27	4.18	4.60
3. Did the exam questions reflect the expected goals	0	0	0	0		5 5	-	4.10	997/1406	4.10		4.32	4.22	4.10
4. Did other evaluations reflect the expected goals 5. Did assigned readings contribute to what you learned	1	0	0	0	1 2	5 2	3 6	4.22 4.40	910/1615 491/1566	4.22 4.40	4.42	4.24 4.07	4.18 4.04	4.22 4.40
	0	5	0	0 2	2 0	∠ 3	6				4.14		4.04	4.40
6. Did written assignments contribute to what you learned	0 0	5 0	0	∠ 0	3	3 5	2		1413/1528	3.20 3.90	4.26	4.12		
7. Was the grading system clearly explained 8. How many times was class cancelled	0	0	0	0	3 1	5 3	-		1278/1650 1157/1667		4.46 4.68	4.22 4.67	4.12 4.67	3.90 4.50
<ol> <li>How many times was class cancelled</li> <li>How would you grade the overall teaching effectiveness</li> </ol>	3	0	0	0	0	3 4	о З		531/1626			4.67		4.50
9. How would you grade the overall teaching effectiveness	2	0	0	0	0	4	5	4.43	531/1020	4.43	4.19	4.11	4.00	4.45
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	0	1	8	4.89	307/1559	4.89	4.60	4.46	4.40	4.89
2. Did the instructor seem interested in the subject	1	0	0	0	0	0	9	5.00	1/1560	5.00	4.72	4.72	4.67	5.00
3. Was lecture material presented and explained clearly	1	0	0	0	1	2	б	4.56	622/1549	4.56	4.58	4.31	4.25	4.56
4. Did the lectures contribute to what you learned	1	0	0	0	0	1	8	4.89	253/1546	4.89	4.49	4.32	4.24	4.89
5. Did audiovisual techniques enhance your understanding	1	0	0	2	0	2	5	4.11	648/1323	4.11	4.39	4.00	3.99	4.11
Discussion														
1. Did class discussions contribute to what you learned	5	0	0	0	1	0	4	4.60	372/1384	4.60	4.60	4.10	4.12	4.60
2. Were all students actively encouraged to participate	5	0	0	0	0	2	3	4.60	525/1378	4.60	4.58	4.29	4.30	4.60
3. Did the instructor encourage fair and open discussion	5	0	0	0	0	1	4	4.80	386/1378	4.80	4.65	4.31	4.33	4.80
4. Were special techniques successful	5	0	0	0	0	3	2	4.40	289/ 904	4.40	4.51	4.03	4.03	4.40
Laboratory														
Laboratory 1. Did the lab increase understanding of the material	8	0	0	0	0	1	1	1 50	****/ 232	* * * *	5.00	4.19	4.04	* * * *
2. Were you provided with adequate background information	9	0	0	0	0	1	0		****/ 239	* * * *	4.50	4.19	3.99	* * * *
3. Were necessary materials available for lab activities	9	0	0	0	0	1	0		****/ 230	* * * *	5.00	4.44	4.25	* * * *
4. Did the lab instructor provide assistance	9	0	0	0	0	1	0		****/ 231	* * * *		4.31	4.11	* * * *
4. Did the lab instructor provide assistance	9	0	0	0	0	Т	0	4.00	231		5.00	4.31	4.11	
Seminar														
5. Were criteria for grading made clear	9	0	0	0	0	1	0	4.00	****/ 80	* * * *	3.97	3.97	3.76	* * * *
Field Work														
1. Did field experience contribute to what you learned	9	0	0	0	0	1	0	1.00	****/ 41	* * * *	4.97	4.50	4.44	* * * *
2. Did you clearly understand your evaluation criteria	9	0	0	0	0	1	0	4.00	****/ 38	* * * *	4.55	4.19	3.96	* * * *
3. Was the instructor available for consultation	9	0	0	0	0	1	0		****/ 38	* * * *	4.49	4.62	4.68	* * * *
4. To what degree could you discuss your evaluations	9	0	0	0	0	1	0	4.00	****/ 39	* * * *	4.45	4.27	4.38	* * * *
Self Paced														
1. Did self-paced system contribute to what you learned	8	0	0	0	0	2	0	4 00	****/ 28	* * * *	* * * *	4.64	3.33	* * * *
<ol> <li>Did self-paced system contribute to what you learned</li> <li>Did study questions make clear the expected goal</li> </ol>		0	0	0	0	2	0		****/ 16	* * * *	* * * *	4.67	4.00	* * * *
3. Were your contacts with the instructor helpful			0	0	1	1	0	3.50	****/ 27	* * * *	* * * *	4.54	2.63	* * * *
4. Was the feedback/tutoring by proctors helpful	8 8	0 0	0	0	1	1	0	3.50	****/ 10	* * * *	* * * *	4.84	****	* * * *
5. Were there enough proctors for all the students	8	0	0	0	1	1	0		****/ 6	* * * *	* * * *	4.92	* * * *	* * * *
J. Here energe enough proceers for all the studelles	0	U	0	0	1	т	U	5.50	/ 0			1.94		

Course-Section: EHS 302 0101	University of Maryland	Page 641
Title CLINCL CONCEPTS/PRACTI	Baltimore County	AUG 6, 2008
Instructor: FAYER, MICHAEL	Spring 2008	Job IRBR3029
Enrollment: 13		
Questionnaires: 10	Student Course Evaluation Questionnaire	

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

## 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	1	0	0	0	0	2	8	4.80	300/1670	4.80	4.46	4.31	4.24	4.80
2. Did the instructor make clear the expected goals	1	0	0	1	0	2	7	4.50	622/1666	4.50	4.36	4.27	4.18	4.50
3. Did the exam questions reflect the expected goals	1	6	0	0	1	1	2	4.25	876/1406	4.25	4.54	4.32	4.22	4.25
4. Did other evaluations reflect the expected goals	1	2	1	0	2	0	5	4.00	1083/1615	4.00	4.42	4.24	4.18	4.00
5. Did assigned readings contribute to what you learned	1	6	0	0	2	1	1	3.75	1144/1566	3.75	4.14	4.07	4.04	3.75
6. Did written assignments contribute to what you learned	1	0	0	0	2	2	6	4.40	560/1528	4.40	4.26	4.12	4.07	4.40
7. Was the grading system clearly explained	1	0	0	0	0	2	8	4.80	229/1650	4.80	4.46	4.22	4.12	4.80
8. How many times was class cancelled	1	0	0	0	0	8	2	4.20	1409/1667	4.20	4.68	4.67	4.67	4.20
9. How would you grade the overall teaching effectiveness	3	1	0	0	0	2	5	4.71	239/1626	4.71	4.19	4.11	4.06	4.71
Lecture														
1. Were the instructor's lectures well prepared	3	0	0	0	0	3	5	4.63	739/1559	4.63	4.60	4.46	4.40	4.63
2. Did the instructor seem interested in the subject	4	0	0	0	0	2	5		1023/1560	4.71	4.72	4.72	4.67	4.71
3. Was lecture material presented and explained clearly	4	0	0	0	0	2	5	4.71	424/1549	4.71	4.58	4.31	4.25	4.71
4. Did the lectures contribute to what you learned	4	0	0	0	1	1	5	4.57	631/1546	4.57	4.49	4.32	4.24	4.57
5. Did audiovisual techniques enhance your understanding	4	0	0	0	2	1	4	4.29	522/1323	4.29	4.39	4.00	3.99	4.29
Discussion														
1. Did class discussions contribute to what you learned	6	0	0	0	0	2	٦	4.60	372/1384	4.60	4.60	4.10	4.12	4.60
2. Were all students actively encouraged to participate	6	0	Ő	0	0	4	1	4.20	894/1378	4.20	4.58	4.29	4.30	4.20
3. Did the instructor encourage fair and open discussion	6	Ő	0	0	0	2	3	4.60	590/1378	4.60	4.65	4.31	4.33	4.60
4. Were special techniques successful	6	2	0	0	1	1	1	4.00	461/ 904		4.51	4.03	4.03	4.00
Seminar														
1. Were assigned topics relevant to the announced theme	3	0	0	0	0	2	c	4.75	56/ 87	4.75	4.88	4.65	4.30	4.75
2. Was the instructor available for individual attention	3 4	4	0	0	0 1	2	6 2	4.75	56/ 8/ 62/ 79	4.75	4.88	4.65	4.30	4.75
3. Did research projects contribute to what you learned	4	5	0	0	⊥ 1	0	∠ 1		****/ 75	4.33	4.33	4.64	4.53	4.33 ****
4. Did presentations contribute to what you learned	4	1	0	0	1	1	1 4	4.00	45/79	4.50	4.53	4.45	4.50	4.50
5. Were criteria for grading made clear		2	0	0	⊥ 1	⊥ ∩		4.50	25/ 80	4.50	4.50	4.45	3.76	4.50
J. WELE CITCELLA TOL GLAUING MAUE CLEAL	7	2	U	U	т	U	ч	1.00	25/ 00	4.00	5.91	3.91	3.70	4.00

Credits Earned Cum. GPA			Expected	Grades	Reasons		Туре		Majors		
00-27	2	0.00-0.99	0	A	8	Required for Majors	1	Graduate	0	Major	7
28-55	1	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	1	С	0	General	5	Under-grad 1	11	Non-major	4
84-150	2	3.00-3.49	1	D	0						
Grad.	0	3.50-4.00	3	F	0	Electives	2	#### – Means t	there a	re not enough	
				P	0			responses to h	be sign	ificant	
				I	0	Other	2	-			
				?	1						

## 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	1	0	0	5	4.50	665/1670	4.50	4.46	4.31	4.24	4.50
2. Did the instructor make clear the expected goals	0	0	0	1	0	0	5	4.50	622/1666	4.50	4.36	4.27	4.18	4.50
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	5	4.83	240/1406	4.83	4.54	4.32	4.22	4.83
4. Did other evaluations reflect the expected goals	0	0	0	0	0	1	5	4.83	224/1615	4.83	4.42	4.24	4.18	4.83
5. Did assigned readings contribute to what you learned	0	0	0	1	0	1	4	4.33	559/1566	4.33	4.14	4.07	4.04	4.33
6. Did written assignments contribute to what you learned	0	0	0	0	0	1	5	4.83	157/1528	4.83	4.26	4.12	4.07	4.83
7. Was the grading system clearly explained	0	0	0	0	0	2	4	4.67	361/1650	4.67	4.46	4.22	4.12	4.67
8. How many times was class cancelled	0	0	0	0	0	0	6	5.00	1/1667	5.00	4.68	4.67	4.67	5.00
9. How would you grade the overall teaching effectiveness	1	0	0	0	0	2	3	4.60	324/1626	4.60	4.19	4.11	4.06	4.60
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	6	5.00	1/1559	5.00	4.60	4.46	4.40	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	6	5.00	1/1560	5.00	4.72	4.72	4.67	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	0	6	5.00	1/1549	5.00	4.58	4.31	4.25	5.00
4. Did the lectures contribute to what you learned	0	0	0	0	0	0	6	5.00	1/1546	5.00	4.49	4.32	4.24	5.00
5. Did audiovisual techniques enhance your understanding	0	0	0	0	1	0	5	4.67	235/1323	4.67	4.39	4.00	3.99	4.67
Discussion														
1. Did class discussions contribute to what you learned	3	0	0	0	0	0	3	5.00	1/1384	5.00	4.60	4.10	4.12	5.00
2. Were all students actively encouraged to participate	3	0	0	0	0	0	3	5.00	1/1378	5.00	4.58	4.29	4.30	5.00
3. Did the instructor encourage fair and open discussion			0	0	0	0	3	5.00	1/1378	5.00	4.65	4.31	4.33	5.00
4. Were special techniques successful	3	0	0	0	0	0	3	5.00	1/ 904	5.00	4.51	4.03	4.03	5.00

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

#### Student Course Evaluation Questionnaire

				Fre	equer	ncies	5		Inst	tructor	Course	Dept	UMBC	Level	Sect
	Questions			1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
-	General					-									
	Did you gain new insights, skills from this course	0	0	0	0	1	2	13	4.75	363/1670		4.46	4.31	4.24	4.75
	Did the instructor make clear the expected goals	0	0	0	0	1	4	11	4.63	465/1666	4.63	4.36	4.27	4.18	4.63
	Did the exam questions reflect the expected goals	0	0	0	0	1	5	10	4.56	535/1406	4.56	4.54	4.32	4.22	4.56
	Did other evaluations reflect the expected goals	0	0	0	0	2	2	12	4.63	423/1615		4.42	4.24	4.18	4.63
	Did assigned readings contribute to what you learned	1	0	0	2	2	2	9	4.20	706/1566		4.14	4.07	4.04	4.20
	Did written assignments contribute to what you learned	0	2	0	2	3	1	8	4.07	859/1528	4.07	4.26	4.12	4.07	4.07
	Was the grading system clearly explained	0	0	0	0	1	5	10	4.56	485/1650		4.46	4.22	4.12	4.56
	How many times was class cancelled	0	0	0	0	0	0	16	5.00	1/1667	5.00	4.68	4.67	4.67	5.00
9.	How would you grade the overall teaching effectiveness	3	1	0	0	0	2	10	4.83	151/1626	4.79	4.19	4.11	4.06	4.79
	Lecture														
1.	Were the instructor's lectures well prepared	0	0	0	0	0	3	13	4.81	419/1559	4.81	4.60	4.46	4.40	4.81
	Did the instructor seem interested in the subject	0	0	0	0	0	1	15	4.94	417/1560	4.94	4.72	4.72	4.67	4.94
3.	Was lecture material presented and explained clearly	0	0	0	0	1	2	13	4.75	366/1549	4.75	4.58	4.31	4.25	4.75
	Did the lectures contribute to what you learned	0	0	1	0	1	1	13	4.56	643/1546	4.56	4.49	4.32	4.24	4.56
	Did audiovisual techniques enhance your understanding	0	0	1	0	1	2	12	4.50	326/1323	4.50	4.39	4.00	3.99	4.50
	Discussion														
	Did class discussions contribute to what you learned	4	0	0	1	1	1	9	4.50	434/1384		4.60	4.10	4.12	4.50
	Were all students actively encouraged to participate	4	0	1	0	1	2	8	4.33	797/1378	4.33	4.58	4.29	4.30	4.33
3.	Did the instructor encourage fair and open discussion	4	0	0	0	1	3	8	4.58	602/1378	4.58	4.65	4.31	4.33	4.58
4.	Were special techniques successful	4	1	0	0	0	3	8	4.73	156/ 904	4.73	4.51	4.03	4.03	4.73
	Seminar														
1	Were assigned topics relevant to the announced theme	14	1	0	0	0	0	1	5.00	****/ 87	* * * *	4.88	4.65	4.30	* * * *
	Was the instructor available for individual attention	15	0	0	0	0	0	1	5.00	****/ 79	* * * *	3.67	4.64	4.53	* * * *
	Did research projects contribute to what you learned	15	0	0	0	0	0	1	5.00	****/ 75	* * * *	4.33	4.57	4.50	* * * *
	Did presentations contribute to what you learned	14	0	0	0	0	0	2	5.00	****/ 79	* * * *	4.58	4.45	3.68	* * * *
	Were criteria for grading made clear	$14 \\ 14$	0	0	0	0	0	2		****/ 80	* * * *	3.97		3.76	* * * *
5.	were criteria for grading made crear	ТТ	0	0	0	0	0	2	5.00	/ 00		5.57	5.57	5.70	
	Field Work														
	Did field experience contribute to what you learned	1	0	0	0	0	1	14	4.93	16/ 41	4.93	4.97	4.50	4.44	4.93
2.	Did you clearly understand your evaluation criteria	1	0	0	1	0	1	13	4.73	15/ 38	4.73	4.55	4.19	3.96	4.73
3.	Was the instructor available for consultation	1	3	0	0	0	1	11	4.92	16/ 38	4.92	4.49	4.62	4.68	4.92
4.	To what degree could you discuss your evaluations	1	2	0	0	0	1	12	4.92	10/ 39	4.92	4.45	4.27	4.38	4.92
5.	Did conferences help you carry out field activities	1	4	0	0	0	0	11	5.00	1/ 31	5.00	4.50	4.47	4.51	5.00
	Self Paced														
1	Did self-paced system contribute to what you learned	14	0	0	0	0	0	c	5 00	****/ 28	* * * *	* * * *	4.64	3.33	* * * *
	Did study questions make clear the expected goal	14	1	0	0	0	0	2 2	5.00	****/ 16	****	****	4.64	4.00	****
		13	1	0	0	0	0	∠ 2	5.00	****/ 27	****	****		4.00	****
	Were your contacts with the instructor helpful				0			2		****/ 10	++++ ~ ~ ~ ~ ~	****	4.54	∠.03 ++++	++++
	Was the feedback/tutoring by proctors helpful	13	1	0		0	0	2	5.00	, = -	****	* + + + T	4.84	****	****
5.	Were there enough proctors for all the students	13	1	0	0	0	0	2	5.00	****/ б	~ ~ ~ *	~ ^ ^ <del>X</del>	4.92	^ ^ ^ <del>X</del>	* * * *

Credits Ea	Credits Earned Cum. GPA Expected Grades				es Reasons		Туре		Majors		
00-27	0	0.00-0.99	0	A 11	Required for Majors	1	Graduate	0	Major	12	
28-55	4	1.00-1.99	0	в 1							
56-83	1	2.00-2.99	4	C 1	General	10	Under-grad	16	Non-major	4	
84-150	1	3.00-3.49	2	D 0							
Grad.	0	3.50-4.00	1	F O	Electives	1	#### - Means	there	are not enough	1	

Ρ	0	
I	0	Other

? 1

3

responses to be significant

## Student Course Evaluation Questionnaire

			Frequencies					ructor	Course	Dept	UMBC	Level	Sect	
Questions		NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
1														
General 1. Did you gain new insights,skills from this course	0	0	0	0	1	2	13	4.75	363/1670	4.75	4.46	4.31	4.24	4.75
2. Did the instructor make clear the expected goals	0	0	0	0	1	4	11	4.63	465/1666	4.63	4.40	4.27	4.18	4.63
3. Did the exam questions reflect the expected goals	0	0	0	0	1	5	10	4.56	535/1406	4.56	4.54	4.32	4.22	4.56
4. Did other evaluations reflect the expected goals	0	0	0	0	2	2	12	4.63	423/1615	4.63	4.42	4.24	4.18	4.63
5. Did assigned readings contribute to what you learned	1	0	0	2	2	2	9	4.20	706/1566	4.20	4.14	4.07	4.04	4.20
6. Did written assignments contribute to what you learned	0	2	0	2	3	1	8	4.07	859/1528	4.07	4.26	4.12	4.07	4.07
7. Was the grading system clearly explained	0	0	0	0	1	5	10	4.56	485/1650	4.56	4.46	4.22	4.12	4.56
8. How many times was class cancelled	0	0	0	0	0	0	16	5.00	1/1667	5.00	4.68	4.67	4.67	5.00
9. How would you grade the overall teaching effectiveness	12	0	0	0	0	1	3	4.75	207/1626		4.19	4.11		4.79
Lecture 1. Were the instructor's lectures well prepared	14	0	0	0	0	0	2	E 00	****/1559	4.81	4.60	4.46	4.40	4.81
2. Did the instructor seem interested in the subject	$14 \\ 14$	0	0	0	0	0	2		****/1560	4.01 4.94	4.80	4.40	4.40	4.01
3. Was lecture material presented and explained clearly	$14 \\ 14$	0	0	0	0	0	2		****/1549	4.94	4.72	4.72	4.87	4.94
4. Did the lectures contribute to what you learned	$14 \\ 14$	0	0	0	0	0	2		****/1546	4.56	4.38	4.31		4.56
5. Did audiovisual techniques enhance your understanding	14	0	0	0	0	0	2		****/1323		4.49	4.00		4.50
5. Did addiovistal techniques enhance your understanding	TI	0	0	0	0	0	2	5.00	/1525	1.50	1.55	1.00	5.99	1.50
Discussion														
1. Did class discussions contribute to what you learned	4	0	0	1	1	1	9	4.50	434/1384	4.50	4.60	4.10	4.12	4.50
2. Were all students actively encouraged to participate	4	0	1	0	1	2	8	4.33	797/1378	4.33	4.58	4.29	4.30	4.33
3. Did the instructor encourage fair and open discussion	4	0	0	0	1	3	8	4.58	602/1378	4.58	4.65	4.31	4.33	4.58
4. Were special techniques successful	4	1	0	0	0	3	8	4.73	156/ 904	4.73	4.51	4.03	4.03	4.73
Seminar														
1. Were assigned topics relevant to the announced theme	14	1	0	0	0	0	1	5.00	****/ 87	* * * *	4.88	4.65	4.30	* * * *
2. Was the instructor available for individual attention	15	0	0	0	0	0	1	5.00	****/ 79	* * * *	3.67	4.64	4.53	* * * *
3. Did research projects contribute to what you learned	15	0	0	0	0	0	1	5.00	****/ 75	* * * *	4.33	4.57	4.50	* * * *
4. Did presentations contribute to what you learned	14	0	0	0	0	0	2	5.00	****/ 79	* * * *	4.58	4.45	3.68	* * * *
5. Were criteria for grading made clear	14	Ő	0	0	0	Ő	2		****/ 80	* * * *		3.97	3.76	* * * *
Field Work		-												
1. Did field experience contribute to what you learned	1	0	0	0	0	1		4.93	16/ 41	4.93	4.97	4.50	4.44	4.93
2. Did you clearly understand your evaluation criteria	1	0	0	1	0	1		4.73	15/ 38	4.73	4.55	4.19		4.73
3. Was the instructor available for consultation	1	3	0	0	0	-	11	4.92	16/ 38	4.92	4.49	4.62	4.68	4.92
4. To what degree could you discuss your evaluations	1	2	0	0	0	1	12	4.92	10/ 39	4.92	4.45	4.27	4.38	4.92
5. Did conferences help you carry out field activities	1	4	0	0	0	0	11	5.00	1/ 31	5.00	4.50	4.47	4.51	5.00
Self Paced														
1. Did self-paced system contribute to what you learned	14	0	0	0	0	0	2	5.00	****/ 28	* * * *	* * * *	4.64	3.33	* * * *
2. Did study questions make clear the expected goal	13	1	0	0	0	0	2	5.00	****/ 16	* * * *	* * * *	4.67	4.00	* * * *
3. Were your contacts with the instructor helpful	13	1	0	0	0	0	2	5.00	****/ 27	* * * *	* * * *	4.54	2.63	* * * *
4. Was the feedback/tutoring by proctors helpful	13	1	0	0	0	0	2	5.00	****/ 10	* * * *	* * * *	4.84	* * * *	* * * *
5. Were there enough proctors for all the students	13	1	0	0	0	0	2	5.00	****/ б	* * * *	* * * *	4.92	* * * *	* * * *

Credits Ea	redits Earned Cum. GPA Expected Grades			Reasons		Туре		Majors			
00-27	0	0.00-0.99	0	 A 1		Required for Majors	1	Graduate	0	Major	12
28-55	4	1.00-1.99	0	В	1						
56-83	1	2.00-2.99	4	С	1	General	10	Under-grad	16	Non-major	4
84-150	1	3.00-3.49	2	D	0						
Grad.	0	3.50-4.00	1	F	0	Electives	1	#### - Means	there	are not enough	ı

Ρ	0	
I	0	Other

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3

responses to be significant

## 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	5	1	5	4 00	1216/1670	4.00	4.46	4.31	4.24	4.00
2. Did the instructor make clear the expected goals	0	0	0	0	3	5	3		1199/1666	4.00	4.36	4.27	4.18	4.00
3. Did the exam questions reflect the expected goals	0	0	0	0	3	3	5		932/1406	4.18	4.54	4.32	4.22	4.18
4. Did other evaluations reflect the expected goals	0	0	0	2	1	3	5		1083/1615	4.00	4.42	4.24	4.18	4.00
5. Did assigned readings contribute to what you learned	1	1	2	1	1	1	4		1322/1566	3.44	4.14	4.07	4.04	3.44
6. Did written assignments contribute to what you learned	1	1	0	2	1	3	3		1140/1528	3.78	4.26	4.12	4.07	3.78
7. Was the grading system clearly explained	1	0	0	0	4	2	4		1135/1650	4.00	4.46	4.22	4.12	4.00
8. How many times was class cancelled	1	0	0	0	0	3	7	4.70	992/1667	4.70	4.68	4.67	4.67	4.70
9. How would you grade the overall teaching effectiveness	1	0	1	0	1	6	2	3.80	1220/1626	3.80	4.19	4.11	4.06	3.80
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	1	5	5	4.36	1062/1559	4.36	4.60	4.46	4.40	4.36
2. Did the instructor seem interested in the subject	0	0	0	0	2	3	6	4.36	1354/1560	4.36	4.72	4.72	4.67	4.36
3. Was lecture material presented and explained clearly	0	0	0	0	1	4	б	4.45	749/1549	4.45	4.58	4.31	4.25	4.45
4. Did the lectures contribute to what you learned	0	0	0	0	2	4	5	4.27	971/1546	4.27	4.49	4.32	4.24	4.27
5. Did audiovisual techniques enhance your understanding	0	0	0	0	4	3	4	4.00	692/1323	4.00	4.39	4.00	3.99	4.00
Discussion														
1. Did class discussions contribute to what you learned	3	0	0	0	1	1	б	4.63	356/1384	4.63	4.60	4.10	4.12	4.63
<ol><li>Were all students actively encouraged to participate</li></ol>	3	0	0	0	1	3	4	4.38	751/1378	4.38	4.58	4.29	4.30	4.38
3. Did the instructor encourage fair and open discussion	3	0	0	0	1	2	5	4.50	653/1378	4.50	4.65	4.31	4.33	4.50
<ol> <li>Were special techniques successful</li> </ol>	3	0	0	1	3	0	4	3.88	580/ 904	3.88	4.51	4.03	4.03	3.88
Seminar														
1. Were assigned topics relevant to the announced theme	10	0	0	0	0	1	0		****/ 87	* * * *	4.88	4.65	4.30	* * * *
2. Was the instructor available for individual attention	10	0	0	0	0	1	0		****/ 79		3.67	4.64	4.53	* * * *
3. Did research projects contribute to what you learned	10	0	0	0	0	0	1		****/ 75		4.33	4.57	4.50	* * * *
4. Did presentations contribute to what you learned		0	0	0	1	0	0		****/ 79		4.58	4.45	3.68	* * * *
5. Were criteria for grading made clear	10	0	0	0	0	1	0	4.00	****/ 80	* * * *	3.97	3.97	3.76	* * * *

Credits E	arned	Cum. GPA		Expected	Grades	Reasons		Туре	Majors		
00-27	0	0.00-0.99	0	А А	8	Required for Majors	0	Graduate	0	Major	8
28-55	0	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	1	C	0	General	1	Under-grad	11	Non-major	3
84-150	5	3.00-3.49	1	D	0						
Grad.	0	3.50-4.00	3	F	0	Electives	0	#### - Means	there	are not enough	
				P	0			responses to	be sig	nificant	
				I	0	Other	8	-			
				?	0						

## Student Course Evaluation Questionnaire

Questions				-	ncies	3	_		tructor	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	1	0	2	2	4	2	2	3.00	1620/1670	3.00	4.46	4.31	4.24	3.00
2. Did the instructor make clear the expected goals	1	0	1	3	4	3	1		1603/1666	3.00	4.36	4.27	4.18	3.00
3. Did the exam questions reflect the expected goals	1	0	0	2	3	6	1		1275/1406	3.50	4.54	4.32	4.22	3.50
4. Did other evaluations reflect the expected goals	1	0	1	0	5	6	0	3.33	1512/1615	3.33	4.42	4.24	4.18	3.33
5. Did assigned readings contribute to what you learned	1	0	4	0	2	6	0	2.83	1520/1566	2.83	4.14	4.07	4.04	2.83
6. Did written assignments contribute to what you learned	1	0	2	0	6	3	1	3.08	1441/1528	3.08	4.26	4.12	4.07	3.08
7. Was the grading system clearly explained	1	0	2	1	1	б	2	3.42	1498/1650	3.42	4.46	4.22	4.12	3.42
8. How many times was class cancelled	2	1	0	0	0	2	8	4.80	861/1667	4.80	4.68	4.67	4.67	4.80
9. How would you grade the overall teaching effectiveness	1	0	4	2	2	3	1	2.58	1590/1626	2.58	4.19	4.11	4.06	2.58
Lecture														
1. Were the instructor's lectures well prepared	3	0	1	4	3	2	0		1537/1559	2.60	4.60	4.46	4.40	2.60
2. Did the instructor seem interested in the subject	3	0	1	1	4	3	1		1543/1560	3.20	4.72	4.72	4.67	3.20
3. Was lecture material presented and explained clearly	3	0	1	2	4	2	1		1489/1549	3.00	4.58	4.31	4.25	3.00
4. Did the lectures contribute to what you learned	3	1	2	2	2	2	1		1509/1546	2.78	4.49	4.32	4.24	
5. Did audiovisual techniques enhance your understanding	3	3	1	0	3	2	1	3.29	1114/1323	3.29	4.39	4.00	3.99	3.29
Discussion														
1. Did class discussions contribute to what you learned	5	0	1	0	2	2	2	2 62	1049/1384	3.63	4.60	4.10	4.12	3.63
2. Were all students actively encouraged to participate	5	0	0	0	2	2	7	4.25	860/1378	4.25	4.58	4.10	4.12	4.25
3. Did the instructor encourage fair and open discussion	5	0	1	0	1	4	2		1110/1378	3.75	4.58	4.31	4.33	3.75
4. Were special techniques successful	5	6	0	0	0	1	1		****/ 904		4.51	4.03	4.03	****
4. Were special cecimiques succession	J	0	0	0	0	Ŧ	т	ч.50	/ 504		ч. J1	1.05	1.05	
Seminar														
1. Were assigned topics relevant to the announced theme	12	0	0	0	0	1	0	4.00	****/ 87	* * * *	4.88	4.65	4.30	* * * *
2. Was the instructor available for individual attention	12	0	1	0	0	0	0	1.00	****/ 79	* * * *	3.67	4.64	4.53	* * * *
3. Did research projects contribute to what you learned	12	0	0	0	0	1	0	4.00	****/ 75	* * * *	4.33	4.57	4.50	* * * *
4. Did presentations contribute to what you learned	12	0	0	0	0	1	0	4.00	****/ 79	* * * *	4.58	4.45	3.68	* * * *
5. Were criteria for grading made clear	12	0	0	0	1	0	0	3.00	****/ 80	* * * *	3.97	3.97	3.76	* * * *
Self Paced														
1. Did self-paced system contribute to what you learned	12	0	0	0	0	1	0		****/ 28	* * * *	* * * *	4.64	3.33	* * * *
2. Did study questions make clear the expected goal	12	0	0	0	0	0	1		****/ 16	* * * *	* * * *	4.67	4.00	* * * *
3. Were your contacts with the instructor helpful	12	0	0	0	0	1	0	4.00	****/ 27	* * * *	* * * *	4.54	2.63	* * * *

Credits E	arned	Cum. GPA		Expected	Grades	Reasons		Туре	Majors		
00-27	0	0.00-0.99	0	 A	7	Required for Majors	0	Graduate	0	Major	11
28-55	0	1.00-1.99	0	В	3						
56-83	1	2.00-2.99	1	С	1	General	0	Under-grad	13	Non-major	2
84-150	4	3.00-3.49	1	D	0						
Grad.	0	3.50-4.00	3	F	0	Electives	0	#### - Means	there	are not enough	h
				P	0			responses to	be sig	nificant	
				I	0	Other	10				
				?	0						

## Student Course Evaluation Questionnaire

Frequencies					Inst	ructor	Course	Dept	UMBC	Level	Sect		
NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
0	0	0	0	1	4	З	4.25	996/1670	4.25	4.46	4.31	4.24	4.25
0	0	0	0	0	2	6	4.75	,					4.75
0	5	0	0	0	0	3	5.00	- ,					5.00
0	0	0	0	0	1	7	4.88	,				4.18	4.88
0	3	0	0	0	2	3	4.60	339/1566	4.60	4.14	4.07	4.04	4.60
1 0	0	0	0	1	1	6	4.63	330/1528	4.63	4.26	4.12	4.07	4.63
0	0	0	0	0	0	8	5.00	1/1650	5.00	4.46	4.22	4.12	5.00
0	0	0	0	0	6	2	4.25	1368/1667	4.25	4.68	4.67	4.67	4.25
s 1	0	1	0	0	3	3	4.00	953/1626	4.00	4.19	4.11	4.06	4.00
0	0	0	0	•	0	0	- 00	1 /1 0	F 00	1 60		4 4 9	E 0.0
-	-	-	-	-	0	-		,					5.00
						-		,					5.00
						-		,					5.00
-	-	-	-	-	-	0		,					5.00
0	0	0	0	0	0	8	5.00	1/1323	5.00	4.39	4.00	3.99	5.00
1	0	0	1	0	0	б	4.57	390/1384	4.57	4.60	4.10	4.12	4.57
1	0	0	1	0	0	6	4.57	548/1378	4.57	4.58	4.29	4.30	4.57
1	0	0	1	0	0	6	4.57	608/1378	4.57	4.65	4.31	4.33	4.57
1	2	0	0	0	0	5	5.00	1/ 904	5.00	4.51	4.03	4.03	5.00
-	0	0	0	•	-	~	4 0 0	****	de de de de	4 0.0	4 65	4 20	de de de de
.7	-	-	-	-	1	0		, .					****
	-	-	-	-	_	0		,					
.7	-	-	Ŭ	-	T	0		, -					* * * *
7	-			-	1	0	1.00	/ / / 2					* * * *
7	0	0	0	0	0	1	5.00	****/ 80	* * * *	3.97	3.97	3.76	* * * *
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 5 0 0 0 3 d 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	NR         NA         1           0         0         0           0         0         0           0         5         0           0         0         0           0         0         0           0         0         0           d         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           1         0         0           1         0         0           1         0         0           1         2         0           7         0         0           7         0         0           7         0         0           7         0         0           7         0         0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	NR         NA         1         2         3         4         5         Mean           0         0         0         0         1         4         3         4.25           0         0         0         0         2         6         4.75           0         5         0         0         0         3         5.00           0         0         0         0         1         7         4.88           0         3         0         0         2         3         4.60           d         0         0         0         1         1         6         4.63           0         0         0         0         1         1         6         4.63           0         0         0         0         0         8         5.00           0         0         0         0         3         3         4.00           s         1         0         1         0         8         5.00           0         0         0         0         0         8         5.00           0         0         1         0         6	NR         NA         1         2         3         4         5         Mean         Rank           0         0         0         0         1         4         3         4.25         996/1670           0         0         0         0         2         6         4.75         312/1666           0         5         0         0         0         3         5.00         1/1406           0         0         0         0         1         7         4.88         196/1615           0         3         0         0         2         3         4.60         339/1566           d         0         0         0         1         1         6         4.63         330/1528           0         0         0         0         0         8         5.00         1/1650           0         0         0         0         8         5.00         1/1559           0         0         0         0         8         5.00         1/1546           0         0         0         0         8         5.00         1/1323           1         0         0 <td>NR         NA         1         2         3         4         5         Mean         Rank         Mean           0         0         0         0         1         4         3         4.25         996/1670         4.25           0         0         0         0         2         6         4.75         312/1666         4.75           0         5         0         0         0         3         5.00         1/1406         5.00           0         0         0         0         1         7         4.88         196/1615         4.88           0         3         0         0         2         3         4.60         339/1566         4.60           d         0         0         0         1         1         6         4.63         330/1528         4.63           0         0         0         0         8         5.00         1/1650         5.00           0         0         0         0         8         5.00         1/1560         5.00           0         0         0         0         8         5.00         1/1549         5.00           0&lt;</td> <td>NR         NA         1         2         3         4         5         Mean         Rank         Mean         Mean           0         0         0         0         1         4         3         4.25         996/1670         4.25         4.46           0         0         0         0         2         6         4.75         312/1666         4.75         4.36           0         5         0         0         0         3         5.00         1/1406         5.00         4.54           0         0         0         0         1         7         4.88         196/1615         4.88         4.42           0         3         0         0         2         3         4.60         339/1566         4.60         4.14           d         0         0         0         1         1         6         4.63         330/1528         4.63         4.26           0         0         0         0         8         5.00         1/1559         5.00         4.46           0         0         0         0         8         5.00         1/1549         5.00         4.72      <tr< td=""><td>NR NA 1 2 3 4 5 Mean Rank Mean Mean Mean Mean Mean Mean Mean Mean</td><td><math display="block">\begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td></tr<></td>	NR         NA         1         2         3         4         5         Mean         Rank         Mean           0         0         0         0         1         4         3         4.25         996/1670         4.25           0         0         0         0         2         6         4.75         312/1666         4.75           0         5         0         0         0         3         5.00         1/1406         5.00           0         0         0         0         1         7         4.88         196/1615         4.88           0         3         0         0         2         3         4.60         339/1566         4.60           d         0         0         0         1         1         6         4.63         330/1528         4.63           0         0         0         0         8         5.00         1/1650         5.00           0         0         0         0         8         5.00         1/1560         5.00           0         0         0         0         8         5.00         1/1549         5.00           0<	NR         NA         1         2         3         4         5         Mean         Rank         Mean         Mean           0         0         0         0         1         4         3         4.25         996/1670         4.25         4.46           0         0         0         0         2         6         4.75         312/1666         4.75         4.36           0         5         0         0         0         3         5.00         1/1406         5.00         4.54           0         0         0         0         1         7         4.88         196/1615         4.88         4.42           0         3         0         0         2         3         4.60         339/1566         4.60         4.14           d         0         0         0         1         1         6         4.63         330/1528         4.63         4.26           0         0         0         0         8         5.00         1/1559         5.00         4.46           0         0         0         0         8         5.00         1/1549         5.00         4.72 <tr< td=""><td>NR NA 1 2 3 4 5 Mean Rank Mean Mean Mean Mean Mean Mean Mean Mean</td><td><math display="block">\begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td></tr<>	NR NA 1 2 3 4 5 Mean Rank Mean Mean Mean Mean Mean Mean Mean Mean	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

Credits E	arned	Cum. GPA		Expected	Grades	Reasons		Туре	Majors		
00-27	1	0.00-0.99	0	 A	6	Required for Majors	0	Graduate	0	Major	7
28-55	2	1.00-1.99	0	В	0						
56-83	0	2.00-2.99	0	C	0	General	2	Under-grad	8	Non-major	1
84-150	1	3.00-3.49	2	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	nificant	
				I	0	Other	5	-			
				?	1						

## 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	З	7	4.55	621/1670	4.55	4.46	4.31	4.45	4.55
2. Did the instructor make clear the expected goals	0	0	0	0	1	3	7	4.55	569/1666	4.55	4.36	4.27	4.35	4.55
3. Did the exam questions reflect the expected goals	0	0	0	0	2	0	9	4.64	459/1406	4.64	4.54	4.32	4.48	4.64
4. Did other evaluations reflect the expected goals	0	0	0	0	2	4	5	4.27	849/1615	4.27	4.42	4.24	4.37	4.27
5. Did assigned readings contribute to what you learned	0	0	0	0	3	2	6	4.27	621/1566	4.27	4.14	4.07	4.17	4.27
6. Did written assignments contribute to what you learned	0	1	0	0	3	2	5	4.20	760/1528	4.20	4.26	4.12	4.26	4.20
7. Was the grading system clearly explained	0	0	0	0	2	1	8	4.55	513/1650	4.55	4.46	4.22	4.28	4.55
8. How many times was class cancelled	0	0	0	1	1	8	1	3.82	1623/1667	3.82	4.68	4.67	4.73	3.82
9. How would you grade the overall teaching effectiveness	2	0	0	0	0	5	4	4.44	499/1626	4.44	4.19	4.11	4.28	4.44
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	1	1	8	4.70	623/1559	4.70	4.60	4.46	4.58	4.70
2. Did the instructor seem interested in the subject	1	0	0	0	1	0	9	4.80	855/1560	4.80	4.72	4.72	4.80	4.80
3. Was lecture material presented and explained clearly	1	0	0	0	1	1	8	4.70	451/1549	4.70	4.58	4.31	4.43	4.70
4. Did the lectures contribute to what you learned	1	0	0	1	0	1	8	4.60	595/1546	4.60	4.49	4.32	4.43	4.60
5. Did audiovisual techniques enhance your understanding	1	6	0	1	1	0	2	3.75	917/1323	3.75	4.39	4.00	4.10	3.75
Discussion														
1. Did class discussions contribute to what you learned	4	0	0	0	2	2	2	4.14	758/1384	4.14	4.60	4.10	4.32	4.14
-	4 4	0	0 0	0	2	1	3	4.14 4.29	842/1378			4.10	4.32	4.14
2. Were all students actively encouraged to participate	-	0	0	0	2	1 1	-	4.29	731/1378	4.29 4.43	4.58 4.65	4.29		
3. Did the instructor encourage fair and open discussion	4		-	1	_	2	4		- ,				4.60	4.43
4. Were special techniques successful	4	3	0	T	2	0	T	3.25	794/ 904	3.25	4.51	4.03	4.22	3.25
Seminar														
1. Were assigned topics relevant to the announced theme	10	0	0	0	0	1	0	4.00	****/ 87	* * * *	4.88	4.65	4.80	* * * *
2. Was the instructor available for individual attention	10	0	0	0	1	0	0	3.00	****/ 79	* * * *	3.67	4.64	4.60	* * * *
3. Did research projects contribute to what you learned	10	0	0	0	0	0	1	5.00	****/ 75	* * * *	4.33	4.57	4.56	* * * *
4. Did presentations contribute to what you learned			0	0	0	0	1	5.00	****/ 79	* * * *	4.58	4.45	4.53	* * * *
5. Were criteria for grading made clear	10 10	0 0	0	0	0	0	1	5.00	****/ 80	* * * *	3.97	3.97	3.67	* * * *
	-0	Ū	5	5	5	5	-	2.00	, 00				2.07	

Credits 1	Earned	Cum. GPA		Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	A	8	Required for Majors	0	Graduate	0	Major	11
28-55	1	1.00-1.99	0	В	0						
56-83	1	2.00-2.99	0	С	1	General	1	Under-grad	11	Non-major	0
84-150	5	3.00-3.49	6	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	0	#### - Means	there	are not enough	n
				P	0			responses to	be sig	gnificant	
				I	0	Other	9	-			
				?	0						

## Student Course Evaluation Questionnaire

			Frequencies			Instructor		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	5	4.83	271/1670	4.83	4.46	4.31	4.45	4.83
2. Did the instructor make clear the expected goals	0	0	0	1	0	0	5	4.50	622/1666	4.50	4.36	4.27	4.35	4.50
3. Did the exam questions reflect the expected goals	0	0	0	0	1	1	4	4.50	597/1406	4.50	4.54	4.32	4.48	4.50
4. Did other evaluations reflect the expected goals	0	0	0	0	0	2	4	4.67	379/1615	4.67	4.42	4.24	4.37	4.67
5. Did assigned readings contribute to what you learned	0	0	0	0	0	1	5	4.83	170/1566	4.83	4.14	4.07	4.17	4.83
6. Did written assignments contribute to what you learned	0	0	0	0	0	1	5	4.83	157/1528	4.83	4.26	4.12	4.26	4.83
7. Was the grading system clearly explained	0	0	0	0	0	1	5	4.83	208/1650	4.83	4.46	4.22	4.28	4.83
8. How many times was class cancelled	0	0	0	0	0	Ō	6	5.00	1/1667	5.00	4.68	4.67	4.73	5.00
9. How would you grade the overall teaching effectiveness	2	0	0	0	0	1	3	4.75	207/1626		4.19	4.11	4.28	4.75
5. now would fou grade the overall counting effectiveness	2	Ū	0	0	0	-	5	1.75	20,,1020	1.75	1.19	1.11	1.20	1.75
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	б	5.00	1/1559	5.00	4.60	4.46	4.58	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	б	5.00	1/1560	5.00	4.72	4.72	4.80	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	1	5	4.83	266/1549	4.83	4.58	4.31	4.43	4.83
4. Did the lectures contribute to what you learned	0	0	0	0	0	2	4	4.67	520/1546	4.67	4.49	4.32	4.43	4.67
5. Did audiovisual techniques enhance your understanding	0	0	0	0	0	0	6	5.00	1/1323	5.00	4.39	4.00	4.10	5.00
Discussion														
1. Did class discussions contribute to what you learned	3	0	0	0	0	0	3	5.00	1/1384	5.00	4.60	4.10	4.32	5.00
2. Were all students actively encouraged to participate	3	0	0	0	0	0	3	5.00	1/1378	5.00	4.58	4.29	4.55	5.00
3. Did the instructor encourage fair and open discussion	3	0	0	0	0	0	3	5.00	1/1378	5.00	4.65	4.31	4.60	5.00
4. Were special techniques successful	3	0	0	0	0	1	2	4.67	179/ 904	4.67	4.51	4.03	4.22	4.67
Laboratory														
1. Did the lab increase understanding of the material	5	0	0	0	0	0	1	5 00	****/ 232	* * * *	5.00	4.19	4.35	* * * *
2. Were you provided with adequate background information	5	0	0	0	0	0	1		****/ 239	* * * *	4.50	4.21	4.26	* * * *
3. Were necessary materials available for lab activities	5	0	0	0	0	0	1		****/ 230	* * * *	5.00	4.44	4.30	* * * *
4. Did the lab instructor provide assistance	5	0	0	0	0	0	1		****/ 231	* * * *	5.00	4.31	4.24	* * * *
5. Were requirements for lab reports clearly specified	5	0	0	0	0	0	1		****/ 218	* * * *	4.50	4.18	4.09	* * * *
									,					
Seminar														
1. Were assigned topics relevant to the announced theme	5	0	0	0	0	0	1		****/ 87	* * * *	4.88	4.65	4.80	* * * *
2. Was the instructor available for individual attention	5	0	0	0	0	0	1		****/ 79	* * * *	3.67	4.64	4.60	* * * *
3. Did research projects contribute to what you learned	5	0	0	0	0	0	1		****/ 75	* * * *	4.33	4.57	4.56	* * * *
4. Did presentations contribute to what you learned	5	0	0	0	0	0	1	0.00	****/ 79	* * * *	4.58	4.45	4.53	* * * *
5. Were criteria for grading made clear	5	0	0	0	0	0	1	5.00	****/ 80	* * * *	3.97	3.97	3.67	* * * *
Field Work														
1. Did field experience contribute to what you learned	4	0	0	0	0	0	2	5.00	1/ 41	5.00	4.97	4.50	4.98	5.00
2. Did you clearly understand your evaluation criteria	4	0	0	0	0	1	1	4.50	19/ 38	4.50	4.55	4.19	4.36	4.50
3. Was the instructor available for consultation	4	0	0	0	0	1	1	4.50	25/ 38	4.50	4.49	4.62	4.58	4.50
4. To what degree could you discuss your evaluations	4	0	0	0	0	1	1	4.50	17/ 39	4.50	4.45	4.27	4.02	4.50
5. Did conferences help you carry out field activities	4	0	0	0	0	1	1	4.50	16/ 31	4.50	4.50	4.47	4.49	4.50

Credits Ea	arned	Cum. GPA		Expected	d Grades	Reasons		Туре		Majors		
00-27	0	0.00-0.99	0	A	4	Required for Majors	0	Graduate	0	Major	6	
28-55	0	1.00-1.99	0	В	0							
56-83	0	2.00-2.99	0	C	0	General	0	Under-grad	б	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	L	

Ρ	0		
I	0	Other	6
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responses to be significant

## 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	0	1	2	3	4.33	902/1670	4.33	4.46	4.31	4.45	4.33
2. Did the instructor make clear the expected goals	0	0	0	0	0	3	3	4.50	622/1666	4.50	4.36	4.27	4.35	4.50
3. Did the exam questions reflect the expected goals	0	0	0	0	1	1	4	4.50	597/1406	4.50	4.54	4.32	4.48	4.50
4. Did other evaluations reflect the expected goals	0	0	0	0	0	2	4	4.67	379/1615	4.67	4.42	4.24	4.37	4.67
5. Did assigned readings contribute to what you learned	0	0	0	0	3	0	3	4.00	851/1566	4.00	4.14	4.07	4.17	4.00
6. Did written assignments contribute to what you learned	0	0	0	0	0	2	4	4.67	300/1528	4.67	4.26	4.12	4.26	4.67
7. Was the grading system clearly explained	0	0	0	0	0	3	3	4.50	570/1650	4.50	4.46	4.22	4.28	4.50
8. How many times was class cancelled	0	0	0	0	0	0	б	5.00	1/1667	5.00	4.68	4.67	4.73	5.00
9. How would you grade the overall teaching effectiveness	2	1	0	0	0	3	0	4.00	953/1626	4.00	4.19	4.11	4.28	4.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	1	5	4.83	387/1559	4.83	4.60	4.46	4.58	4.83
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	6	5.00	1/1560	5.00	4.72	4.72	4.80	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	2	4	4.67	488/1549	4.67	4.58	4.31	4.43	4.67
4. Did the lectures contribute to what you learned	0	0	0	0	0	1	5	4.83	310/1546	4.83	4.49	4.32	4.43	4.83
5. Did audiovisual techniques enhance your understanding	1	0	0	0	0	1	4	4.80	156/1323	4.90	4.39	4.00	4.10	4.90
5, 514 dadio(15adi cconniques chinance /our anaciscanaring	-	0	0	U	U	-	-	1.00	100,1010	1190	1.02	1.00		1190
Discussion														
1. Did class discussions contribute to what you learned	3	0	0	0	0	0	3	5.00	1/1384	5.00	4.60	4.10	4.32	5.00
<ol><li>Were all students actively encouraged to participate</li></ol>	3	0	0	0	0	0	3	5.00	1/1378	5.00	4.58	4.29	4.55	5.00
3. Did the instructor encourage fair and open discussion	3	0	0	0	0	0	3	5.00	1/1378	5.00	4.65	4.31	4.60	5.00
4. Were special techniques successful	3	0	0	0	0	0	3	5.00	1/ 904	5.00	4.51	4.03	4.22	5.00
Field Work														
1. Did field experience contribute to what you learned	5	0	0	0	0	0	1	5.00	****/ 41	* * * *	4.97	4.50	4.98	* * * *
2. Did you clearly understand your evaluation criteria	5	0	0	0	0	0	1	5.00	****/ 38	* * * *	4.55	4.19	4.36	* * * *
3. Was the instructor available for consultation	5	0	0	0	0	0	1	5.00	****/ 38	* * * *	4.49	4.62	4.58	* * * *
4. To what degree could you discuss your evaluations	5	0	0	0	0	0	1	5.00	****/ 39	* * * *	4.45	4.27	4.02	* * * *
5. Did conferences help you carry out field activities	5	0	Õ	0	0	0	1		****/ 31	* * * *	4.50	4.47	4.49	* * * *

Credits E	arned	Cum. GPA		Expected	Grades	Reasons		Туре		Majors		
00-27	0	0.00-0.99	0	A	3	Required for Majors	0	Graduate	0	Major	6	
28-55	0	1.00-1.99	0	В	1							
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	6	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		
				P	0			responses to	be sig	nificant		
				I	0	Other	б	-				
				?	1							

## 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	2	3	4.33	902/1670	4.33	4.46	4.31	4.45	4.33
2. Did the instructor make clear the expected goals	0	0	0	0	0	3	3	4.50	622/1666	4.50	4.36	4.27	4.35	4.50
3. Did the exam questions reflect the expected goals	0	0	0	0	1	1	4	4.50	597/1406	4.50	4.54	4.32	4.48	4.50
4. Did other evaluations reflect the expected goals	0	0	0	0	0	2	4	4.67	379/1615	4.67	4.42	4.24	4.37	4.67
5. Did assigned readings contribute to what you learned	0	0	0	0	3	0	3	4.00	851/1566	4.00	4.14	4.07	4.17	4.00
6. Did written assignments contribute to what you learned	0	0	0	0	0	2	4	4.67	300/1528	4.67	4.26	4.12	4.26	4.67
7. Was the grading system clearly explained	0	0	0	0	0	3	3	4.50	570/1650	4.50	4.46	4.22	4.28	4.50
8. How many times was class cancelled	0	0	0	0	0	0	6	5.00	1/1667	5.00	4.68	4.67	4.73	5.00
9. How would you grade the overall teaching effectiveness	5	0	0	0	0	1	0	4.00	****/1626	4.00	4.19	4.11	4.28	4.00
Lecture														
5. Did audiovisual techniques enhance your understanding	4	0	0	0	0	0	2	5.00	1/1323	4.90	4.39	4.00	4.10	4.90
Discussion														
1. Did class discussions contribute to what you learned	3	0	0	0	0	0	3	5.00	1/1384	5.00	4.60	4.10	4.32	5.00
2. Were all students actively encouraged to participate	3	0	0	0	0	0	3	5.00	1/1378	5.00	4.58	4.29	4.55	5.00
3. Did the instructor encourage fair and open discussion	3	0	0	0	0	0	3	5.00	1/1378	5.00	4.65	4.31	4.60	5.00
4. Were special techniques successful	3	0	0	0	0	0	3	5.00	1/ 904	5.00	4.51		4.22	5.00
Field Work														
	-	0	0	0	0	0	1	5.00	****/ 41	* * * *	4 07	4 50	4 0 0	* * * *
1. Did field experience contribute to what you learned	5 5	0	0	0	0	0	1	5.00	****/ 41 ****/ 38	****	4.97 4.55	4.50 4.19	4.98 4.36	****
<ol> <li>Did you clearly understand your evaluation criteria</li> <li>Was the instructor available for consultation</li> </ol>	5 5	-	-	-	-	0	1		****/ 38	****		4.19	4.58	****
	5	0 0	0 0	0 0	0	0	1		****/ 39	****	4.49 4.45	4.62		****
4. To what degree could you discuss your evaluations	5	0	0	0	0	0	1		****/ 31	****	4.45		4.02	****
5. Did conferences help you carry out field activities	5	0	U	U	U	U	T	5.00	····/ 31		4.50	4.47	4.49	

Credits E	arned	Cum. GPA		Expected	d Grades	Reasons		Туре	Majors		
00-27	0	0.00-0.99	0	A	3	Required for Majors	0	Graduate	0	Major	6
28-55	0	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	6	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	i.
				P	0			responses to	be sig	gnificant	
				I	0	Other	6				
				?	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	1	5	4.83	271/1670	4.83	4.46	4.31	4.45	4.83
	Did the instructor make clear the expected goals	0	0	0	0	1	3	2	4.17	1070/1666	4.17	4.36	4.27	4.35	4.17
	Did the exam questions reflect the expected goals	0	4	0	0	0	0	2	5.00	1/1406	5.00	4.54	4.32	4.48	5.00
	Did other evaluations reflect the expected goals	0	0	0	1	2	0	3		1276/1615	3.83	4.42	4.24	4.37	3.83
	Did assigned readings contribute to what you learned	0	4	0	0	0	0	2	5.00	1/1566	5.00	4.14	4.07	4.17	5.00
б.	Did written assignments contribute to what you learned	0	0	0	0	2	0	4	4.33	631/1528	4.33	4.26	4.12	4.26	4.33
7.	Was the grading system clearly explained	0	0	0	0	0	3	3	4.50	570/1650	4.50	4.46	4.22	4.28	4.50
8.	How many times was class cancelled	0	0	0	0	1	2	3	4.33	1310/1667	4.33	4.68	4.67	4.73	4.33
9.	How would you grade the overall teaching effectiveness	2	1	0	0	1	1	1	4.00	953/1626	4.00	4.19	4.11	4.28	4.00
	- and and														
1	Lecture	4	0	0	0	0	0	2	F 00	1/1559	5.00	1 60	1 10	4 50	5.00
	Were the instructor's lectures well prepared Did the instructor seem interested in the subject	4	0	0	0	0	0	∠ 3	5.00 5.00	1/1559	5.00	4.60 4.72	4.46 4.72	4.58 4.80	5.00
	Was lecture material presented and explained clearly	3 4	0	0	0	0	-	3 2	5.00	1/1560	5.00		4.72		
	Did the lectures contribute to what you learned	4	0	0	0	1	0	∠ 2	5.00 4.33	919/1546	5.00 4.33	4.58 4.49	4.31 4.32	4.43 4.43	5.00 4.33
		3	0	0	0	0	1	∠ 2							
5.	Did audiovisual techniques enhance your understanding	3	0	0	0	0	T	2	4.67	235/1323	4.67	4.39	4.00	4.10	4.67
	Discussion														
1.	Did class discussions contribute to what you learned	5	0	0	1	0	0	0	2.00	****/1384	* * * *	4.60	4.10	4.32	* * * *
2.	Were all students actively encouraged to participate	5	0	0	0	0	0	1	5.00	****/1378	* * * *	4.58	4.29	4.55	* * * *
3.	Did the instructor encourage fair and open discussion	5	0	0	0	0	1	0	4.00	****/1378	* * * *	4.65	4.31	4.60	* * * *
	Laboratory														
1	Did the lab increase understanding of the material	4	0	0	0	0	0	2	5.00	1/ 232	5.00	5.00	4.19	4.35	5.00
	Were you provided with adequate background information	4 4	0	0	0	0	1	2 1	5.00 4.50	85/232	5.00 4.50	5.00 4.50	4.19	4.35	5.00 4.50
	Were necessary materials available for lab activities	4	0	0	0	0	0	2	4.50 5.00	1/ 230	4.50	4.50 5.00	4.21	4.20	4.30 5.00
	Did the lab instructor provide assistance		0	0	0	0	0	2 2		1/ 230					
	-	4		-			-	-	5.00		5.00	5.00	4.31	4.24	5.00
5.	Were requirements for lab reports clearly specified	4	0	0	0	0	1	1	4.50	78/ 218	4.50	4.50	4.18	4.09	4.50
	Field Work														
1.	Did field experience contribute to what you learned	1	0	0	0	0	0	5	5.00	1/ 41	5.00	4.97	4.50	4.98	5.00
2.	Did you clearly understand your evaluation criteria	1	0	0	1	1	1	2	3.80	29/ 38	3.80	4.55	4.19	4.36	3.80
3.	Was the instructor available for consultation	1	0	0	0	0	2	3	4.60	24/ 38	4.60	4.49	4.62	4.58	4.60
4.	To what degree could you discuss your evaluations	1	0	0	0	1	1	3	4.40	19/ 39	4.40	4.45	4.27	4.02	4.40
5.	Did conferences help you carry out field activities	1	1	0	0	0	2	2	4.50	16/ 31	4.50	4.50	4.47	4.49	4.50

Credits 1	s Earned Cum. GPA Exp			Expected	Grades	Reasons		Туре	Majors		
00-27	0	0.00-0.99	0	A	3	Required for Majors	0	Graduate	0	Major	5
28-55	0	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	0	C	0	General	0	Under-grad	6	Non-major	1
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	L
				P	0			responses to 1	be sig	gnificant	
				I	0	Other	6	_			
				?	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	1	4	4.80	300/1670	4.80	4.46	4.31	4.45	4.80
2. Did the instructor make clear the expected goals	0	0	0	0	0	1	4	4.80	259/1666	4.80	4.36	4.27	4.35	4.80
3. Did the exam questions reflect the expected goals	0	3	0	0	0	0	2	5.00	1/1406	5.00	4.54	4.32	4.48	5.00
4. Did other evaluations reflect the expected goals	0	2	0	0	0	1	2	4.67	379/1615	4.67	4.42	4.24	4.37	4.67
5. Did assigned readings contribute to what you learned	0	4	0	0	0	0	1	5.00	****/1566	* * * *	4.14	4.07	4.17	* * * *
6. Did written assignments contribute to what you learned	0	0	0	0	1	1	3	4.40	560/1528	4.40	4.26	4.12	4.26	4.40
7. Was the grading system clearly explained	0	0	0	0	0	1	4	4.80	229/1650	4.80	4.46	4.22	4.28	4.80
8. How many times was class cancelled	0	0	0	0	0	1	4	4.80	861/1667	4.80	4.68	4.67	4.73	4.80
9. How would you grade the overall teaching effectiveness	0	0	0	0	2	1	2	4.00	953/1626	4.00	4.19	4.11	4.28	4.00
Lecture														
1. Were the instructor's lectures well prepared	4	0	0	0	0	0	1	5.00	****/1559	* * * *	4.60	4.46	4.58	* * * *
2. Did the instructor seem interested in the subject	4	0	0	0	0	0	1	5.00	****/1560	* * * *	4.72	4.72	4.80	* * * *
3. Was lecture material presented and explained clearly	4	0	0	0	0	0	1	5.00	****/1549	* * * *	4.58	4.31	4.43	* * * *
4. Did the lectures contribute to what you learned	4	0	0	0	0	0	1	5.00	****/1546	* * * *	4.49	4.32	4.43	* * * *
5. Did audiovisual techniques enhance your understanding	4	0	0	0	0	0	1	5.00	****/1323	* * * *	4.39	4.00	4.10	* * * *
Field Work														
1. Did field experience contribute to what you learned	3	0	0	0	0	0	2	5.00	1/ 41	5.00	4.97	4.50	4.98	5.00
2. Did you clearly understand your evaluation criteria	3	0	0	0	0	0	2	5.00	1/ 38	5.00	4.55	4.19	4.36	5.00
3. Was the instructor available for consultation	3	0	0	0	1	1	0	3.50	37/ 38	3.50	4.49	4.62	4.58	3.50
4. To what degree could you discuss your evaluations	3	0	0	0	1	1	0	3.50	33/ 39	3.50	4.45	4.27	4.02	3.50
5. Did conferences help you carry out field activities	3	0	0	0	1	1	0	3.50	30/ 31	3.50	4.50	4.47	4.49	3.50

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

## Student Course Evaluation Questionnaire

			Fre	equer	ncies	3		Inst	tructor	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	1	4.20	1060/1670	4.20	4.46	4.31	4.45	4.20
2. Did the instructor make clear the expected goals	0	0	0	0	3	0	2	3.80	1383/1666	3.80	4.36	4.27	4.35	3.80
3. Did the exam questions reflect the expected goals	0	3	0	0	0	0	2	5.00	1/1406	5.00	4.54	4.32	4.48	5.00
4. Did other evaluations reflect the expected goals	0	3	0	0	0	0	2	5.00	1/1615	5.00	4.42	4.24	4.37	5.00
5. Did assigned readings contribute to what you learned	1	3	0	0	0	0	1	5.00	****/1566	* * * *	4.14	4.07	4.17	* * * *
6. Did written assignments contribute to what you learned	0	2	0	0	0	1	2	4.67	300/1528	4.67	4.26	4.12	4.26	4.67
7. Was the grading system clearly explained	0	1	0	0	1	1	2	4.25	903/1650	4.25	4.46	4.22	4.28	4.25
8. How many times was class cancelled	0	0	0	0	0	1	4	4.80	861/1667	4.80	4.68	4.67	4.73	4.80
9. How would you grade the overall teaching effectiveness	1	0	0	0	1	3	0	3.75	1254/1626	3.75	4.19	4.11	4.28	3.75
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	0	2	1	4.33	1092/1559	4.33	4.60	4.46	4.58	4.33
2. Did the instructor seem interested in the subject	2	0	0	0	0	1	2		1090/1560		4.72	4.72	4.80	4.67
3. Was lecture material presented and explained clearly	2	0	0	0	0	2	1	4.33	900/1549		4.58	4.31	4.43	4.33
4. Did the lectures contribute to what you learned	2	0	0	0	1	0	2	4.33	919/1546		4.49	4.32	4.43	4.33
5. Did audiovisual techniques enhance your understanding	3	0	0	0	0	2	0	4.00	692/1323	4.00	4.39	4.00	4.10	4.00
Discussion														
1. Did class discussions contribute to what you learned	4	0	0	0	0	1	0	4 00	****/1384	* * * *	4.60	4.10	4.32	* * * *
2. Were all students actively encouraged to participate	4	0	0	0	0	1	0		****/1378		4.58	4.29	4.55	* * * *
3. Did the instructor encourage fair and open discussion	4	0	0	0	0	1	0		****/1378		4.65	4.31	4.60	* * * *
Seminar														
1. Were assigned topics relevant to the announced theme	2	1	0	0	0	0	2	5.00	1/ 87	5.00	4.88	4.65	4.80	5.00
2. Was the instructor available for individual attention	2	0	0	1	1	1	0	3.00	77/ 79	3.00	3.67	4.64	4.60	3.00
3. Did research projects contribute to what you learned	2	0	0	0	1	0	2	4.33	53/ 75	4.33	4.33	4.57	4.56	4.33
4. Did presentations contribute to what you learned	2	0	0	0	0	1	2	4.67	38/ 79		4.58	4.45	4.53	4.67
5. Were criteria for grading made clear	2	0	0	1	0	2	0	3.33	63/ 80	3.33	3.97	3.97	3.67	3.33

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