Course-Section: PHYS 111 01

Title: Basic Physics I

Instructor: Anderson, Eric C

Term - Spring 2013

Enrollment: 160

	10 0 1 2 10 17 26 4.16 1030/155 9 0 1 3 6 16 31 4.28 857/1373 10 18 1 4 13 8 12 3.68 1335/151 d 10 4 2 7 12 14 17 3.71 1183/145				structor	Course	Org	UMBC	Level	Sect				
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	9	0	0	4	9	20	24	4.12	1118/1560	4.12	4.37	4.35	4.17	4.12
2. Did the instructor make clear the expected goals	10	0	1	2	10	17	26	4.16	1030/1559	4.16	4.15	4.31	4.25	4.16
3. Did the exam questions reflect the expected goals	9	0	1	3	6	16	31	4.28	857/1371	4.28	4.34	4.38	4.27	4.28
4. Did other evaluations reflect the expected goals	10	18	1	4	13	8	12	3.68	1335/1519	3.68	4.27	4.27	4.13	3.68
5. Did assigned readings contribute to what you learned	10	4	2	7	12	14	17	3.71	1183/1452	3.71	4.06	4.18	4.04	3.71
6. Did written assignments contribute to what you learned	10	19	1	5	8	14	9	3.68	1148/1430	3.68	4.25	4.16	3.98	3.68
7. Was the grading system clearly explained	10	1	2	4	10	14	25	4.02	1071/1539	4.02	4.29	4.23	4.18	4.02
8. How many times was class cancelled	12	2	0	0	1	31	20	4.37	1203/1560	4.37	4.69	4.64	4.57	4.37
9. How would you grade the overall teaching effectiveness	22	1	0	0	10	19	14	4.09	892/1545	4.09	3.93	4.14	4.07	4.09
Lecture														
1. Were the instructor's lectures well prepared	9	0	0	2	7	14	34	4.40	1009/1496	4.40	4.35	4.49	4.43	4.40
2. Did the instructor seem interested in the subject	9	0	0	1	5	7	44	4.65	1105/1498	4.65	4.75	4.75	4.67	4.65
3. Was lecture material presented and explained clearly	9	0	2	4	9	12	30	4.12	1105/1496	4.12	4.11	4.37	4.31	4.12
4. Did the lectures contribute to what you learned	9	1	1	5	6	10	34	4.27	985/1494	4.27	4.18	4.37	4.28	4.27
5. Did audiovisual techniques enhance your understanding	15	5	4	4	7	12	19	3.83	1002/1352	3.83	3.98	4.12	3.98	3.83
Discussion														
1. Did class discussions contribute to what you learned	47	0	1	0	6	5	7	3.89	919/1248	3.89	4.25	4.23	3.95	3.89
2. Were all students actively encouraged to participate	49	0	2	2	1	3	9	3.88	1029/1250	3.88	4.26	4.39	4.13	3.88
3. Did the instructor encourage fair and open discussion	49	0	0	0	1	6	10	4.53	664/1239	4.53	4.45	4.45	4.18	4.53
4. Were special techniques successful	50	8	2	0	1	2	3	3.50	****/906	****	3.81	4.13	3.98	****

Course-Section: PHYS 111 01

Title: Basic Physics I

Instructor: Anderson, Eric C

Term - Spring 2013

Enrollment: 160

				Fre	quend	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
1. Did the lab increase understanding of the material	28	0	4	5	14	11	4	3.16	204/206	3.16	3.92	4.25	4.15	3.16
2. Were you provided with adequate background information	29	0	1	5	9	8	14	3.78	187/214	3.78	3.93	4.31	4.30	3.78
3. Were necessary materials available for lab activities	29	1	0	0	4	8	24	4.56	108/204	4.56	4.38	4.52	4.54	4.56
4. Did the lab instructor provide assistance	29	0	1	6	5	8	17	3.92	184/207	3.92	4.27	4.44	4.50	3.92
5. Were requirements for lab reports clearly specified	29	11	1	2	3	9	11	4.04	139/199	4.04	4.02	4.27	4.31	4.04
Seminar														
1. Were assigned topics relevant to the announced theme	64	1	0	0	1	0	0	3.00	****/64	****	5.00	4.44	4.50	****
2. Was the instructor available for individual attention	64	1	0	0	1	0	0	3.00	****/58	****	****	4.37	4.32	****
3. Did research projects contribute to what you learned	64	1	0	1	0	0	0	2.00	****/52	****	****	4.41	4.33	****
4. Did presentations contribute to what you learned	64	1	0	0	1	0	0	3.00	****/66	****	4.00	4.41	4.53	****
5. Were criteria for grading made clear	64	1	0	0	1	0	0	3.00	****/63	****	****	4.09	4.17	****
Field Work														
1. Did field experience contribute to what you learned	64	0	1	0	1	0	0	2.00	****/29	****	****	4.19	3.64	****
2. Did you clearly understand your evaluation criteria	64	0	1	0	1	0	0	2.00	****/29	****	****	4.11	4.21	****
3. Was the instructor available for consultation	64	1	0	0	1	0	0	3.00	****/24	****	****	4.25	5.00	****
4. To what degree could you discuss your evaluations	64	1	0	0	1	0	0	3.00	****/26	****	****	3.89	5.00	****
5. Did conferences help you carry out field activities	64	1	0	0	1	0	0	3.00	****/25	****	****	4.01	5.00	****
Self Paced														
1. Did self-paced system contribute to what you learned	64	0	1	0	1	0	0	2.00	****/31	****	****	4.35	4.54	****
2. Did study questions make clear the expected goal	64	1	0	1	0	0	0	2.00	****/22	****	****	4.13	4.42	****
3. Were your contacts with the instructor helpful	64	1	0	0	1	0	0	3.00	****/29	****	****	4.41	4.61	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 111 01

Title: Basic Physics I

Instructor: Anderson, Eric C

Term - Spring 2013

Enrollment: 160

Questionnaires: 66

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Self Paced														
4. Was the feedback/tutoring by proctors helpful	64	1	0	0	1	0	0	3.00	****/14	****	****	4.03	4.38	****
5. Were there enough proctors for all the students	64	1	0	0	1	0	0	3.00	****/10	****	****	3.94	5.00	****

Credits Ea	arned	Cum. GP/	A	Expected	l Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	Α	19	Required for Majors	38	Graduate	0	Major	0
28-55	6	1.00-1.99	1	В	14						
56-83	8	2.00-2.99	4	С	10	General	3	Under-grad	66	Non-major	66
84-150	5	3.00-3.49	6	D	0						
Grad.	0	3.50-4.00	9	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				1	0	Other	2				
				?	22						

Course-Section: PHYS 112 01

Title: Basic Physics II

Instructor: Cui,Lili

Term - Spring 2013

Enrollment: 180

'	8 0 1 4 14 27 31 4.08 1108/155 6 0 3 7 20 20 29 3.82 1192/137 8 26 1 5 7 21 17 3.94 1130/157 8 6 5 5 9 25 27 3.90 1056/145 8 34 2 6 7 11 17 3.81 1055/143 7 0 0 2 4 18 54 4.59 456/153 7 0 0 0 8 70 4.90 478/156 15 0 4 3 11 37 15 3.80 1181/154 10 0 0 2 3 20 50 4.57 782/149 11 0 0 1 5 6 62 4.74 954/149 11 0 3 4 7 16 44 4.27 977/149						structor	Course	Org	UMBC	Level	Sect		
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	6	0	0	2	10	26	41	4.34	875/1560	4.34	4.37	4.35	4.17	4.34
2. Did the instructor make clear the expected goals	8	0	1	4	14	27	31	4.08	1108/1559	4.08	4.15	4.31	4.25	4.08
3. Did the exam questions reflect the expected goals	6	0	3	7	20	20	29	3.82	1192/1371	3.82	4.34	4.38	4.27	3.82
4. Did other evaluations reflect the expected goals	8	26	1	5	7	21	17	3.94	1130/1519	3.94	4.27	4.27	4.13	3.94
5. Did assigned readings contribute to what you learned	8	6	5	5	9	25	27	3.90	1056/1452	3.90	4.06	4.18	4.04	3.90
6. Did written assignments contribute to what you learned	8	34	2	6	7	11	17	3.81	1055/1430	3.81	4.25	4.16	3.98	3.81
7. Was the grading system clearly explained	7	0	0	2	4	18	54	4.59	456/1539	4.59	4.29	4.23	4.18	4.59
8. How many times was class cancelled	7	0	0	0	0	8	70	4.90	478/1560	4.90	4.69	4.64	4.57	4.90
9. How would you grade the overall teaching effectiveness	15	0	4	3	11	37	15	3.80	1181/1545	3.80	3.93	4.14	4.07	3.80
Lecture														
1. Were the instructor's lectures well prepared	10	0	0	2	3	20	50	4.57	782/1496	4.57	4.35	4.49	4.43	4.57
2. Did the instructor seem interested in the subject	11	0	0	1	5	6	62	4.74	954/1498	4.74	4.75	4.75	4.67	4.74
3. Was lecture material presented and explained clearly	11	0	5	4	6	24	35	4.08	1133/1496	4.08	4.11	4.37	4.31	4.08
4. Did the lectures contribute to what you learned	11	0	3	4	7	16	44	4.27	977/1494	4.27	4.18	4.37	4.28	4.27
5. Did audiovisual techniques enhance your understanding	11	3	3	3	5	9	51	4.44	437/1352	4.44	3.98	4.12	3.98	4.44
Discussion														
1. Did class discussions contribute to what you learned	68	0	2	2	3	3	7	3.65	****/1248	****	4.25	4.23	3.95	****
2. Were all students actively encouraged to participate	68	0	1	2	2	4	8	3.94	****/1250	****	4.26	4.39	4.13	****
3. Did the instructor encourage fair and open discussion	69	0	0	2	2	3	9	4.19	****/1239	****	4.45	4.45	4.18	****
4. Were special techniques successful	69	2	1	1	2	4	6	3.93	****/906	****	3.81	4.13	3.98	****

Course-Section: PHYS 112 01

Title: Basic Physics II

Instructor: Cui,Lili

Term - Spring 2013

Enrollment: 180

				Fre	quend	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
1. Did the lab increase understanding of the material	47	0	2	6	12	8	10	3.47	195/206	3.47	3.92	4.25	4.15	3.47
2. Were you provided with adequate background information	47	0	4	5	6	7	16	3.68	196/214	3.68	3.93	4.31	4.30	3.68
3. Were necessary materials available for lab activities	47	0	2	1	6	7	22	4.21	171/204	4.21	4.38	4.52	4.54	4.21
4. Did the lab instructor provide assistance	47	0	1	2	6	6	23	4.26	150/207	4.26	4.27	4.44	4.50	4.26
5. Were requirements for lab reports clearly specified	47	13	1	3	6	5	10	3.80	163/199	3.80	4.02	4.27	4.31	3.80
Seminar														
1. Were assigned topics relevant to the announced theme	81	0	0	0	0	0	4	5.00	****/64	****	5.00	4.44	4.50	****
2. Was the instructor available for individual attention	81	0	0	0	0	0	4	5.00	****/58	****	****	4.37	4.32	****
3. Did research projects contribute to what you learned	81	1	0	0	0	0	3	5.00	****/52	****	****	4.41	4.33	****
4. Did presentations contribute to what you learned	81	0	0	0	0	0	4	5.00	****/66	****	4.00	4.41	4.53	****
5. Were criteria for grading made clear	81	0	0	0	0	0	4	5.00	****/63	****	****	4.09	4.17	****
Field Work														
1. Did field experience contribute to what you learned	82	0	0	0	0	0	3	5.00	****/29	****	****	4.19	3.64	****
2. Did you clearly understand your evaluation criteria	82	0	0	0	0	0	3	5.00	****/29	****	****	4.11	4.21	****
3. Was the instructor available for consultation	82	0	0	0	0	0	3	5.00	****/24	****	****	4.25	5.00	****
4. To what degree could you discuss your evaluations	82	0	0	0	0	1	2	4.67	****/26	****	****	3.89	5.00	****
5. Did conferences help you carry out field activities	82	1	0	0	0	0	2	5.00	****/25	****	****	4.01	5.00	****
Self Paced														
1. Did self-paced system contribute to what you learned	83	0	0	0	0	0	2	5.00	****/31	****	****	4.35	4.54	****
2. Did study questions make clear the expected goal	83	0	0	0	0	1	1	4.50	****/22	****	****	4.13	4.42	****
3. Were your contacts with the instructor helpful	83	0	0	0	0	1	1	4.50	****/29	****	****	4.41	4.61	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 112 01

Title: Basic Physics II

Instructor: Cui,Lili

Term - Spring 2013

Enrollment: 180

Questionnaires: 85

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Self Paced														
4. Was the feedback/tutoring by proctors helpful	83	1	0	0	0	0	1	5.00	****/14	****	****	4.03	4.38	****
5. Were there enough proctors for all the students	83	1	0	0	0	0	1	5.00	****/10	****	****	3.94	5.00	****

Credits E	arned	Cum. GP.	A	Expected	l Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	Α	27	Required for Majors	63	Graduate	0	Major	0
28-55	0	1.00-1.99	0	В	30						
56-83	6	2.00-2.99	5	С	9	General	1	Under-grad	85	Non-major	85
84-150	18	3.00-3.49	11	D	1						
Grad.	0	3.50-4.00	17	F	1	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				1	0	Other	0				
				?	16						

Course-Section: PHYS 121 01

Title: Introductory Physics I

Instructor: Cui,Lili

Term - Spring 2013

Enrollment: 254

		0 5 7 30 57 59 0 4 8 29 57 61 2 2 5 24 49 77 1 45 3 6 23 51 29 1 19 20 13 35 40 28 2 83 8 9 23 16 16 3 1 2 22 46 80 4 0 1 0 13 54 85 4 2 2 4 36 62 27 8 0 1 1 17 51 83 8 0 0 6 20 127 8 0 4 7 34 58 51 9 1 4 8 22 50 70 8 1 5 29 52 61				Ins	structor	Course	Org	UMBC	Level	Sect		
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	9	0	5	7	30	57	59	4.00	1193/1560	4.00	4.37	4.35	4.17	4.00
2. Did the instructor make clear the expected goals	8	0	4	8	29	57	61	4.03	1143/1559	4.03	4.15	4.31	4.25	4.03
3. Did the exam questions reflect the expected goals	8	2	2	5	24	49	77	4.24	907/1371	4.24	4.34	4.38	4.27	4.24
4. Did other evaluations reflect the expected goals	10	45	3	6	23	51	29	3.87	1211/1519	3.87	4.27	4.27	4.13	3.87
5. Did assigned readings contribute to what you learned	12	19	20	13	35	40	28	3.32	1354/1452	3.32	4.06	4.18	4.04	3.32
6. Did written assignments contribute to what you learned	12	83	8	9	23	16	16	3.32	1328/1430	3.32	4.25	4.16	3.98	3.32
7. Was the grading system clearly explained	13	3	1	2	22	46	80	4.34	761/1539	4.34	4.29	4.23	4.18	4.34
8. How many times was class cancelled	14	0	1	0	13	54	85	4.45	1110/1560	4.45	4.69	4.64	4.57	4.45
9. How would you grade the overall teaching effectiveness	34	2	2	4	36	62	27	3.82	1164/1545	3.82	3.93	4.14	4.07	3.82
Lecture														
1. Were the instructor's lectures well prepared	14	0	1	1	17	51	83	4.40	1018/1496	4.40	4.35	4.49	4.43	4.40
2. Did the instructor seem interested in the subject	14	0	0	0	6	20	127	4.79	869/1498	4.79	4.75	4.75	4.67	4.79
3. Was lecture material presented and explained clearly	13	0	4	7	34	58	51	3.94	1222/1496	3.94	4.11	4.37	4.31	3.94
4. Did the lectures contribute to what you learned	12	1	4	8	22	50	70	4.13	1091/1494	4.13	4.18	4.37	4.28	4.13
5. Did audiovisual techniques enhance your understanding	15	4	1	5	29	52	61	4.13	754/1352	4.13	3.98	4.12	3.98	4.13
Discussion														
1. Did class discussions contribute to what you learned	18	0	5	11	31	43	59	3.94	887/1248	3.94	4.25	4.23	3.95	3.94
2. Were all students actively encouraged to participate	18	0	3	10	25	40	71	4.11	912/1250	4.11	4.26	4.39	4.13	4.11
3. Did the instructor encourage fair and open discussion	20	0	3	5	35	41	63	4.06	954/1239	4.06	4.45	4.45	4.18	4.06
4. Were special techniques successful	21	22	4	10	16	42	52	4.03	508/906	4.03	3.81	4.13	3.98	4.03

Course-Section: PHYS 121 01

Title: Introductory Physics I

Instructor: Cui,Lili

Term - Spring 2013

Enrollment: 254

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
1. Did the lab increase understanding of the material	160	1	0	1	0	1	4	4.33	****/206	****	3.92	4.25	4.15	****
2. Were you provided with adequate background information	160	0	1	0	1	1	4	4.00	****/214	****	3.93	4.31	4.30	****
3. Were necessary materials available for lab activities	160	1	1	0	0	1	4	4.17	****/204	****	4.38	4.52	4.54	****
4. Did the lab instructor provide assistance	160	1	1	0	0	2	3	4.00	****/207	****	4.27	4.44	4.50	****
5. Were requirements for lab reports clearly specified	160	3	2	0	0	0	2	3.00	****/199	****	4.02	4.27	4.31	****
Seminar														
1. Were assigned topics relevant to the announced theme	163	1	2	0	0	0	1	2.33	****/64	****	5.00	4.44	4.50	****
2. Was the instructor available for individual attention	163	3	1	0	0	0	0	1.00	****/58	****	****	4.37	4.32	****
3. Did research projects contribute to what you learned	163	3	1	0	0	0	0	1.00	****/52	****	****	4.41	4.33	****
4. Did presentations contribute to what you learned	163	3	1	0	0	0	0	1.00	****/66	****	4.00	4.41	4.53	****
5. Were criteria for grading made clear	163	2	1	0	0	0	1	3.00	****/63	****	****	4.09	4.17	****
Field Work														
1. Did field experience contribute to what you learned	163	0	4	0	0	0	0	1.00	****/29	****	****	4.19	3.64	****
2. Did you clearly understand your evaluation criteria	163	0	3	0	0	0	1	2.00	****/29	****	****	4.11	4.21	****
5. Did conferences help you carry out field activities	163	3	1	0	0	0	0	1.00	****/25	****	****	4.01	5.00	****
Self Paced														
1. Did self-paced system contribute to what you learned	163	0	0	1	1	2	0	3.25	****/31	****	****	4.35	4.54	****
2. Did study questions make clear the expected goal	164	1	0	0	1	0	1	4.00	****/22	****	****	4.13	4.42	****
3. Were your contacts with the instructor helpful	163	1	1	0	1	0	1	3.00	****/29	****	****	4.41	4.61	****
4. Was the feedback/tutoring by proctors helpful	163	1	0	1	1	1	0	3.00	****/14	****	****	4.03	4.38	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 121 01

Title: Introductory Physics I

Instructor: Cui,Lili

Term - Spring 2013

Enrollment: 254

Questionnaires: 167

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Self Paced														
5. Were there enough proctors for all the students	163	1	1	0	1	0	1	3.00	****/10	****	****	3.94	5.00	****

Credits E	arned	Cum. GP.	A	Expected	l Grades	Reasons		Туре		Majors	
00-27	36	0.00-0.99	1	Α	70	Required for Majors	139	Graduate	1	Major	0
28-55	35	1.00-1.99	2	В	54						
56-83	8	2.00-2.99	9	С	22	General	5	Under-grad	166	Non-major	167
84-150	5	3.00-3.49	25	D	1						
Grad.	1	3.50-4.00	57	F	0	Electives	2	**** - Means the	ere are not e	nough responses	
				Р	0			to be significan	t		
				1	0	Other	1				
				?	17						

Course-Section: PHYS 122 01

Title: Introductory Physics II

Instructor: Anderson, Eric C

Term - Spring 2013

Enrollment: 195

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	4	0	2	3	12	18	34	4.14	1100/1560	4.14	4.37	4.35	4.17	4.14
2. Did the instructor make clear the expected goals	3	0	5	0	17	20	28	3.94	1221/1559	3.94	4.15	4.31	4.25	3.94
3. Did the exam questions reflect the expected goals	4	0	2	6	6	20	35	4.16	975/1371	4.16	4.34	4.38	4.27	4.16
4. Did other evaluations reflect the expected goals	3	28	2	6	4	11	19	3.93	1153/1519	3.93	4.27	4.27	4.13	3.93
5. Did assigned readings contribute to what you learned	5	16	5	4	10	11	22	3.79	1134/1452	3.79	4.06	4.18	4.04	3.79
6. Did written assignments contribute to what you learned	5	43	3	1	5	5	11	3.80	1061/1430	3.80	4.25	4.16	3.98	3.80
7. Was the grading system clearly explained	4	0	2	5	4	14	44	4.35	749/1539	4.35	4.29	4.23	4.18	4.35
8. How many times was class cancelled	4	1	0	0	0	13	55	4.81	695/1560	4.81	4.69	4.64	4.57	4.81
9. How would you grade the overall teaching effectiveness	10	0	6	4	15	24	14	3.57	1309/1545	3.57	3.93	4.14	4.07	3.57
Lecture														
1. Were the instructor's lectures well prepared	5	0	7	4	11	16	30	3.85	1358/1496	3.85	4.35	4.49	4.43	3.85
2. Did the instructor seem interested in the subject	5	0	3	2	3	13	47	4.46	1278/1498	4.46	4.75	4.75	4.67	4.46
3. Was lecture material presented and explained clearly	5	0	6	4	13	18	27	3.82	1285/1496	3.82	4.11	4.37	4.31	3.82
4. Did the lectures contribute to what you learned	5	0	7	6	10	15	30	3.81	1281/1494	3.81	4.18	4.37	4.28	3.81
5. Did audiovisual techniques enhance your understanding	6	8	2	5	13	19	20	3.85	986/1352	3.85	3.98	4.12	3.98	3.85
Discussion														
1. Did class discussions contribute to what you learned	18	0	8	4	4	18	21	3.73	996/1248	3.73	4.25	4.23	3.95	3.73
2. Were all students actively encouraged to participate	18	0	2	2	12	11	28	4.11	919/1250	4.11	4.26	4.39	4.13	4.11
3. Did the instructor encourage fair and open discussion	18	0	3	3	12	13	24	3.95	1015/1239	3.95	4.45	4.45	4.18	3.95
4. Were special techniques successful	19	12	4	1	7	15	15	3.86	651/906	3.86	3.81	4.13	3.98	3.86

Course-Section: PHYS 122 01

Title: Introductory Physics II

Instructor: Anderson, Eric C

Term - Spring 2013

Enrollment: 195

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
1. Did the lab increase understanding of the material	69	0	1	0	0	1	2	3.75	****/206	****	3.92	4.25	4.15	****
2. Were you provided with adequate background information	70	0	1	0	0	1	1	3.33	****/214	****	3.93	4.31	4.30	****
3. Were necessary materials available for lab activities	69	0	0	0	1	0	3	4.50	****/204	****	4.38	4.52	4.54	****
4. Did the lab instructor provide assistance	69	0	1	0	0	0	3	4.00	****/207	****	4.27	4.44	4.50	****
5. Were requirements for lab reports clearly specified	69	3	1	0	0	0	0	1.00	****/199	****	4.02	4.27	4.31	****
Seminar														
1. Were assigned topics relevant to the announced theme	72	0	0	0	0	0	1	5.00	****/64	****	5.00	4.44	4.50	****
2. Was the instructor available for individual attention	72	0	0	0	0	0	1	5.00	****/58	****	****	4.37	4.32	****
5. Were criteria for grading made clear	72	0	1	0	0	0	0	1.00	****/63	****	****	4.09	4.17	****
Field Work														
1. Did field experience contribute to what you learned	72	0	0	0	1	0	0	3.00	****/29	****	****	4.19	3.64	****
2. Did you clearly understand your evaluation criteria	72	0	1	0	0	0	0	1.00	****/29	****	****	4.11	4.21	****
3. Was the instructor available for consultation	72	0	0	0	1	0	0	3.00	****/24	****	****	4.25	5.00	****
4. To what degree could you discuss your evaluations	72	0	1	0	0	0	0	1.00	****/26	****	****	3.89	5.00	****
5. Did conferences help you carry out field activities	72	0	1	0	0	0	0	1.00	****/25	****	****	4.01	5.00	****
Self Paced														
1. Did self-paced system contribute to what you learned	72	0	1	0	0	0	0	1.00	****/31	****	****	4.35	4.54	****
3. Were your contacts with the instructor helpful	72	0	0	0	1	0	0	3.00	****/29	****	****	4.41	4.61	****
4. Was the feedback/tutoring by proctors helpful	72	0	1	0	0	0	0	1.00	****/14	****	****	4.03	4.38	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 122 01

Title: Introductory Physics II

Instructor: Anderson, Eric C

Term - Spring 2013

Enrollment: 195

Questionnaires: 73

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Self Paced														
5. Were there enough proctors for all the students	72	0	1	0	0	0	0	1.00	****/10	****	****	3.94	5.00	****

Credits E	arned	Cum. GP.	A	Expected	l Grades	Reasons		Туре		Majors	
00-27	5	0.00-0.99	0	Α	34	Required for Majors	57	Graduate	0	Major	7
28-55	9	1.00-1.99	0	В	24						
56-83	16	2.00-2.99	3	С	8	General	6	Under-grad	73	Non-major	66
84-150	6	3.00-3.49	11	D	0						
Grad.	0	3.50-4.00	32	F	0	Electives	1	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				1	0	Other	1				
				?	7						

Course-Section: PHYS 122H 01

Title: Introductory Physics II

Instructor: Anderson, Eric C

Term - Spring 2013

Enrollment: 32

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	4	5	4.56	603/1560	4.56	4.37	4.35	4.17	4.56
2. Did the instructor make clear the expected goals	0	0	0	0	3	2	4	4.11	1077/1559	4.11	4.15	4.31	4.25	4.11
3. Did the exam questions reflect the expected goals	0	0	0	0	0	4	5	4.56	573/1371	4.56	4.34	4.38	4.27	4.56
4. Did other evaluations reflect the expected goals	0	6	0	0	1	0	2	4.33	779/1519	4.33	4.27	4.27	4.13	4.33
5. Did assigned readings contribute to what you learned	0	4	0	1	0	1	3	4.20	761/1452	4.20	4.06	4.18	4.04	4.20
6. Did written assignments contribute to what you learned	0	7	0	0	0	0	2	5.00	****/1430	****	4.25	4.16	3.98	****
7. Was the grading system clearly explained	0	0	0	0	0	3	6	4.67	349/1539	4.67	4.29	4.23	4.18	4.67
8. How many times was class cancelled	0	0	0	0	0	2	7	4.78	743/1560	4.78	4.69	4.64	4.57	4.78
9. How would you grade the overall teaching effectiveness	2	0	0	0	2	4	1	3.86	1140/1545	4.23	3.93	4.14	4.07	4.23
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	3	1	4	4.13	1236/1496	4.06	4.35	4.49	4.43	4.06
2. Did the instructor seem interested in the subject	1	0	0	0	0	2	6	4.75	937/1498	4.88	4.75	4.75	4.67	4.88
3. Was lecture material presented and explained clearly	1	0	0	0	2	2	4	4.25	990/1496	4.23	4.11	4.37	4.31	4.23
4. Did the lectures contribute to what you learned	1	0	0	1	0	1	6	4.50	726/1494	4.05	4.18	4.37	4.28	4.05
5. Did audiovisual techniques enhance your understanding	1	0	0	1	3	2	2	3.63	1113/1352	3.19	3.98	4.12	3.98	3.19
Discussion														
1. Did class discussions contribute to what you learned	0	0	0	1	1	3	4	4.11	785/1248	4.11	4.25	4.23	3.95	4.11
2. Were all students actively encouraged to participate	0	0	0	0	4	1	4	4.00	945/1250	4.00	4.26	4.39	4.13	4.00
3. Did the instructor encourage fair and open discussion	1	0	0	0	1	2	5	4.50	677/1239	4.50	4.45	4.45	4.18	4.50

Student Course Evaluation Questionnaires

Course-Section: PHYS 122H 01

Title: Introductory Physics II

Instructor: Anderson, Eric C

Term - Spring 2013

Enrollment: 32

Questionnaires: 9

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
4. Were special techniques successful	0	2	1	0	1	4	1	3.57	752/906	3.57	3.81	4.13	3.98	3.57

Credits Ea	arned	Cum. GP	١	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	7	Required for Majors	7	Graduate	0	Major	6
28-55	6	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	0	С	0	General	1	Under-grad	9	Non-major	3
84-150	1	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	7	F	0	Electives	0	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	1						

Course-Section: PHYS 122H 01

Title: Introductory Physics II

Instructor: Worchesky, Terra

Term - Spring 2013

Enrollment: 32

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	4	5	4.56	603/1560	4.56	4.37	4.35	4.17	4.56
2. Did the instructor make clear the expected goals	0	0	0	0	3	2	4	4.11	1077/1559	4.11	4.15	4.31	4.25	4.11
3. Did the exam questions reflect the expected goals	0	0	0	0	0	4	5	4.56	573/1371	4.56	4.34	4.38	4.27	4.56
4. Did other evaluations reflect the expected goals	0	6	0	0	1	0	2	4.33	779/1519	4.33	4.27	4.27	4.13	4.33
5. Did assigned readings contribute to what you learned	0	4	0	1	0	1	3	4.20	761/1452	4.20	4.06	4.18	4.04	4.20
6. Did written assignments contribute to what you learned	0	7	0	0	0	0	2	5.00	****/1430	****	4.25	4.16	3.98	****
7. Was the grading system clearly explained	0	0	0	0	0	3	6	4.67	349/1539	4.67	4.29	4.23	4.18	4.67
8. How many times was class cancelled	0	0	0	0	0	2	7	4.78	743/1560	4.78	4.69	4.64	4.57	4.78
9. How would you grade the overall teaching effectiveness	4	0	0	0	1	0	4	4.60	314/1545	4.23	3.93	4.14	4.07	4.23
Lecture														
1. Were the instructor's lectures well prepared	4	0	0	0	2	1	2	4.00	1281/1496	4.06	4.35	4.49	4.43	4.06
2. Did the instructor seem interested in the subject	4	0	0	0	0	0	5	5.00	1/1498	4.88	4.75	4.75	4.67	4.88
3. Was lecture material presented and explained clearly	4	0	0	0	1	2	2	4.20	1035/1496	4.23	4.11	4.37	4.31	4.23
4. Did the lectures contribute to what you learned	4	0	1	0	0	3	1	3.60	1361/1494	4.05	4.18	4.37	4.28	4.05
5. Did audiovisual techniques enhance your understanding	4	1	0	2	1	1	0	2.75	1313/1352	3.19	3.98	4.12	3.98	3.19
Discussion														
1. Did class discussions contribute to what you learned	0	0	0	1	1	3	4	4.11	785/1248	4.11	4.25	4.23	3.95	4.11
2. Were all students actively encouraged to participate	0	0	0	0	4	1	4	4.00	945/1250	4.00	4.26	4.39	4.13	4.00
3. Did the instructor encourage fair and open discussion	1	0	0	0	1	2	5	4.50	677/1239	4.50	4.45	4.45	4.18	4.50

Student Course Evaluation Questionnaires

Course-Section: PHYS 122H 01

Title: Introductory Physics II

Instructor: Worchesky, Terra

Term - Spring 2013

Enrollment: 32

Questionnaires: 9

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
4. Were special techniques successful	0	2	1	0	1	4	1	3.57	752/906	3.57	3.81	4.13	3.98	3.57

Credits E	arned	Cum. GP	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	7	Required for Majors	7	Graduate	0	Major	6
28-55	6	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	0	С	0	General	1	Under-grad	9	Non-major	3
84-150	1	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	7	F	0	Electives	0	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	1						

Course-Section: PHYS 122L 01

Title: Introductory Physics Lab

Instructor: Takacs, Laszlo

Term - Spring 2013

Enrollment: 31

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	9	4	8	3	3.21	1531/1560	3.21	4.37	4.35	4.17	3.21
2. Did the instructor make clear the expected goals	0	0	5	6	10	3	0	2.46	1552/1559	2.46	4.15	4.31	4.25	2.46
3. Did the exam questions reflect the expected goals	1	4	6	4	6	3	0	2.32	1369/1371	2.32	4.34	4.38	4.27	2.32
4. Did other evaluations reflect the expected goals	0	0	1	5	5	10	3	3.38	1449/1519	3.38	4.27	4.27	4.13	3.38
5. Did assigned readings contribute to what you learned	1	12	1	1	1	5	3	3.73	1176/1452	3.73	4.06	4.18	4.04	3.73
6. Did written assignments contribute to what you learned	1	0	0	3	8	5	7	3.70	1136/1430	3.70	4.25	4.16	3.98	3.70
7. Was the grading system clearly explained	1	0	3	4	5	6	5	3.26	1431/1539	3.26	4.29	4.23	4.18	3.26
8. How many times was class cancelled	1	1	0	0	0	0	22	5.00	1/1560	5.00	4.69	4.64	4.57	5.00
9. How would you grade the overall teaching effectiveness	6	1	3	7	5	2	0	2.35	1529/1545	2.35	3.93	4.14	4.07	2.35
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	6	9	7	2	3.21	1465/1496	3.21	4.35	4.49	4.43	3.21
2. Did the instructor seem interested in the subject	0	0	0	1	1	3	19	4.67	1077/1498	4.67	4.75	4.75	4.67	4.67
3. Was lecture material presented and explained clearly	0	0	5	3	11	5	0	2.67	1479/1496	2.67	4.11	4.37	4.31	2.67
4. Did the lectures contribute to what you learned	0	0	9	6	4	4	1	2.25	1488/1494	2.25	4.18	4.37	4.28	2.25
5. Did audiovisual techniques enhance your understanding	0	7	6	5	6	0	0	2.00	1342/1352	2.00	3.98	4.12	3.98	2.00
Discussion														
1. Did class discussions contribute to what you learned	21	0	2	0	0	1	0	2.00	****/1248	****	4.25	4.23	3.95	****
2. Were all students actively encouraged to participate	21	0	0	2	0	0	1	3.00	****/1250	****	4.26	4.39	4.13	****
3. Did the instructor encourage fair and open discussion	21	0	0	1	0	1	1	3.67	****/1239	****	4.45	4.45	4.18	****
Laboratory														
1. Did the lab increase understanding of the material	2	1	1	2	8	4	6	3.57	189/206	3.57	3.92	4.25	4.15	3.57

Student Course Evaluation Questionnaires

Course-Section: PHYS 122L 01

Title: Introductory Physics Lab

Instructor: Takacs,Laszlo

Term - Spring 2013

Enrollment: 31
Questionnaires: 24

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
2. Were you provided with adequate background information	2	0	3	4	6	8	1	3.00	208/214	3.00	3.93	4.31	4.30	3.00
3. Were necessary materials available for lab activities	2	0	1	3	6	7	5	3.55	199/204	3.55	4.38	4.52	4.54	3.55
4. Did the lab instructor provide assistance	2	0	3	2	3	8	6	3.55	198/207	3.55	4.27	4.44	4.50	3.55
5. Were requirements for lab reports clearly specified	2	0	3	2	5	6	6	3.45	186/199	3.45	4.02	4.27	4.31	3.45

Credits E	arned	Cum. GP.	A	Expected	Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	Α	3	Required for Majors	13	Graduate	0	Major	9
28-55	7	1.00-1.99	0	В	15						
56-83	4	2.00-2.99	1	С	2	General	8	Under-grad	24	Non-major	15
84-150	7	3.00-3.49	3	D	1						
Grad.	0	3.50-4.00	16	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				1	0	Other	0				
				?	2						

Course-Section: PHYS 220 01

Title: Intro Computational Phys

Instructor: McCann, Kevin J

Term - Spring 2013

Enrollment: 29

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	1	1	4	10	4.44	764/1560	4.44	4.37	4.35	4.37	4.44
2. Did the instructor make clear the expected goals	0	0	0	0	2	4	10	4.50	627/1559	4.50	4.15	4.31	4.33	4.50
3. Did the exam questions reflect the expected goals	0	15	0	0	0	0	1	5.00	****/1371	****	4.34	4.38	4.40	****
4. Did other evaluations reflect the expected goals	0	1	0	0	0	6	9	4.60	435/1519	4.60	4.27	4.27	4.29	4.60
5. Did assigned readings contribute to what you learned	0	8	0	0	0	2	6	4.75	202/1452	4.75	4.06	4.18	4.22	4.75
6. Did written assignments contribute to what you learned	0	10	0	0	0	3	3	4.50	427/1430	4.50	4.25	4.16	4.15	4.50
7. Was the grading system clearly explained	0	1	0	1	2	1	11	4.47	594/1539	4.47	4.29	4.23	4.25	4.47
8. How many times was class cancelled	0	1	0	0	0	0	15	5.00	1/1560	5.00	4.69	4.64	4.61	5.00
9. How would you grade the overall teaching effectiveness	3	0	0	0	0	7	6	4.46	462/1545	4.46	3.93	4.14	4.09	4.46
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	1	15	4.94	159/1496	4.94	4.35	4.49	4.52	4.94
2. Did the instructor seem interested in the subject	0	0	0	0	0	2	14	4.88	644/1498	4.88	4.75	4.75	4.78	4.88
3. Was lecture material presented and explained clearly	0	0	0	0	0	5	11	4.69	476/1496	4.69	4.11	4.37	4.36	4.69
4. Did the lectures contribute to what you learned	0	0	0	1	1	1	13	4.63	583/1494	4.63	4.18	4.37	4.41	4.63
5. Did audiovisual techniques enhance your understanding	0	1	0	0	1	4	10	4.60	266/1352	4.60	3.98	4.12	4.14	4.60
Discussion														
1. Did class discussions contribute to what you learned	14	0	0	0	1	1	0	3.50	****/1248	****	4.25	4.23	4.25	****
2. Were all students actively encouraged to participate	14	0	0	0	1	1	0	3.50	****/1250	****	4.26	4.39	4.40	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 220 01

Title: Intro Computational Phys

Instructor: McCann, Kevin J

Term - Spring 2013

Enrollment: 29

Questionnaires: 16

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
3. Did the instructor encourage fair and open discussion	14	0	0	0	0	2	0	4.00	****/1239	****	4.45	4.45	4.45	****

Credits Ea	arned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	9	Required for Majors	14	Graduate	0	Major	14
28-55	1	1.00-1.99	0	В	5						
56-83	4	2.00-2.99	0	С	0	General	0	Under-grad	16	Non-major	2
84-150	4	3.00-3.49	3	D	0						
Grad.	0	3.50-4.00	4	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	2						

Course-Section: PHYS 224 01

Title: Introductory Physics III

Instructor: Turner, Tracey J

Term - Spring 2013

Enrollment: 24

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	2	3	5	4.30	920/1560	4.30	4.37	4.35	4.37	4.30
2. Did the instructor make clear the expected goals	0	0	0	1	1	3	5	4.20	993/1559	4.20	4.15	4.31	4.33	4.20
3. Did the exam questions reflect the expected goals	0	0	0	0	1	2	7	4.60	513/1371	4.60	4.34	4.38	4.40	4.60
4. Did other evaluations reflect the expected goals	0	4	0	0	1	2	3	4.33	779/1519	4.33	4.27	4.27	4.29	4.33
5. Did assigned readings contribute to what you learned	0	1	1	0	3	2	3	3.67	1214/1452	3.67	4.06	4.18	4.22	3.67
6. Did written assignments contribute to what you learned	0	1	0	1	0	2	6	4.44	506/1430	4.44	4.25	4.16	4.15	4.44
7. Was the grading system clearly explained	0	0	0	0	2	4	4	4.20	913/1539	4.20	4.29	4.23	4.25	4.20
8. How many times was class cancelled	0	0	0	0	1	5	4	4.30	1254/1560	4.30	4.69	4.64	4.61	4.30
9. How would you grade the overall teaching effectiveness	1	0	0	2	0	6	1	3.67	1264/1545	3.67	3.93	4.14	4.09	3.67
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	2	8	4.80	402/1496	4.80	4.35	4.49	4.52	4.80
2. Did the instructor seem interested in the subject	0	0	0	1	2	2	5	4.10	1430/1498	4.10	4.75	4.75	4.78	4.10
3. Was lecture material presented and explained clearly	0	0	0	0	2	4	4	4.20	1035/1496	4.20	4.11	4.37	4.36	4.20
4. Did the lectures contribute to what you learned	0	0	2	0	1	2	5	3.80	1281/1494	3.80	4.18	4.37	4.41	3.80
5. Did audiovisual techniques enhance your understanding	0	1	0	1	2	1	5	4.11	763/1352	4.11	3.98	4.12	4.14	4.11
Discussion														
1. Did class discussions contribute to what you learned	6	0	0	0	1	2	1	4.00	822/1248	4.00	4.25	4.23	4.25	4.00
2. Were all students actively encouraged to participate	6	0	1	0	1	1	1	3.25	1199/1250	3.25	4.26	4.39	4.40	3.25
3. Did the instructor encourage fair and open discussion	6	0	0	1	1	1	1	3.50	1164/1239	3.50	4.45	4.45	4.45	3.50
4. Were special techniques successful	6	1	0	0	1	1	1	4.00	519/906	4.00	3.81	4.13	4.19	4.00

Course-Section: PHYS 224 01

Title: Introductory Physics III

Instructor: Turner, Tracey J

Term - Spring 2013

Enrollment: 24

'				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
1. Did the lab increase understanding of the material	9	0	0	0	0	1	0	4.00	****/206	****	3.92	4.25	4.58	****
2. Were you provided with adequate background information	9	0	0	0	0	1	0	4.00	****/214	****	3.93	4.31	4.60	****
3. Were necessary materials available for lab activities	9	0	0	0	0	1	0	4.00	****/204	****	4.38	4.52	4.64	****
4. Did the lab instructor provide assistance	9	0	0	0	0	1	0	4.00	****/207	****	4.27	4.44	4.67	****
5. Were requirements for lab reports clearly specified	9	0	0	0	0	1	0	4.00	****/199	****	4.02	4.27	4.51	****
Seminar														
1. Were assigned topics relevant to the announced theme	9	0	0	0	0	1	0	4.00	****/64	****	5.00	4.44	4.35	****
2. Was the instructor available for individual attention	9	0	0	0	0	1	0	4.00	****/58	****	****	4.37	4.33	****
3. Did research projects contribute to what you learned	9	0	0	0	0	1	0	4.00	****/52	****	****	4.41	4.33	****
4. Did presentations contribute to what you learned	9	0	0	0	0	0	1	5.00	****/66	****	4.00	4.41	4.25	****
5. Were criteria for grading made clear	9	0	0	0	0	0	1	5.00	****/63	****	****	4.09	3.65	****
Field Work														
1. Did field experience contribute to what you learned	9	0	0	0	0	0	1	5.00	****/29	****	****	4.19	5.00	****
2. Did you clearly understand your evaluation criteria	9	0	0	0	0	0	1	5.00	****/29	****	****	4.11	4.25	****
3. Was the instructor available for consultation	9	0	0	0	0	0	1	5.00	****/24	****	****	4.25	4.50	****
4. To what degree could you discuss your evaluations	9	0	0	0	0	0	1	5.00	****/26	****	****	3.89	4.00	****
5. Did conferences help you carry out field activities	9	0	0	0	0	0	1	5.00	****/25	****	****	4.01	4.75	****
Self Paced														
1. Did self-paced system contribute to what you learned	9	0	0	0	0	0	1	5.00	****/31	****	****	4.35	4.75	****
2. Did study questions make clear the expected goal	9	0	0	0	0	0	1	5.00	****/22	****	****	4.13	5.00	****
3. Were your contacts with the instructor helpful	9	0	0	0	0	0	1	5.00	****/29	****	****	4.41	5.00	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 224 01

Title: Introductory Physics III

Instructor: Turner, Tracey J

Term - Spring 2013

Enrollment: 24

Questionnaires: 10

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Self Paced														
4. Was the feedback/tutoring by proctors helpful	9	0	0	0	0	0	1	5.00	****/14	****	****	4.03	4.75	****
5. Were there enough proctors for all the students	9	0	0	0	0	0	1	5.00	****/10	****	****	3.94	4.75	****

Credits E	arned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	7	Required for Majors	6	Graduate	0	Major	5
28-55	1	1.00-1.99	0	В	3						
56-83	2	2.00-2.99	2	С	0	General	2	Under-grad	10	Non-major	5
84-150	3	3.00-3.49	1	D	0						
Grad.	0	3.50-4.00	4	F	0	Electives	1	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	1				
				?	0						

Course-Section: PHYS 225 01

Title: Introduction to MRI

Instructor: Kochunov, Peter

Term - Spring 2013

Enrollment: 4

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	0	3	5.00	1/1560	5.00	4.37	4.35	4.37	5.00
2. Did the instructor make clear the expected goals	0	0	0	0	0	2	1	4.33	856/1559	4.33	4.15	4.31	4.33	4.33
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	2	4.67	442/1371	4.67	4.34	4.38	4.40	4.67
4. Did other evaluations reflect the expected goals	0	0	0	0	0	0	3	5.00	1/1519	5.00	4.27	4.27	4.29	5.00
5. Did assigned readings contribute to what you learned	0	0	0	0	0	1	2	4.67	272/1452	4.67	4.06	4.18	4.22	4.67
6. Did written assignments contribute to what you learned	0	0	0	0	1	0	2	4.33	626/1430	4.33	4.25	4.16	4.15	4.33
7. Was the grading system clearly explained	0	0	0	0	0	0	3	5.00	1/1539	5.00	4.29	4.23	4.25	5.00
8. How many times was class cancelled	0	0	0	0	0	2	1	4.33	1228/1560	4.33	4.69	4.64	4.61	4.33
9. How would you grade the overall teaching effectiveness	0	1	0	0	1	1	0	3.50	1342/1545	3.50	3.93	4.14	4.09	3.50
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	3	5.00	1/1496	5.00	4.35	4.49	4.52	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	1	2	4.67	1077/1498	4.67	4.75	4.75	4.78	4.67
3. Was lecture material presented and explained clearly	0	0	0	0	1	1	1	4.00	1175/1496	4.00	4.11	4.37	4.36	4.00
4. Did the lectures contribute to what you learned	0	0	0	0	1	0	2	4.33	922/1494	4.33	4.18	4.37	4.41	4.33
5. Did audiovisual techniques enhance your understanding	0	1	0	0	1	0	1	4.00	823/1352	4.00	3.98	4.12	4.14	4.00
Discussion														
1. Did class discussions contribute to what you learned	1	0	0	0	0	1	1	4.50	470/1248	4.50	4.25	4.23	4.25	4.50
2. Were all students actively encouraged to participate	1	0	0	0	0	0	2	5.00	1/1250	5.00	4.26	4.39	4.40	5.00
3. Did the instructor encourage fair and open discussion	1	0	0	0	0	0	2	5.00	1/1239	5.00	4.45	4.45	4.45	5.00
Laboratory														
1. Did the lab increase understanding of the material	0	0	0	0	0	0	3	5.00	1/206	5.00	3.92	4.25	4.58	5.00

Student Course Evaluation Questionnaires

Course-Section: PHYS 225 01

Title: Introduction to MRI

Instructor: Kochunov, Peter

Term - Spring 2013

Enrollment: 4

Questionnaires: 3

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
2. Were you provided with adequate background information	0	0	0	0	0	0	3	5.00	1/214	5.00	3.93	4.31	4.60	5.00
3. Were necessary materials available for lab activities	0	0	0	0	0	0	3	5.00	1/204	5.00	4.38	4.52	4.64	5.00
4. Did the lab instructor provide assistance	0	0	0	0	0	0	3	5.00	1/207	5.00	4.27	4.44	4.67	5.00
5. Were requirements for lab reports clearly specified	0	0	0	0	0	0	3	5.00	1/199	5.00	4.02	4.27	4.51	5.00

Credits E	arned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	3	Required for Majors	0	Graduate	0	Major	0
28-55	0	1.00-1.99	0	В	0						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	3	Non-major	3
84-150	2	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	2	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	1				
				?	0						

Course-Section: PHYS 321 01

Title: Intermediate Mechanics

Instructor: McCann, Kevin J

Term - Spring 2013

Enrollment: 34

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	1	0	0	0	2	7	18	4.59	554/1560	4.59	4.37	4.35	4.42	4.59
2. Did the instructor make clear the expected goals	1	0	0	1	6	10	10	4.07	1108/1559	4.07	4.15	4.31	4.35	4.07
3. Did the exam questions reflect the expected goals	1	0	0	1	5	9	12	4.19	952/1371	4.19	4.34	4.38	4.41	4.19
4. Did other evaluations reflect the expected goals	0	14	0	0	0	7	7	4.50	549/1519	4.50	4.27	4.27	4.33	4.50
5. Did assigned readings contribute to what you learned	1	8	0	0	5	4	10	4.26	693/1452	4.26	4.06	4.18	4.21	4.26
6. Did written assignments contribute to what you learned	0	11	0	0	0	5	12	4.71	228/1430	4.71	4.25	4.16	4.20	4.71
7. Was the grading system clearly explained	1	0	1	4	4	5	13	3.93	1160/1539	3.93	4.29	4.23	4.27	3.93
8. How many times was class cancelled	0	0	0	0	0	8	20	4.71	840/1560	4.71	4.69	4.64	4.66	4.71
9. How would you grade the overall teaching effectiveness	3	0	0	0	5	9	11	4.24	744/1545	4.24	3.93	4.14	4.19	4.24
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	1	2	7	18	4.50	871/1496	4.50	4.35	4.49	4.54	4.50
2. Did the instructor seem interested in the subject	0	0	0	0	2	6	20	4.64	1105/1498	4.64	4.75	4.75	4.79	4.64
3. Was lecture material presented and explained clearly	0	0	0	1	7	11	9	4.00	1175/1496	4.00	4.11	4.37	4.43	4.00
4. Did the lectures contribute to what you learned	0	0	0	1	3	6	18	4.46	775/1494	4.46	4.18	4.37	4.43	4.46
5. Did audiovisual techniques enhance your understanding	1	0	0	0	1	4	22	4.78	134/1352	4.78	3.98	4.12	4.23	4.78
Discussion										_				
1. Did class discussions contribute to what you learned	27	0	0	0	0	0	1	5.00	****/1248	****	4.25	4.23	4.33	****
2. Were all students actively encouraged to participate	27	0	0	0	0	0	1	5.00	****/1250	****	4.26	4.39	4.47	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 321 01

Title: Intermediate Mechanics

Instructor: McCann, Kevin J

Term - Spring 2013

Enrollment: 34

Questionnaires: 28

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
3. Did the instructor encourage fair and open discussion	27	0	0	0	0	0	1	5.00	****/1239	****	4.45	4.45	4.53	****

Credits E	arned	Cum. GP.	A	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	1	Α	5	Required for Majors	26	Graduate	0	Major	24
28-55	0	1.00-1.99	0	В	10						
56-83	2	2.00-2.99	1	С	8	General	0	Under-grad	28	Non-major	4
84-150	14	3.00-3.49	7	D	1						
Grad.	0	3.50-4.00	12	F	1	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				1	0	Other	0				
				?	1						

Course-Section: PHYS 324 01

Title: Modern Physics

Instructor: Kestner, Jason P

Term - Spring 2013

Enrollment: 33

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	1	0	0	3	21	4.72	376/1560	4.72	4.37	4.35	4.42	4.72
2. Did the instructor make clear the expected goals	0	0	0	0	0	4	21	4.84	189/1559	4.84	4.15	4.31	4.35	4.84
3. Did the exam questions reflect the expected goals	1	0	0	0	0	4	20	4.83	233/1371	4.83	4.34	4.38	4.41	4.83
4. Did other evaluations reflect the expected goals	0	10	0	0	2	1	12	4.67	356/1519	4.67	4.27	4.27	4.33	4.67
5. Did assigned readings contribute to what you learned	0	12	0	1	2	5	5	4.08	892/1452	4.08	4.06	4.18	4.21	4.08
6. Did written assignments contribute to what you learned	1	7	0	0	0	4	13	4.76	177/1430	4.76	4.25	4.16	4.20	4.76
7. Was the grading system clearly explained	0	0	0	0	0	12	13	4.52	519/1539	4.52	4.29	4.23	4.27	4.52
8. How many times was class cancelled	0	0	0	0	0	1	24	4.96	182/1560	4.96	4.69	4.64	4.66	4.96
9. How would you grade the overall teaching effectiveness	6	0	0	1	0	4	14	4.63	284/1545	4.63	3.93	4.14	4.19	4.63
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	25	5.00	1/1496	5.00	4.35	4.49	4.54	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	25	5.00	1/1498	5.00	4.75	4.75	4.79	5.00
3. Was lecture material presented and explained clearly	1	0	0	0	0	6	18	4.75	371/1496	4.75	4.11	4.37	4.43	4.75
4. Did the lectures contribute to what you learned	0	0	0	0	0	3	22	4.88	219/1494	4.88	4.18	4.37	4.43	4.88
5. Did audiovisual techniques enhance your understanding	0	18	0	1	0	3	3	4.14	735/1352	4.14	3.98	4.12	4.23	4.14
Discussion														
1. Did class discussions contribute to what you learned	24	0	0	0	0	0	1	5.00	****/1248	****	4.25	4.23	4.33	****
2. Were all students actively encouraged to participate	24	0	0	0	0	0	1	5.00	****/1250	****	4.26	4.39	4.47	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 324 01

Title: Modern Physics

Instructor: Kestner, Jason P

Term - Spring 2013

Enrollment: 33

Questionnaires: 25

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
3. Did the instructor encourage fair and open discussion	24	0	0	0	0	0	1	5.00	****/1239	****	4.45	4.45	4.53	****

Credits Ea	arned	Cum. GP	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	6	Required for Majors	23	Graduate	0	Major	19
28-55	0	1.00-1.99	0	В	15						
56-83	5	2.00-2.99	2	С	2	General	0	Under-grad	25	Non-major	6
84-150	9	3.00-3.49	6	D	0						
Grad.	0	3.50-4.00	9	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				1	0	Other	0				
				?	1						

Course-Section: PHYS 335 01

Title: Phys/Chem Atmosphere

Instructor: Remer, Lorraine

Term - Spring 2013

Enrollment: 18

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	1	0	0	0	1	3	8	4.58	566/1560	4.58	4.37	4.35	4.42	4.58
2. Did the instructor make clear the expected goals	2	0	0	0	2	6	3	4.09	1094/1559	4.09	4.15	4.31	4.35	4.09
3. Did the exam questions reflect the expected goals	1	0	0	0	0	7	5	4.42	735/1371	4.42	4.34	4.38	4.41	4.42
4. Did other evaluations reflect the expected goals	1	3	0	0	0	3	6	4.67	356/1519	4.67	4.27	4.27	4.33	4.67
5. Did assigned readings contribute to what you learned	1	2	0	3	3	3	1	3.20	1375/1452	3.20	4.06	4.18	4.21	3.20
6. Did written assignments contribute to what you learned	1	4	0	0	2	3	3	4.13	811/1430	4.13	4.25	4.16	4.20	4.13
7. Was the grading system clearly explained	1	0	0	0	0	3	9	4.75	243/1539	4.75	4.29	4.23	4.27	4.75
8. How many times was class cancelled	1	0	0	0	0	1	11	4.92	408/1560	4.92	4.69	4.64	4.66	4.92
9. How would you grade the overall teaching effectiveness	2	0	0	0	3	6	2	3.91	1099/1545	3.91	3.93	4.14	4.19	3.91
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	1	3	6	2	3.75	1388/1496	3.75	4.35	4.49	4.54	3.75
2. Did the instructor seem interested in the subject	1	0	0	0	0	2	10	4.83	763/1498	4.83	4.75	4.75	4.79	4.83
3. Was lecture material presented and explained clearly	1	0	0	1	5	4	2	3.58	1360/1496	3.58	4.11	4.37	4.43	3.58
4. Did the lectures contribute to what you learned	1	0	0	0	1	2	9	4.67	532/1494	4.67	4.18	4.37	4.43	4.67
5. Did audiovisual techniques enhance your understanding	1	0	0	0	0	3	9	4.75	148/1352	4.75	3.98	4.12	4.23	4.75
Discussion														
1. Did class discussions contribute to what you learned	12	0	0	0	0	0	1	5.00	****/1248	****	4.25	4.23	4.33	****
2. Were all students actively encouraged to participate	12	0	0	0	0	0	1	5.00	****/1250	****	4.26	4.39	4.47	****
3. Did the instructor encourage fair and open discussion	12	0	0	0	0	0	1	5.00	****/1239	****	4.45	4.45	4.53	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 335 01

Title: Phys/Chem Atmosphere

Instructor: Remer,Lorraine

Term - Spring 2013

Enrollment: 18

Questionnaires: 13

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
4. Were special techniques successful	12	0	0	0	1	0	0	3.00	****/906	****	3.81	4.13	4.14	****

Credits E	arned	Cum. GPA	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	7	Required for Majors	3	Graduate	0	Major	9
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	4
84-150	4	3.00-3.49	4	D	0						
Grad.	0	3.50-4.00	4	F	0	Electives	9	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	2						

Course-Section: PHYS 416 01

Title: Extragalactic-Cosmology

Instructor: George, Ian M

Term - Spring 2013

Enrollment: 2

Questionnaires: 2

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	0	2	5.00	1/1560	5.00	4.37	4.35	4.45	5.00
2. Did the instructor make clear the expected goals	0	0	0	0	0	0	2	5.00	1/1559	5.00	4.15	4.31	4.34	5.00
4. Did other evaluations reflect the expected goals	0	1	0	0	0	0	1	5.00	1/1519	5.00	4.27	4.27	4.33	5.00
6. Did written assignments contribute to what you learned	0	0	0	0	0	0	2	5.00	1/1430	5.00	4.25	4.16	4.25	5.00
7. Was the grading system clearly explained	0	0	0	0	0	0	2	5.00	1/1539	5.00	4.29	4.23	4.21	5.00
8. How many times was class cancelled	0	0	0	0	2	0	0	3.00	1558/1560	3.00	4.69	4.64	4.68	3.00
9. How would you grade the overall teaching effectiveness	0	0	0	0	0	1	1	4.50	406/1545	4.50	3.93	4.14	4.21	4.50
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	1	1	4.50	871/1496	4.50	4.35	4.49	4.50	4.50
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	2	5.00	1/1498	5.00	4.75	4.75	4.77	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	1	1	4.50	700/1496	4.50	4.11	4.37	4.40	4.50
4. Did the lectures contribute to what you learned	0	0	0	0	0	0	2	5.00	1/1494	5.00	4.18	4.37	4.41	5.00

Student Course Evaluation Questionnaires

Course-Section: PHYS 416 01

Title: Extragalactic-Cosmology

Instructor: George,Ian M

Term - Spring 2013

Enrollment: 2

Questionnaires: 2

					Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	N	R	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Lecture															
5. Did audiovisual techniques enhance your understanding	0		0	0	0	0	0	2	5.00	1/1352	5.00	3.98	4.12	4.16	5.00

Credits E	arned	Cum. GP	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	2	Required for Majors	0	Graduate	0	Major	2
28-55	0	1.00-1.99	0	В	0						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	2	Non-major	0
84-150	1	3.00-3.49	1	D	0						
Grad.	0	3.50-4.00	0	F	0	Electives	2	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	0						

Course-Section: PHYS 424 01

Title: Intro Quantum Mechanics

Instructor: Pittman, Todd B.

Term - Spring 2013

Enrollment: 17

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	2	12	4.86	218/1560	4.86	4.37	4.35	4.45	4.86
2. Did the instructor make clear the expected goals	1	0	0	0	0	0	13	5.00	1/1559	5.00	4.15	4.31	4.34	5.00
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	13	4.93	136/1371	4.93	4.34	4.38	4.46	4.93
4. Did other evaluations reflect the expected goals	0	3	0	0	0	1	10	4.91	116/1519	4.91	4.27	4.27	4.33	4.91
5. Did assigned readings contribute to what you learned	1	2	0	0	0	1	10	4.91	98/1452	4.91	4.06	4.18	4.25	4.91
6. Did written assignments contribute to what you learned	1	4	0	0	0	0	9	5.00	1/1430	5.00	4.25	4.16	4.25	5.00
7. Was the grading system clearly explained	1	0	0	0	0	1	12	4.92	91/1539	4.92	4.29	4.23	4.21	4.92
8. How many times was class cancelled	1	0	0	0	0	7	6	4.46	1098/1560	4.46	4.69	4.64	4.68	4.46
9. How would you grade the overall teaching effectiveness	3	0	0	0	0	0	11	5.00	1/1545	5.00	3.93	4.14	4.21	5.00
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	0	0	13	5.00	1/1496	5.00	4.35	4.49	4.50	5.00
2. Did the instructor seem interested in the subject	1	0	0	0	0	0	13	5.00	1/1498	5.00	4.75	4.75	4.77	5.00
3. Was lecture material presented and explained clearly	1	0	0	0	0	0	13	5.00	1/1496	5.00	4.11	4.37	4.40	5.00
4. Did the lectures contribute to what you learned	1	0	0	0	0	2	11	4.85	275/1494	4.85	4.18	4.37	4.41	4.85
5. Did audiovisual techniques enhance your understanding	1	1	0	0	0	0	12	5.00	1/1352	5.00	3.98	4.12	4.16	5.00
Discussion														
1. Did class discussions contribute to what you learned	13	0	0	0	0	0	1	5.00	****/1248	****	4.25	4.23	4.39	****
2. Were all students actively encouraged to participate	13	0	0	0	0	0	1	5.00	****/1250	****	4.26	4.39	4.55	****
3. Did the instructor encourage fair and open discussion	13	0	0	0	0	0	1	5.00	****/1239	****	4.45	4.45	4.61	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 424 01

Title: Intro Quantum Mechanics

Term - Spring 2013

Enrollment: 17

Questionnaires: 14

Instructor: Pittman,Todd B.

				Frequencies				Instructor		Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
4. Were special techniques successful	13	0	0	0	0	0	1	5.00	****/906	****	3.81	4.13	4.28	****

Credits Earned		Cum. GPA		Expected Grades		Reasons		Туре		Majors		
00-27	0	0.00-0.99	0	Α	5	Required for Majors	6	Graduate	0	Major	11	
28-55	0	1.00-1.99	0	В	4							
56-83	0	2.00-2.99	0	С	1	General	0	Under-grad	14	Non-major	3	
84-150	5	3.00-3.49	1	D	0							
Grad.	0	3.50-4.00	5	F	0	Electives	1	**** - Means the	re are not e	nough responses		
				Р	0			to be significant				
				I	0	Other	2					
				?	4							

Course-Section: PHYS 431L 01

Title: Modern Physics Lab

Instructor: Gougousi, Theodo

Term - Spring 2013

Enrollment: 9

		Frequencies				Instructor		Course	Org	UMBC	Level	Sect		
Questions		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	2	5	4.50	664/1560	4.50	4.37	4.35	4.45	4.50
2. Did the instructor make clear the expected goals	1	0	0	0	3	2	3	4.00	1158/1559	4.00	4.15	4.31	4.34	4.00
3. Did the exam questions reflect the expected goals	1	6	0	0	0	0	2	5.00	****/1371	****	4.34	4.38	4.46	****
4. Did other evaluations reflect the expected goals	1	0	0	2	1	1	4	3.88	1202/1519	3.88	4.27	4.27	4.33	3.88
5. Did assigned readings contribute to what you learned	1	4	0	1	0	0	3	4.25	704/1452	4.25	4.06	4.18	4.25	4.25
6. Did written assignments contribute to what you learned	1	1	0	0	1	2	4	4.43	532/1430	4.43	4.25	4.16	4.25	4.43
7. Was the grading system clearly explained	1	0	1	0	0	2	5	4.25	855/1539	4.25	4.29	4.23	4.21	4.25
8. How many times was class cancelled	1	0	0	0	0	0	8	5.00	1/1560	5.00	4.69	4.64	4.68	5.00
9. How would you grade the overall teaching effectiveness		0	0	0	1	3	3	4.29	700/1545	4.29	3.93	4.14	4.21	4.29
Lecture														
1. Were the instructor's lectures well prepared	3	0	0	0	0	2	4	4.67	643/1496	4.67	4.35	4.49	4.50	4.67
2. Did the instructor seem interested in the subject	3	0	0	0	0	1	5	4.83	763/1498	4.83	4.75	4.75	4.77	4.83
3. Was lecture material presented and explained clearly	3	0	0	0	1	2	3	4.33	911/1496	4.33	4.11	4.37	4.40	4.33
4. Did the lectures contribute to what you learned	3	0	0	0	1	3	2	4.17	1062/1494	4.17	4.18	4.37	4.41	4.17
5. Did audiovisual techniques enhance your understanding	3	5	0	0	0	0	1	5.00	****/1352	****	3.98	4.12	4.16	****
Laboratory														
1. Did the lab increase understanding of the material	4	0	0	0	1	1	3	4.40	74/206	4.40	3.92	4.25	4.48	4.40
2. Were you provided with adequate background information	4	0	0	1	0	1	3	4.20	142/214	4.20	3.93	4.31	4.37	4.20
3. Were necessary materials available for lab activities	4	0	0	0	1	0	4	4.60	98/204	4.60	4.38	4.52	4.39	4.60
4. Did the lab instructor provide assistance	4	0	0	0	0	2	3	4.60	92/207	4.60	4.27	4.44	4.49	4.60

Student Course Evaluation Questionnaires

Course-Section: PHYS 431L 01

Title: Modern Physics Lab

Instructor: Gougousi, Theodo

Term - Spring 2013

Enrollment: 9

Questionnaires: 9

				Fre	quen	cies		Ins	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Laboratory														
5. Were requirements for lab reports clearly specified	4	0	0	1	1	1	2	3.80	163/199	3.80	4.02	4.27	4.42	3.80

Credits E	arned	Cum. GPA	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	4	Required for Majors	7	Graduate	0	Major	8
28-55	0	1.00-1.99	0	В	3						
56-83	0	2.00-2.99	0	С	1	General	0	Under-grad	9	Non-major	1
84-150	4	3.00-3.49	2	D	0						
Grad.	0	3.50-4.00	6	F	0	Electives	0	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	1						

Course-Section: PHYS 607 01

Title: Electromag Waves/Radiatn

Instructor: Kramer, Ivan

Term - Spring 2013

Enrollment: 8

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	1	0	0	0	1	3	3	4.29	945/1560	4.29	4.37	4.35	4.37	4.29
2. Did the instructor make clear the expected goals	1	0	0	0	1	2	4	4.43	745/1559	4.43	4.15	4.31	4.29	4.43
3. Did the exam questions reflect the expected goals	1	0	0	0	1	4	2	4.14	983/1371	4.14	4.34	4.38	4.37	4.14
4. Did other evaluations reflect the expected goals	1	4	0	0	0	3	0	4.00	1060/1519	4.00	4.27	4.27	4.29	4.00
5. Did assigned readings contribute to what you learned	1	1	0	2	1	3	0	3.17	1383/1452	3.17	4.06	4.18	4.23	3.17
6. Did written assignments contribute to what you learned	1	3	0	0	2	1	1	3.75	1096/1430	3.75	4.25	4.16	4.28	3.75
7. Was the grading system clearly explained	1	0	1	1	2	1	2	3.29	1428/1539	3.29	4.29	4.23	4.26	3.29
8. How many times was class cancelled	1	0	0	0	0	0	7	5.00	1/1560	5.00	4.69	4.64	4.72	5.00
9. How would you grade the overall teaching effectiveness	1	0	0	0	1	5	1	4.00	952/1545	4.00	3.93	4.14	4.11	4.00
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	1	1	5	4.57	782/1496	4.57	4.35	4.49	4.47	4.57
2. Did the instructor seem interested in the subject	1	0	0	0	0	1	6	4.86	704/1498	4.86	4.75	4.75	4.76	4.86
3. Was lecture material presented and explained clearly	1	0	0	0	1	4	2	4.14	1087/1496	4.14	4.11	4.37	4.29	4.14
4. Did the lectures contribute to what you learned	1	0	0	0	1	3	3	4.29	969/1494	4.29	4.18	4.37	4.31	4.29
Discussion										_				
1. Did class discussions contribute to what you learned	7	0	0	0	1	0	0	3.00	****/1248	****	4.25	4.23	4.28	****
2. Were all students actively encouraged to participate	7	0	0	0	0	1	0	4.00	****/1250	****	4.26	4.39	4.49	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 607 01

Title: Electromag Waves/Radiatn

Instructor: Kramer,Ivan

Term - Spring 2013

Enrollment: 8

Questionnaires: 8

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
3. Did the instructor encourage fair and open discussion	7	0	0	0	1	0	0	3.00	****/1239	****	4.45	4.45	4.57	****

Credits Ea	arned	Cum. GPA	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	2	Required for Majors	6	Graduate	5	Major	7
28-55	0	1.00-1.99	0	В	4						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	3	Non-major	1
84-150	0	3.00-3.49	2	D	0						
Grad.	5	3.50-4.00	0	F	0	Electives	1	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	1						

Course-Section: PHYS 621 01

Title: Atmos Physics I

Instructor: Zhang,Zhibo

Term - Spring 2013

Enrollment: 4

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	2	2	4.50	664/1560	4.50	4.37	4.35	4.37	4.50
2. Did the instructor make clear the expected goals	0	0	0	0	0	2	2	4.50	627/1559	4.50	4.15	4.31	4.29	4.50
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	3	4.75	328/1371	4.75	4.34	4.38	4.37	4.75
4. Did other evaluations reflect the expected goals	0	0	0	0	0	2	2	4.50	549/1519	4.50	4.27	4.27	4.29	4.50
5. Did assigned readings contribute to what you learned	1	0	0	0	2	0	1	3.67	1214/1452	3.67	4.06	4.18	4.23	3.67
6. Did written assignments contribute to what you learned	1	0	0	0	0	0	3	5.00	1/1430	5.00	4.25	4.16	4.28	5.00
7. Was the grading system clearly explained	1	0	0	0	0	1	2	4.67	349/1539	4.67	4.29	4.23	4.26	4.67
8. How many times was class cancelled	1	0	0	0	0	2	1	4.33	1228/1560	4.33	4.69	4.64	4.72	4.33
9. How would you grade the overall teaching effectiveness	1	0	0	0	0	3	0	4.00	952/1545	4.00	3.93	4.14	4.11	4.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	3	1	4.25	1144/1496	4.25	4.35	4.49	4.47	4.25
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	4	5.00	1/1498	5.00	4.75	4.75	4.76	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	2	2	4.50	700/1496	4.50	4.11	4.37	4.29	4.50
4. Did the lectures contribute to what you learned	0	0	0	0	0	2	2	4.50	726/1494	4.50	4.18	4.37	4.31	4.50
5. Did audiovisual techniques enhance your understanding	0	0	0	0	2	1	1	3.75	1051/1352	3.75	3.98	4.12	3.99	3.75
Discussion														
1. Did class discussions contribute to what you learned	3	0	0	0	0	0	1	5.00	1/1248	5.00	4.25	4.23	4.28	5.00
2. Were all students actively encouraged to participate	3	0	0	0	0	0	1	5.00	1/1250	5.00	4.26	4.39	4.49	5.00

Student Course Evaluation Questionnaires

Course-Section: PHYS 621 01

Title: Atmos Physics I

Instructor: Zhang,Zhibo

Term - Spring 2013

Enrollment: 4

Questionnaires: 4

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
3. Did the instructor encourage fair and open discussion	3	0	0	0	0	0	1	5.00	1/1239	5.00	4.45	4.45	4.57	5.00

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Credits E	arneu	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	0	Required for Majors	1	Graduate	3	Major	0
28-55	0	1.00-1.99	0	В	3						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	1	Non-major	4
84-150	0	3.00-3.49	1	D	0						
Grad.	3	3.50-4.00	0	F	0	Electives	0	**** - Means the	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	2				
				?	0						

Course-Section: PHYS 640 01

Title: Computational Physics

Instructor: Sparling, Lynn C

Term - Spring 2013

Enrollment: 7

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	1	0	3	3	4.14	1100/1560	4.14	4.37	4.35	4.37	4.14
2. Did the instructor make clear the expected goals	0	0	0	1	1	5	0	3.57	1430/1559	3.57	4.15	4.31	4.29	3.57
4. Did other evaluations reflect the expected goals	1	0	0	0	2	2	2	4.00	1060/1519	4.00	4.27	4.27	4.29	4.00
5. Did assigned readings contribute to what you learned	1	5	0	0	0	1	0	4.00	****/1452	****	4.06	4.18	4.23	****
6. Did written assignments contribute to what you learned	1	0	0	0	0	3	3	4.50	427/1430	4.50	4.25	4.16	4.28	4.50
7. Was the grading system clearly explained	0	0	0	2	2	3	0	3.14	1455/1539	3.14	4.29	4.23	4.26	3.14
8. How many times was class cancelled	0	0	0	0	0	0	7	5.00	1/1560	5.00	4.69	4.64	4.72	5.00
9. How would you grade the overall teaching effectiveness	1	0	0	0	3	3	0	3.50	1342/1545	3.50	3.93	4.14	4.11	3.50
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	2	0	4	0	3.33	1455/1496	3.33	4.35	4.49	4.47	3.33
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	7	5.00	1/1498	5.00	4.75	4.75	4.76	5.00
3. Was lecture material presented and explained clearly	0	0	1	0	1	5	0	3.43	1404/1496	3.43	4.11	4.37	4.29	3.43
4. Did the lectures contribute to what you learned	0	0	1	0	2	3	1	3.43	1402/1494	3.43	4.18	4.37	4.31	3.43
5. Did audiovisual techniques enhance your understanding	0	2	0	1	1	2	1	3.60	1121/1352	3.60	3.98	4.12	3.99	3.60
Discussion														
1. Did class discussions contribute to what you learned	6	0	1	0	0	0	0	1.00	****/1248	****	4.25	4.23	4.28	****
2. Were all students actively encouraged to participate	6	0	0	0	0	1	0	4.00	****/1250	****	4.26	4.39	4.49	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 640 01

Title: Computational Physics

Instructor: Sparling,Lynn C

Term - Spring 2013

Enrollment: 7

Questionnaires: 7

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
3. Did the instructor encourage fair and open discussion	6	0	0	0	0	1	0	4.00	****/1239	****	4.45	4.45	4.57	****

Credits E	arned	Cum. GP	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	4	Required for Majors	5	Graduate	5	Major	6
28-55	0	1.00-1.99	0	В	2						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	2	Non-major	1
84-150	0	3.00-3.49	2	D	0						
Grad.	5	3.50-4.00	1	F	0	Electives	2	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	1						

Course-Section: PHYS 698 01

Title: Physics Seminar

Instructor: Franson, James D

Term - Spring 2013

Enrollment: 12

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	2	1	5	3	3.82	1341/1560	3.82	4.37	4.35	4.37	3.82
2. Did the instructor make clear the expected goals	0	0	2	1	3	2	3	3.27	1495/1559	3.27	4.15	4.31	4.29	3.27
3. Did the exam questions reflect the expected goals	0	10	0	0	0	0	1	5.00	****/1371	****	4.34	4.38	4.37	****
4. Did other evaluations reflect the expected goals	0	6	0	0	2	1	2	4.00	1060/1519	4.00	4.27	4.27	4.29	4.00
5. Did assigned readings contribute to what you learned	0	9	0	0	0	1	1	4.50	****/1452	****	4.06	4.18	4.23	****
6. Did written assignments contribute to what you learned	0	0	2	1	0	4	4	3.64	1172/1430	3.64	4.25	4.16	4.28	3.64
7. Was the grading system clearly explained	0	3	0	1	0	1	6	4.50	540/1539	4.50	4.29	4.23	4.26	4.50
8. How many times was class cancelled	0	0	0	0	0	0	11	5.00	1/1560	5.00	4.69	4.64	4.72	5.00
9. How would you grade the overall teaching effectiveness	2	5	1	0	1	0	2	3.50	1342/1545	3.50	3.93	4.14	4.11	3.50
Seminar														
1. Were assigned topics relevant to the announced theme	8	0	0	0	0	0	3	5.00	1/64	5.00	5.00	4.44	4.23	5.00
4. Did presentations contribute to what you learned	8	0	0	0	1	1	1	4.00	47/66	4.00	4.00	4.41	4.28	4.00

Student Course Evaluation Questionnaires

Course-Section: PHYS 698 01

Title: Physics Seminar

Instructor: Franson, James D

Term - Spring 2013

Enrollment: 12

Questionnaires: 11

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Seminar														
5. Were criteria for grading made clear	8	1	0	0	0	0	2	5.00	****/63	****	****	4.09	4.07	****

Credits E	arned	Cum. GPA	4	Expected	Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	Α	1	Required for Majors	10	Graduate	10	Major	7
28-55	0	1.00-1.99	0	В	0						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	1	Non-major	4
84-150	0	3.00-3.49	2	D	0						
Grad.	10	3.50-4.00	0	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	9			to be significant			
				I	0	Other	0				
				?	1						

Course-Section: PHYS 701 01

Title: Quantum Mechanics II

Instructor: Franson, James D

Term - Spring 2013

Enrollment: 7

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	2	5	4.71	389/1560	4.71	4.37	4.35	4.37	4.71
2. Did the instructor make clear the expected goals	0	0	0	1	0	1	5	4.43	745/1559	4.43	4.15	4.31	4.29	4.43
3. Did the exam questions reflect the expected goals	0	0	0	0	1	1	5	4.57	549/1371	4.57	4.34	4.38	4.37	4.57
4. Did other evaluations reflect the expected goals	0	3	0	1	0	1	2	4.00	1060/1519	4.00	4.27	4.27	4.29	4.00
5. Did assigned readings contribute to what you learned	1	1	0	0	1	0	4	4.60	330/1452	4.60	4.06	4.18	4.23	4.60
6. Did written assignments contribute to what you learned	1	3	0	0	0	2	1	4.33	626/1430	4.33	4.25	4.16	4.28	4.33
7. Was the grading system clearly explained	1	0	1	0	0	1	4	4.17	955/1539	4.17	4.29	4.23	4.26	4.17
8. How many times was class cancelled	1	0	0	0	0	0	6	5.00	1/1560	5.00	4.69	4.64	4.72	5.00
9. How would you grade the overall teaching effectiveness	1	0	0	0	0	3	3	4.50	406/1545	4.50	3.93	4.14	4.11	4.50
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	1	6	4.86	315/1496	4.86	4.35	4.49	4.47	4.86
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	7	5.00	1/1498	5.00	4.75	4.75	4.76	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	2	5	4.71	432/1496	4.71	4.11	4.37	4.29	4.71
4. Did the lectures contribute to what you learned	0	0	0	0	0	1	6	4.86	261/1494	4.86	4.18	4.37	4.31	4.86
Discussion										_				
1. Did class discussions contribute to what you learned	6	0	0	0	0	0	1	5.00	****/1248	****	4.25	4.23	4.28	****
2. Were all students actively encouraged to participate	6	0	0	0	0	0	1	5.00	****/1250	****	4.26	4.39	4.49	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 701 01

Title: Quantum Mechanics II

Instructor: Franson,James D

Term - Spring 2013

Enrollment: 7

Questionnaires: 7

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
3. Did the instructor encourage fair and open discussion	6	0	0	0	0	0	1	5.00	****/1239	****	4.45	4.45	4.57	****

Credits Ea	arned	Cum. GPA	4	Expected	Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	Α	4	Required for Majors	4	Graduate	3	Major	6
28-55	0	1.00-1.99	0	В	3						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	4	Non-major	1
84-150	1	3.00-3.49	1	D	0						
Grad.	3	3.50-4.00	1	F	0	Electives	3	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	0						

Course-Section: PHYS 705 01

Title: Mathematical Phys II

Instructor: Henriksen, Mark

Term - Spring 2013

Enrollment: 7

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	1	0	1	2	3	3.86	1313/1560	3.86	4.37	4.35	4.37	3.86
2. Did the instructor make clear the expected goals	0	0	0	0	3	2	2	3.86	1302/1559	3.86	4.15	4.31	4.29	3.86
3. Did the exam questions reflect the expected goals	0	0	0	0	2	3	2	4.00	1066/1371	4.00	4.34	4.38	4.37	4.00
4. Did other evaluations reflect the expected goals	0	4	0	0	1	0	2	4.33	779/1519	4.33	4.27	4.27	4.29	4.33
5. Did assigned readings contribute to what you learned	0	3	0	0	1	0	3	4.50	433/1452	4.50	4.06	4.18	4.23	4.50
6. Did written assignments contribute to what you learned	0	2	1	0	1	2	1	3.40	1293/1430	3.40	4.25	4.16	4.28	3.40
7. Was the grading system clearly explained	0	0	0	1	0	2	4	4.29	821/1539	4.29	4.29	4.23	4.26	4.29
8. How many times was class cancelled	0	0	0	0	0	3	4	4.57	988/1560	4.57	4.69	4.64	4.72	4.57
9. How would you grade the overall teaching effectiveness	1	0	2	2	1	1	0	2.17	1535/1545	2.17	3.93	4.14	4.11	2.17
Lecture														
1. Were the instructor's lectures well prepared	0	0	1	0	3	1	2	3.43	1445/1496	3.43	4.35	4.49	4.47	3.43
2. Did the instructor seem interested in the subject	0	0	0	2	2	1	2	3.43	1489/1498	3.43	4.75	4.75	4.76	3.43
3. Was lecture material presented and explained clearly	0	0	3	2	0	1	1	2.29	1489/1496	2.29	4.11	4.37	4.29	2.29
4. Did the lectures contribute to what you learned	0	0	1	3	2	0	1	2.57	1479/1494	2.57	4.18	4.37	4.31	2.57
5. Did audiovisual techniques enhance your understanding	1	5	0	0	0	0	1	5.00	****/1352	****	3.98	4.12	3.99	****
Discussion										-				
1. Did class discussions contribute to what you learned	6	0	0	0	0	1	0	4.00	****/1248	****	4.25	4.23	4.28	****
2. Were all students actively encouraged to participate	6	0	1	0	0	0	0	1.00	****/1250	****	4.26	4.39	4.49	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 705 01

Title: Mathematical Phys II

Instructor: Henriksen, Mark

Term - Spring 2013

Enrollment: 7

Questionnaires: 7

				Fre	quend	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
3. Did the instructor encourage fair and open discussion	6	0	1	0	0	0	0	1.00	****/1239	****	4.45	4.45	4.57	****

Credits E	arned	Cum. GPA	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	1	Α	5	Required for Majors	6	Graduate	7	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	0	Non-major	1
84-150	0	3.00-3.49	0	D	0						
Grad.	7	3.50-4.00	0	F	0	Electives	1	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	0						

Course-Section: PHYS 710 01

Title: Quantum Optics

Instructor: Shih, Yan-hua

Term - Spring 2013

Enrollment: 5

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	2	0	3	4.20	1047/1560	4.20	4.37	4.35	4.37	4.20
2. Did the instructor make clear the expected goals	0	0	0	0	1	1	3	4.40	775/1559	4.40	4.15	4.31	4.29	4.40
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	4	4.80	261/1371	4.80	4.34	4.38	4.37	4.80
4. Did other evaluations reflect the expected goals	0	1	0	0	0	1	3	4.75	255/1519	4.75	4.27	4.27	4.29	4.75
5. Did assigned readings contribute to what you learned	0	0	0	0	0	1	4	4.80	171/1452	4.80	4.06	4.18	4.23	4.80
6. Did written assignments contribute to what you learned	0	2	0	0	0	1	2	4.67	266/1430	4.67	4.25	4.16	4.28	4.67
7. Was the grading system clearly explained	0	1	0	0	1	1	2	4.25	855/1539	4.25	4.29	4.23	4.26	4.25
8. How many times was class cancelled	0	0	0	0	0	0	5	5.00	1/1560	5.00	4.69	4.64	4.72	5.00
9. How would you grade the overall teaching effectiveness	0	0	0	0	1	1	3	4.40	546/1545	4.40	3.93	4.14	4.11	4.40
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	1	0	4	4.60	744/1496	4.60	4.35	4.49	4.47	4.60
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	5	5.00	1/1498	5.00	4.75	4.75	4.76	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	1	0	4	4.60	588/1496	4.60	4.11	4.37	4.29	4.60
4. Did the lectures contribute to what you learned	0	0	0	1	0	1	3	4.20	1033/1494	4.20	4.18	4.37	4.31	4.20
Discussion														
1. Did class discussions contribute to what you learned	4	0	0	0	0	0	1	5.00	****/1248	****	4.25	4.23	4.28	****
2. Were all students actively encouraged to participate	4	0	0	0	0	0	1	5.00	****/1250	****	4.26	4.39	4.49	****
3. Did the instructor encourage fair and open discussion	4	0	0	0	0	0	1	5.00	****/1239	****	4.45	4.45	4.57	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 710 01

Title: Quantum Optics

Instructor: Shih,Yan-hua

Term - Spring 2013

Enrollment: 5

Questionnaires: 5

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
4. Were special techniques successful	4	0	0	0	0	0	1	5.00	****/906	****	3.81	4.13	4.08	****

Credits E	arned	Cum. GPA	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	3	Required for Majors	1	Graduate	4	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	1	Non-major	0
84-150	0	3.00-3.49	0	D	0						
Grad.	4	3.50-4.00	2	F	0	Electives	4	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	0						

Course-Section: PHYS 722 01

Title: Atmos Remote Sens

Instructor: Martins, Jose V

Term - Spring 2013

Enrollment: 3

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	2	1	4.33	886/1560	4.33	4.37	4.35	4.37	4.33
2. Did the instructor make clear the expected goals	0	0	0	0	0	2	1	4.33	856/1559	4.33	4.15	4.31	4.29	4.33
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	2	4.67	442/1371	4.67	4.34	4.38	4.37	4.67
4. Did other evaluations reflect the expected goals	0	0	0	0	0	3	0	4.00	1060/1519	4.00	4.27	4.27	4.29	4.00
5. Did assigned readings contribute to what you learned	0	1	0	0	0	2	0	4.00	948/1452	4.00	4.06	4.18	4.23	4.00
6. Did written assignments contribute to what you learned	0	0	0	0	0	1	2	4.67	266/1430	4.67	4.25	4.16	4.28	4.67
7. Was the grading system clearly explained	0	0	0	0	2	0	1	3.67	1328/1539	3.67	4.29	4.23	4.26	3.67
8. How many times was class cancelled	0	0	0	0	0	0	3	5.00	1/1560	5.00	4.69	4.64	4.72	5.00
9. How would you grade the overall teaching effectiveness	1	0	0	0	0	2	0	4.00	952/1545	4.00	3.93	4.14	4.11	4.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	2	1	4.33	1075/1496	4.33	4.35	4.49	4.47	4.33
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	3	5.00	1/1498	5.00	4.75	4.75	4.76	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	1	2	4.67	504/1496	4.67	4.11	4.37	4.29	4.67
4. Did the lectures contribute to what you learned	0	0	0	0	0	1	2	4.67	532/1494	4.67	4.18	4.37	4.31	4.67
5. Did audiovisual techniques enhance your understanding	0	0	1	0	0	1	1	3.33	1224/1352	3.33	3.98	4.12	3.99	3.33
Discussion														
1. Did class discussions contribute to what you learned	1	0	0	0	0	0	2	5.00	1/1248	5.00	4.25	4.23	4.28	5.00
2. Were all students actively encouraged to participate	1	0	0	0	0	0	2	5.00	1/1250	5.00	4.26	4.39	4.49	5.00

Student Course Evaluation Questionnaires

Course-Section: PHYS 722 01

Title: Atmos Remote Sens

Instructor: Martins, Jose V

Term - Spring 2013

Enrollment: 3

Questionnaires: 3

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Discussion														
3. Did the instructor encourage fair and open discussion	1	0	0	0	0	0	2	5.00	1/1239	5.00	4.45	4.45	4.57	5.00

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