Course-Section: PHYS 105 01

Title: Ideas In Astronomy

Instructor: George,Ian M

Term - Fall 2013

Enrollment: 64

·				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	35	0	1	0	6	8	14	4.17	1062/1644	4.17	4.35	4.32	4.16	4.17
2. Did the instructor make clear the expected goals	36	0	1	2	7	10	8	3.79	1370/1644	3.79	4.23	4.28	4.23	3.79
3. Did the exam questions reflect the expected goals	35	0	1	3	11	5	9	3.62	1260/1419	3.62	4.34	4.35	4.25	3.62
4. Did other evaluations reflect the expected goals	35	9	0	1	7	6	6	3.85	1242/1596	3.85	4.30	4.24	4.09	3.85
5. Did assigned readings contribute to what you learned	35	2	3	0	2	10	12	4.04	945/1535	4.04	4.01	4.15	4.02	4.04
6. Did written assignments contribute to what you learned	36	16	2	1	2	4	3	3.42	****/1510	****	4.25	4.13	3.91	****
7. Was the grading system clearly explained	36	0	1	0	5	6	16	4.29	849/1620	4.29	4.30	4.20	4.13	4.29
8. How many times was class cancelled	36	0	0	0	3	21	4	4.04	1517/1642	4.04	4.91	4.68	4.68	4.04
9. How would you grade the overall teaching effectiveness	38	2	0	0	7	14	3	3.83	1183/1596	3.83	4.09	4.12	4.07	3.83
Lecture														
1. Were the instructor's lectures well prepared	35	0	0	0	1	15	13	4.41	1016/1534	4.41	4.60	4.48	4.45	4.41
2. Did the instructor seem interested in the subject	35	0	0	0	0	2	27	4.93	426/1539	4.93	4.83	4.76	4.72	4.93
3. Was lecture material presented and explained clearly	35	0	1	1	4	13	10	4.03	1149/1531	4.03	4.32	4.33	4.30	4.03
4. Did the lectures contribute to what you learned	35	1	2	2	3	9	12	3.96	1191/1530	3.96	4.27	4.35	4.30	3.96
5. Did audiovisual techniques enhance your understanding	36	1	2	2	4	3	16	4.07	783/1409	4.07	4.11	4.08	3.97	4.07
Discussion														
1. Did class discussions contribute to what you learned	47	0	2	2	3	6	4	3.47	1160/1366	3.47	3.96	4.18	3.96	3.47
2. Were all students actively encouraged to participate	47	0	2	1	4	3	7	3.71	1162/1364	3.71	4.14	4.33	4.10	3.71
3. Did the instructor encourage fair and open discussion	47	0	0	0	3	3	11	4.47	737/1361	4.47	4.24	4.39	4.17	4.47
4. Were special techniques successful	47	14	0	0	0	2	1	4.33	****/1019	****	4.13	4.09	3.97	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 105 01

Title: Ideas In Astronomy

Instructor: George,Ian M

Term - Fall 2013

Enrollment: 64

Questionnaires: 64

				Fre	quen	cies		Ins	tructor	Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Seminar														
1. Were assigned topics relevant to the announced theme	62	1	0	0	1	0	0	3.00	****/72	****	****	4.53	4.35	****
Field Work														
1. Did field experience contribute to what you learned	63	0	1	0	0	0	0	1.00	****/48	****	****	4.16	3.97	****
2. Did you clearly understand your evaluation criteria	63	0	0	0	1	0	0	3.00	****/45	****	****	4.19	3.97	****
3. Was the instructor available for consultation	62	1	0	0	0	0	1	5.00	****/30	****	****	4.57	4.58	****
4. To what degree could you discuss your evaluations	62	1	1	0	0	0	0	1.00	****/27	****	****	4.25	4.37	****
Self Paced														
1. Did self-paced system contribute to what you learned	63	0	0	0	0	0	1	5.00	****/51	****	****	4.03	4.19	****
2. Did study questions make clear the expected goal	63	0	0	0	0	0	1	5.00	****/31	****	****	4.18	4.46	****
3. Were your contacts with the instructor helpful	63	0	0	0	1	0	0	3.00	****/36	****	****	4.33	4.38	****

Credits E	arned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	4	0.00-0.99	2	Α	5	Required for Majors	0	Graduate	0	Major	0
28-55	3	1.00-1.99	0	В	13						
56-83	2	2.00-2.99	2	С	9	General	19	Under-grad	64	Non-major	64
84-150	4	3.00-3.49	5	D	0						
Grad.	0	3.50-4.00	2	F	0	Electives	5	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				1	0	Other	1				
				?	36						

Course-Section: PHYS 111 01

Title: Basic Physics I

Instructor: Anderson, Eric C

Term - Fall 2013

Enrollment: 261

				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	3	0	2	2	8	20	34	4.24	985/1644	4.24	4.35	4.32	4.16	4.24
2. Did the instructor make clear the expected goals	3	0	1	2	9	19	35	4.29	958/1644	4.29	4.23	4.28	4.23	4.29
3. Did the exam questions reflect the expected goals	4	0	2	3	6	20	34	4.25	951/1419	4.25	4.34	4.35	4.25	4.25
4. Did other evaluations reflect the expected goals	4	20	1	2	7	14	21	4.16	1019/1596	4.16	4.30	4.24	4.09	4.16
5. Did assigned readings contribute to what you learned	3	0	2	3	14	15	32	4.09	896/1535	4.09	4.01	4.15	4.02	4.09
6. Did written assignments contribute to what you learned	4	34	2	4	1	10	14	3.97	965/1510	3.97	4.25	4.13	3.91	3.97
7. Was the grading system clearly explained	3	0	2	3	6	17	38	4.30	820/1620	4.30	4.30	4.20	4.13	4.30
8. How many times was class cancelled	5	0	0	0	0	1	63	4.98	127/1642	4.98	4.91	4.68	4.68	4.98
9. How would you grade the overall teaching effectiveness	11	3	2	2	6	31	14	3.96	1038/1596	3.96	4.09	4.12	4.07	3.96
Lecture														
1. Were the instructor's lectures well prepared	3	0	0	1	7	12	46	4.56	819/1534	4.56	4.60	4.48	4.45	4.56
2. Did the instructor seem interested in the subject	4	0	0	0	2	11	52	4.77	970/1539	4.77	4.83	4.76	4.72	4.77
3. Was lecture material presented and explained clearly	3	0	1	3	9	20	33	4.23	1018/1531	4.23	4.32	4.33	4.30	4.23
4. Did the lectures contribute to what you learned	3	0	4	1	8	17	36	4.21	1036/1530	4.21	4.27	4.35	4.30	4.21
5. Did audiovisual techniques enhance your understanding	8	4	3	2	8	14	30	4.16	720/1409	4.16	4.11	4.08	3.97	4.16
Discussion														
1. Did class discussions contribute to what you learned	49	0	2	0	3	3	12	4.15	795/1366	4.15	3.96	4.18	3.96	4.15
2. Were all students actively encouraged to participate	48	0	2	0	2	5	12	4.19	915/1364	4.19	4.14	4.33	4.10	4.19
3. Did the instructor encourage fair and open discussion	49	0	1	1	0	3	15	4.50	703/1361	4.50	4.24	4.39	4.17	4.50
4. Were special techniques successful	49	3	1	0	2	2	12	4.41	****/1019	****	4.13	4.09	3.97	****

Course-Section: PHYS 111 01

Title: Basic Physics I

Instructor: Anderson, Eric C

Term - Fall 2013

Enrollment: 261

				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	29	0	6	4	11	10	9	3.30	174/185	3.30	4.22	4.23	4.19	3.30
2. Were you provided with adequate background information	29	0	3	1	11	12	13	3.78	165/209	3.78	4.22	4.19	4.18	3.78
3. Were necessary materials available for lab activities	29	1	2	1	2	13	21	4.28	148/181	4.28	4.48	4.53	4.68	4.28
4. Did the lab instructor provide assistance	29	0	5	4	3	6	22	3.90	165/183	3.90	4.48	4.46	4.50	3.90
5. Were requirements for lab reports clearly specified	30	15	2	2	5	3	12	3.88	125/172	3.88	4.08	4.14	4.22	3.88
Seminar														
1. Were assigned topics relevant to the announced theme	65	1	1	0	0	0	2	3.67	****/72	****	****	4.53	4.35	****
2. Was the instructor available for individual attention	65	1	1	0	0	0	2	3.67	****/71	****	****	4.38	4.21	****
3. Did research projects contribute to what you learned	65	2	0	0	1	0	1	4.00	****/68	****	****	4.41	4.22	****
4. Did presentations contribute to what you learned	65	1	0	1	0	0	2	4.00	****/71	****	****	4.40	4.19	****
5. Were criteria for grading made clear	65	1	0	0	1	0	2	4.33	****/73	****	****	4.09	3.85	****
Field Work														
1. Did field experience contribute to what you learned	66	0	1	1	0	0	1	2.67	****/48	****	****	4.16	3.97	****
2. Did you clearly understand your evaluation criteria	66	0	1	1	0	0	1	2.67	****/45	****	****	4.19	3.97	****
3. Was the instructor available for consultation	66	1	1	0	0	0	1	3.00	****/30	****	****	4.57	4.58	****
4. To what degree could you discuss your evaluations	66	1	1	0	0	0	1	3.00	****/27	****	****	4.25	4.37	****
5. Did conferences help you carry out field activities	66	1	0	1	0	0	1	3.50	****/25	****	****	4.35	4.63	****
Self Paced														
1. Did self-paced system contribute to what you learned	66	0	1	0	1	0	1	3.00	****/51	****	****	4.03	4.19	****
2. Did study questions make clear the expected goal	66	1	1	0	0	0	1	3.00	****/31	****	****	4.18	4.46	****
3. Were your contacts with the instructor helpful	66	1	0	1	0	0	1	3.50	****/36	****	****	4.33	4.38	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 111 01

Title: Basic Physics I

Instructor: Anderson, Eric C

Term - Fall 2013

Enrollment: 261

Questionnaires: 69

				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	66	1	0	0	0	1	1	4.50	****/19	****	****	4.17	4.29	****
5. Were there enough proctors for all the students	66	1	0	0	0	1	1	4.50	****/14	****	****	4.17	4.35	****

Credits E	arned	Cum. GP	A	Expected	l Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	19	Required for Majors	50	Graduate	0	Major	0
28-55	6	1.00-1.99	0	В	25						
56-83	11	2.00-2.99	4	С	10	General	3	Under-grad	69	Non-major	69
84-150	8	3.00-3.49	16	D	0						
Grad.	0	3.50-4.00	15	F	1	Electives	1	**** - Means the	re are not e	nough responses	
				Р	1			to be significant			
				1	1	Other	1				
				?	10						

Course-Section: PHYS 112 01

Title: Basic Physics II

Instructor: Cui,Lili

Term - Fall 2013

Enrollment: 119

				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	2	0	2	2	7	19	30	4.22	1017/1644	4.22	4.35	4.32	4.16	4.22
2. Did the instructor make clear the expected goals	3	0	1	2	7	19	30	4.27	968/1644	4.27	4.23	4.28	4.23	4.27
3. Did the exam questions reflect the expected goals	2	0	1	1	8	15	35	4.37	825/1419	4.37	4.34	4.35	4.25	4.37
4. Did other evaluations reflect the expected goals	2	10	3	5	6	10	26	4.02	1118/1596	4.02	4.30	4.24	4.09	4.02
5. Did assigned readings contribute to what you learned	4	3	4	2	13	16	20	3.84	1119/1535	3.84	4.01	4.15	4.02	3.84
6. Did written assignments contribute to what you learned	3	20	3	2	11	7	16	3.79	1117/1510	3.79	4.25	4.13	3.91	3.79
7. Was the grading system clearly explained	3	0	0	0	5	9	45	4.68	320/1620	4.68	4.30	4.20	4.13	4.68
8. How many times was class cancelled	4	1	0	0	0	3	54	4.95	379/1642	4.95	4.91	4.68	4.68	4.95
9. How would you grade the overall teaching effectiveness	15	2	1	1	8	23	12	3.98	1021/1596	3.98	4.09	4.12	4.07	3.98
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	4	13	43	4.65	691/1534	4.65	4.60	4.48	4.45	4.65
2. Did the instructor seem interested in the subject	3	0	0	1	1	11	46	4.73	1047/1539	4.73	4.83	4.76	4.72	4.73
3. Was lecture material presented and explained clearly	3	0	2	0	12	16	29	4.19	1053/1531	4.19	4.32	4.33	4.30	4.19
4. Did the lectures contribute to what you learned	3	0	1	1	7	12	38	4.44	831/1530	4.44	4.27	4.35	4.30	4.44
5. Did audiovisual techniques enhance your understanding	6	0	0	2	4	10	40	4.57	321/1409	4.57	4.11	4.08	3.97	4.57
Discussion														
1. Did class discussions contribute to what you learned	55	0	1	1	0	1	4	3.86	****/1366	****	3.96	4.18	3.96	****
2. Were all students actively encouraged to participate	55	0	2	0	0	1	4	3.71	****/1364	****	4.14	4.33	4.10	****
3. Did the instructor encourage fair and open discussion	56	0	1	0	1	2	2	3.67	****/1361	****	4.24	4.39	4.17	****
4. Were special techniques successful	55	1	0	1	1	0	4	4.17	****/1019	****	4.13	4.09	3.97	****

Course-Section: PHYS 112 01

Title: Basic Physics II

Instructor: Cui,Lili

Term - Fall 2013

Enrollment: 119

				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	19	2	6	5	10	9	11	3.34	172/185	3.34	4.22	4.23	4.19	3.34
2. Were you provided with adequate background information	20	0	7	7	4	8	16	3.45	185/209	3.45	4.22	4.19	4.18	3.45
3. Were necessary materials available for lab activities	19	1	1	2	1	9	29	4.50	121/181	4.50	4.48	4.53	4.68	4.50
4. Did the lab instructor provide assistance	19	0	2	5	6	8	22	4.00	157/183	4.00	4.48	4.46	4.50	4.00
5. Were requirements for lab reports clearly specified	19	9	0	0	6	7	21	4.44	58/172	4.44	4.08	4.14	4.22	4.44
Seminar														
3. Did research projects contribute to what you learned	61	0	0	0	0	0	1	5.00	****/68	****	****	4.41	4.22	****
4. Did presentations contribute to what you learned	61	0	0	0	0	0	1	5.00	****/71	****	****	4.40	4.19	****
5. Were criteria for grading made clear	61	0	0	0	0	0	1	5.00	****/73	****	****	4.09	3.85	****
Field Work														
3. Was the instructor available for consultation	61	0	0	0	0	0	1	5.00	****/30	****	****	4.57	4.58	****
4. To what degree could you discuss your evaluations	61	0	0	0	0	0	1	5.00	****/27	****	****	4.25	4.37	****
5. Did conferences help you carry out field activities	61	0	0	0	0	0	1	5.00	****/25	****	****	4.35	4.63	****
Self Paced														
3. Were your contacts with the instructor helpful	61	0	0	0	0	0	1	5.00	****/36	****	****	4.33	4.38	****
4. Was the feedback/tutoring by proctors helpful	61	0	0	0	0	0	1	5.00	****/19	****	****	4.17	4.29	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 112 01
Title: Basic Physics II

Instructor: Cui,Lili

Term - Fall 2013

Enrollment: 119

Questionnaires: 62

				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														
5. Were there enough proctors for all the students	61	0	0	0	0	0	1	5.00	****/14	****	****	4.17	4.35	****

Credits E	arned	Cum. GP	Α	Expected	l Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	1	Α	27	Required for Majors	42	Graduate	0	Major	0
28-55	2	1.00-1.99	0	В	10						
56-83	4	2.00-2.99	3	С	6	General	0	Under-grad	62	Non-major	62
84-150	13	3.00-3.49	6	D	0						
Grad.	0	3.50-4.00	17	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				1	0	Other	0				
				?	19						

Course-Section: PHYS 121 01

Title: Introductory Physics I

Instructor: Cui,Lili

Term - Fall 2013

Enrollment: 307

				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	10	15	52	4.55	638/1644	4.55	4.35	4.32	4.16	4.55
2. Did the instructor make clear the expected goals	2	0	0	2	7	13	54	4.57	558/1644	4.57	4.23	4.28	4.23	4.57
3. Did the exam questions reflect the expected goals	3	0	0	1	3	12	59	4.72	380/1419	4.72	4.34	4.35	4.25	4.72
4. Did other evaluations reflect the expected goals	1	23	0	0	5	11	38	4.61	423/1596	4.61	4.30	4.24	4.09	4.61
5. Did assigned readings contribute to what you learned	1	2	2	5	9	18	41	4.21	772/1535	4.21	4.01	4.15	4.02	4.21
6. Did written assignments contribute to what you learned	2	43	1	0	4	6	22	4.45	483/1510	4.45	4.25	4.13	3.91	4.45
7. Was the grading system clearly explained	1	0	0	0	6	17	54	4.62	375/1620	4.62	4.30	4.20	4.13	4.62
8. How many times was class cancelled	1	0	0	0	0	1	76	4.99	127/1642	4.99	4.91	4.68	4.68	4.99
9. How would you grade the overall teaching effectiveness	11	0	2	0	10	35	20	4.06	938/1596	4.06	4.09	4.12	4.07	4.06
Lecture														
1. Were the instructor's lectures well prepared	1	0	1	0	2	14	60	4.71	593/1534	4.71	4.60	4.48	4.45	4.71
2. Did the instructor seem interested in the subject	1	0	0	1	2	6	68	4.83	808/1539	4.83	4.83	4.76	4.72	4.83
3. Was lecture material presented and explained clearly	1	0	0	3	7	21	46	4.43	826/1531	4.43	4.32	4.33	4.30	4.43
4. Did the lectures contribute to what you learned	1	0	1	1	6	12	57	4.60	655/1530	4.60	4.27	4.35	4.30	4.60
5. Did audiovisual techniques enhance your understanding	3	3	2	1	10	14	45	4.38	513/1409	4.38	4.11	4.08	3.97	4.38
Discussion														
1. Did class discussions contribute to what you learned	12	0	1	1	10	21	33	4.27	706/1366	4.27	3.96	4.18	3.96	4.27
2. Were all students actively encouraged to participate	13	0	1	0	5	16	43	4.54	625/1364	4.54	4.14	4.33	4.10	4.54
3. Did the instructor encourage fair and open discussion	14	0	1	4	11	11	37	4.23	940/1361	4.23	4.24	4.39	4.17	4.23
4. Were special techniques successful	13	11	2	2	11	12	27	4.11	531/1019	4.11	4.13	4.09	3.97	4.11

Course-Section: PHYS 121 01

Title: Introductory Physics I

Instructor: Cui,Lili

Term - Fall 2013

Enrollment: 307

Questionnaires: 78

				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	73	0	0	0	0	2	3	4.60	****/185	****	4.22	4.23	4.19	****
2. Were you provided with adequate background information	73	0	0	0	0	2	3	4.60	****/209	****	4.22	4.19	4.18	****
3. Were necessary materials available for lab activities	73	0	0	0	0	2	3	4.60	****/181	****	4.48	4.53	4.68	****
4. Did the lab instructor provide assistance	73	0	0	0	0	0	5	5.00	****/183	****	4.48	4.46	4.50	****
5. Were requirements for lab reports clearly specified	73	1	0	0	0	2	2	4.50	****/172	****	4.08	4.14	4.22	****
Seminar														
1. Were assigned topics relevant to the announced theme	75	0	0	0	0	1	2	4.67	****/72	****	****	4.53	4.35	****
2. Was the instructor available for individual attention	75	1	0	0	0	0	2	5.00	****/71	****	****	4.38	4.21	****
3. Did research projects contribute to what you learned	75	2	0	0	0	0	1	5.00	****/68	****	****	4.41	4.22	****
4. Did presentations contribute to what you learned	75	1	0	0	0	1	1	4.50	****/71	****	****	4.40	4.19	****
5. Were criteria for grading made clear	76	1	0	0	0	0	1	5.00	****/73	****	****	4.09	3.85	****
Field Work														
1. Did field experience contribute to what you learned	76	0	0	0	0	0	2	5.00	****/48	****	****	4.16	3.97	****
2. Did you clearly understand your evaluation criteria	76	0	0	0	0	0	2	5.00	****/45	****	****	4.19	3.97	****
3. Was the instructor available for consultation	76	0	0	0	0	1	1	4.50	****/30	****	****	4.57	4.58	****
4. To what degree could you discuss your evaluations	76	0	0	0	0	0	2	5.00	****/27	****	****	4.25	4.37	****
5. Did conferences help you carry out field activities	76	1	0	0	0	0	1	5.00	****/25	****	****	4.35	4.63	****
Self Paced														
1. Did self-paced system contribute to what you learned	76	0	0	0	0	1	1	4.50	****/51	****	****	4.03	4.19	****
2. Did study questions make clear the expected goal	76	0	0	0	0	0	2	5.00	****/31	****	****	4.18	4.46	****
3. Were your contacts with the instructor helpful	76	0	0	0	0	0	2	5.00	****/36	****	****	4.33	4.38	****

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Student Course Evaluation Questionnaires

Course-Section: PHYS 121 01

Title: Introductory Physics I

Instructor: Cui,Lili

Term - Fall 2013

Enrollment: 307

Questionnaires: 78

				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	76	0	0	0	0	0	2	5.00	****/19	****	****	4.17	4.29	****
5. Were there enough proctors for all the students	76	0	0	0	0	0	2	5.00	****/14	****	****	4.17	4.35	****

Credits E	Earned	Cum. GP	A	Expected	l Grades	Reasons		Туре		Majors	
00-27	13	0.00-0.99	3	Α	34	Required for Majors	61	Graduate	0	Major	3
28-55	16	1.00-1.99	1	В	26						
56-83	4	2.00-2.99	4	С	6	General	5	Under-grad	78	Non-major	75
84-150	2	3.00-3.49	3	D	1						
Grad.	0	3.50-4.00	13	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				1	0	Other	1				
				?	9						

Course-Section: PHYS 122 01

Title: Introductory Physics II

Instructor: Anderson, Eric C

Term - Fall 2013

Enrollment: 200

				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	5	0	0	4	7	22	52	4.44	776/1644	4.44	4.35	4.32	4.16	4.44
2. Did the instructor make clear the expected goals	6	0	1	4	7	19	53	4.42	785/1644	4.42	4.23	4.28	4.23	4.42
3. Did the exam questions reflect the expected goals	5	0	0	4	6	27	48	4.40	775/1419	4.40	4.34	4.35	4.25	4.40
4. Did other evaluations reflect the expected goals	5	32	0	0	5	19	29	4.45	642/1596	4.45	4.30	4.24	4.09	4.45
5. Did assigned readings contribute to what you learned	6	17	5	1	15	17	29	3.96	1019/1535	3.96	4.01	4.15	4.02	3.96
6. Did written assignments contribute to what you learned	7	45	0	0	3	14	21	4.47	461/1510	4.47	4.25	4.13	3.91	4.47
7. Was the grading system clearly explained	6	0	1	4	5	16	58	4.50	527/1620	4.50	4.30	4.20	4.13	4.50
8. How many times was class cancelled	6	1	0	0	0	2	81	4.98	190/1642	4.98	4.91	4.68	4.68	4.98
9. How would you grade the overall teaching effectiveness	14	2	1	0	11	26	36	4.30	654/1596	4.30	4.09	4.12	4.07	4.30
Lecture														
1. Were the instructor's lectures well prepared	5	0	0	1	2	14	68	4.75	525/1534	4.75	4.60	4.48	4.45	4.75
2. Did the instructor seem interested in the subject	5	0	0	0	1	10	74	4.86	751/1539	4.86	4.83	4.76	4.72	4.86
3. Was lecture material presented and explained clearly	5	0	0	3	8	23	51	4.44	813/1531	4.44	4.32	4.33	4.30	4.44
4. Did the lectures contribute to what you learned	5	0	3	3	6	14	59	4.45	831/1530	4.45	4.27	4.35	4.30	4.45
5. Did audiovisual techniques enhance your understanding	8	6	1	1	7	18	49	4.49	402/1409	4.49	4.11	4.08	3.97	4.49
Discussion														
1. Did class discussions contribute to what you learned	11	0	6	5	12	21	35	3.94	918/1366	3.94	3.96	4.18	3.96	3.94
2. Were all students actively encouraged to participate	11	0	5	4	8	19	43	4.15	936/1364	4.15	4.14	4.33	4.10	4.15
3. Did the instructor encourage fair and open discussion	12	0	7	5	5	17	44	4.10	1004/1361	4.10	4.24	4.39	4.17	4.10
4. Were special techniques successful	11	21	1	3	7	13	34	4.31	393/1019	4.31	4.13	4.09	3.97	4.31

Student Course Evaluation Questionnaires

Course-Section: PHYS 122 01

Title: Introductory Physics II

Instructor: Anderson, Eric C

Term - Fall 2013

Enrollment: 200

Questionnaires: 90

				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	85	1	0	0	0	1	3	4.75	****/185	****	4.22	4.23	4.19	****
2. Were you provided with adequate background information	85	0	1	0	0	1	3	4.00	****/209	****	4.22	4.19	4.18	****
3. Were necessary materials available for lab activities	85	0	0	0	0	2	3	4.60	****/181	****	4.48	4.53	4.68	****
4. Did the lab instructor provide assistance	85	0	0	0	2	0	3	4.20	****/183	****	4.48	4.46	4.50	****
5. Were requirements for lab reports clearly specified	85	3	0	0	0	1	1	4.50	****/172	****	4.08	4.14	4.22	****
Seminar														
2. Was the instructor available for individual attention	89	0	0	0	0	1	0	4.00	****/71	****	****	4.38	4.21	****
4. Did presentations contribute to what you learned	89	0	0	0	1	0	0	3.00	****/71	****	****	4.40	4.19	****
5. Were criteria for grading made clear	89	0	0	0	0	0	1	5.00	****/73	****	****	4.09	3.85	****

Credits E	arned	Cum. GP	A	Expected	l Grades	Reasons		Туре		Majors	
00-27	7	0.00-0.99	2	Α	43	Required for Majors	71	Graduate	0	Major	0
28-55	20	1.00-1.99	0	В	29						
56-83	11	2.00-2.99	2	С	7	General	5	Under-grad	90	Non-major	90
84-150	2	3.00-3.49	18	D	2						
Grad.	0	3.50-4.00	23	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	9						

Course-Section: PHYS 122H 01

Title: Introductory Physics II

Instructor: Anderson, Eric C

Term - Fall 2013

Enrollment: 12

				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	1	3	5	4.44	763/1644	4.44	4.35	4.32	4.16	4.44
2. Did the instructor make clear the expected goals	0	0	0	0	2	1	6	4.44	734/1644	4.44	4.23	4.28	4.23	4.44
3. Did the exam questions reflect the expected goals	0	0	0	0	2	1	6	4.44	717/1419	4.44	4.34	4.35	4.25	4.44
4. Did other evaluations reflect the expected goals	1	3	0	0	1	0	4	4.60	437/1596	4.60	4.30	4.24	4.09	4.60
5. Did assigned readings contribute to what you learned	0	2	1	1	0	2	3	3.71	1204/1535	3.71	4.01	4.15	4.02	3.71
6. Did written assignments contribute to what you learned	0	5	0	0	1	1	2	4.25	727/1510	4.25	4.25	4.13	3.91	4.25
7. Was the grading system clearly explained	0	0	0	1	0	0	8	4.67	331/1620	4.67	4.30	4.20	4.13	4.67
8. How many times was class cancelled	0	0	0	0	0	0	9	5.00	1/1642	5.00	4.91	4.68	4.68	5.00
9. How would you grade the overall teaching effectiveness	0	1	0	0	1	4	3	4.25	705/1596	4.25	4.09	4.12	4.07	4.25
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	2	1	6	4.44	974/1534	4.44	4.60	4.48	4.45	4.44
2. Did the instructor seem interested in the subject	0	0	0	0	0	2	7	4.78	951/1539	4.78	4.83	4.76	4.72	4.78
3. Was lecture material presented and explained clearly	0	0	0	0	4	1	4	4.00	1163/1531	4.00	4.32	4.33	4.30	4.00
4. Did the lectures contribute to what you learned	1	0	0	0	3	2	3	4.00	1163/1530	4.00	4.27	4.35	4.30	4.00
5. Did audiovisual techniques enhance your understanding	0	1	1	1	1	1	4	3.75	1029/1409	3.75	4.11	4.08	3.97	3.75
Discussion														
1. Did class discussions contribute to what you learned	0	0	0	0	0	5	4	4.44	559/1366	4.44	3.96	4.18	3.96	4.44
2. Were all students actively encouraged to participate	0	0	0	0	0	1	8	4.89	240/1364	4.89	4.14	4.33	4.10	4.89
3. Did the instructor encourage fair and open discussion	0	0	0	0	1	3	5	4.44	772/1361	4.44	4.24	4.39	4.17	4.44
4. Were special techniques successful	0	1	0	0	3	1	4	4.13	523/1019	4.13	4.13	4.09	3.97	4.13

Student Course Evaluation Questionnaires

Course-Section: PHYS 122H 01

Title: Introductory Physics II

Instructor: Anderson, Eric C

Term - Fall 2013

Enrollment: 12

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														
1. Did the lab increase understanding of the material	7	0	0	0	0	0	2	5.00	****/185	****	4.22	4.23	4.19	****
2. Were you provided with adequate background information	7	0	0	0	1	0	1	4.00	****/209	****	4.22	4.19	4.18	****
3. Were necessary materials available for lab activities	7	0	0	0	1	0	1	4.00	****/181	****	4.48	4.53	4.68	****
4. Did the lab instructor provide assistance	7	0	0	0	1	0	1	4.00	****/183	****	4.48	4.46	4.50	****

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

Course-Section: PHYS 122H 01

Title: Introductory Physics II

Instructor: George,Ian

Term - Fall 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	0	1	3	5	4.44	763/1644	4.44	4.35	4.32	4.16	4.44
2. Did the instructor make clear the expected goals	0	0	0	0	2	1	6	4.44	734/1644	4.44	4.23	4.28	4.23	4.44
3. Did the exam questions reflect the expected goals	0	0	0	0	2	1	6	4.44	717/1419	4.44	4.34	4.35	4.25	4.44
4. Did other evaluations reflect the expected goals	1	3	0	0	1	0	4	4.60	437/1596	4.60	4.30	4.24	4.09	4.60
5. Did assigned readings contribute to what you learned	0	2	1	1	0	2	3	3.71	1204/1535	3.71	4.01	4.15	4.02	3.71
6. Did written assignments contribute to what you learned	0	5	0	0	1	1	2	4.25	727/1510	4.25	4.25	4.13	3.91	4.25
7. Was the grading system clearly explained	0	0	0	1	0	0	8	4.67	331/1620	4.67	4.30	4.20	4.13	4.67
8. How many times was class cancelled	0	0	0	0	0	0	9	5.00	1/1642	5.00	4.91	4.68	4.68	5.00
Discussion														
1. Did class discussions contribute to what you learned	0	0	0	0	0	5	4	4.44	559/1366	4.44	3.96	4.18	3.96	4.44
2. Were all students actively encouraged to participate	0	0	0	0	0	1	8	4.89	240/1364	4.89	4.14	4.33	4.10	4.89
3. Did the instructor encourage fair and open discussion	0	0	0	0	1	3	5	4.44	772/1361	4.44	4.24	4.39	4.17	4.44
4. Were special techniques successful	0	1	0	0	3	1	4	4.13	523/1019	4.13	4.13	4.09	3.97	4.13
Laboratory														
1. Did the lab increase understanding of the material	7	0	0	0	0	0	2	5.00	****/185	****	4.22	4.23	4.19	****
2. Were you provided with adequate background information	7	0	0	0	1	0	1	4.00	****/209	****	4.22	4.19	4.18	****
3. Were necessary materials available for lab activities	7	0	0	0	1	0	1	4.00	****/181	****	4.48	4.53	4.68	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 122H 01 Title: Introductory Physics II

Instructor: George, Ian

Term - Fall 2013

Enrollment: 12 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
Laboratory														
4. Did the lab instructor provide assistance	7	0	0	0	1	0	1	4.00	****/183	****	4.48	4.46	4.50	****

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

Course-Section: PHYS 122L 03

Title: Introductory Physics Lab

Instructor: Takacs, Laszlo

Term - Fall 2013

Enrollment: 40

·				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	2	2	3	1	3	3.09	1597/1644	3.09	4.35	4.32	4.16	3.09
2. Did the instructor make clear the expected goals	1	0	2	0	5	3	1	3.09	1582/1644	3.09	4.23	4.28	4.23	3.09
3. Did the exam questions reflect the expected goals	1	5	0	0	2	2	2	4.00	1090/1419	4.00	4.34	4.35	4.25	4.00
4. Did other evaluations reflect the expected goals	1	1	2	1	2	1	4	3.40	1469/1596	3.40	4.30	4.24	4.09	3.40
5. Did assigned readings contribute to what you learned	1	6	0	1	1	0	3	4.00	970/1535	4.00	4.01	4.15	4.02	4.00
6. Did written assignments contribute to what you learned	1	0	3	2	0	2	4	3.18	1418/1510	3.18	4.25	4.13	3.91	3.18
7. Was the grading system clearly explained	1	0	1	2	0	2	6	3.91	1241/1620	3.91	4.30	4.20	4.13	3.91
8. How many times was class cancelled	1	0	0	0	0	1	10	4.91	632/1642	4.91	4.91	4.68	4.68	4.91
9. How would you grade the overall teaching effectiveness	1	0	1	2	5	3	0	2.91	1550/1596	2.91	4.09	4.12	4.07	2.91
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	1	5	5	4.36	1064/1534	4.36	4.60	4.48	4.45	4.36
2. Did the instructor seem interested in the subject	1	0	0	0	0	1	10	4.91	609/1539	4.91	4.83	4.76	4.72	4.91
3. Was lecture material presented and explained clearly	1	0	0	0	4	4	3	3.91	1247/1531	3.91	4.32	4.33	4.30	3.91
4. Did the lectures contribute to what you learned	1	0	1	2	2	4	2	3.36	1422/1530	3.36	4.27	4.35	4.30	3.36
5. Did audiovisual techniques enhance your understanding	1	2	0	2	3	1	3	3.56	1147/1409	3.56	4.11	4.08	3.97	3.56
Discussion														
1. Did class discussions contribute to what you learned	9	0	2	0	0	0	1	2.33	1345/1366	2.33	3.96	4.18	3.96	2.33
2. Were all students actively encouraged to participate	9	0	2	0	1	0	0	1.67	1361/1364	1.67	4.14	4.33	4.10	1.67
3. Did the instructor encourage fair and open discussion	8	0	1	1	1	0	1	2.75	1328/1361	2.75	4.24	4.39	4.17	2.75
Laboratory														
1. Did the lab increase understanding of the material	2	0	1	1	1	3	4	3.80	143/185	3.80	4.22	4.23	4.19	3.80

Student Course Evaluation Questionnaires

Course-Section: PHYS 122L 03

Title: Introductory Physics Lab

Instructor: Takacs, Laszlo

Term - Fall 2013

Enrollment: 40

Questionnaires: 12

				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	0	0	1	5	4	4.30	113/209	4.30	4.22	4.19	4.18	4.30
3. Were necessary materials available for lab activities	2	0	0	0	2	5	3	4.10	157/181	4.10	4.48	4.53	4.68	4.10
4. Did the lab instructor provide assistance	2	0	0	0	1	4	5	4.40	121/183	4.40	4.48	4.46	4.50	4.40
5. Were requirements for lab reports clearly specified	2	0	1	1	2	5	1	3.40	154/172	3.40	4.08	4.14	4.22	3.40

Credits E	arned	Cum. GP	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	6	Required for Majors	6	Graduate	0	Major	7
28-55	0	1.00-1.99	0	В	2						
56-83	2	2.00-2.99	0	С	1	General	3	Under-grad	12	Non-major	5
84-150	1	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	5	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	3						

Course-Section: PHYS 224 01

Title: Introductory Physics III

Instructor: Worchesky, Terra

Term - Fall 2013

Enrollment: 42

		0 0 0 0 4 3 28 4.69 455/16 0 0 0 2 2 14 17 4.31 925/16							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	4	3	28	4.69	455/1644	4.69	4.35	4.32	4.36	4.69
2. Did the instructor make clear the expected goals	0	0	0	2	2	14	17	4.31	925/1644	4.31	4.23	4.28	4.35	4.31
3. Did the exam questions reflect the expected goals	0	0	1	0	4	10	20	4.37	812/1419	4.37	4.34	4.35	4.42	4.37
4. Did other evaluations reflect the expected goals	2	16	1	1	3	6	6	3.88	1225/1596	3.88	4.30	4.24	4.31	3.88
5. Did assigned readings contribute to what you learned	0	2	4	4	8	6	11	3.48	1336/1535	3.48	4.01	4.15	4.20	3.48
6. Did written assignments contribute to what you learned	0	16	2	1	3	4	9	3.89	1040/1510	3.89	4.25	4.13	4.17	3.89
7. Was the grading system clearly explained	0	0	1	2	6	7	19	4.17	994/1620	4.17	4.30	4.20	4.25	4.17
8. How many times was class cancelled	0	0	0	0	0	0	35	5.00	1/1642	5.00	4.91	4.68	4.67	5.00
9. How would you grade the overall teaching effectiveness	9	0	1	0	4	10	11	4.15	836/1596	4.15	4.09	4.12	4.13	4.15
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	1	5	29	4.80	439/1534	4.80	4.60	4.48	4.51	4.80
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	35	5.00	1/1539	5.00	4.83	4.76	4.80	5.00
3. Was lecture material presented and explained clearly	0	0	1	1	1	8	24	4.51	708/1531	4.51	4.32	4.33	4.38	4.51
4. Did the lectures contribute to what you learned	0	0	1	1	3	6	24	4.46	818/1530	4.46	4.27	4.35	4.41	4.46
5. Did audiovisual techniques enhance your understanding	0	4	0	3	3	15	10	4.03	807/1409	4.03	4.11	4.08	4.23	4.03
Discussion														
1. Did class discussions contribute to what you learned	30	0	1	0	1	1	2	3.60	****/1366	****	3.96	4.18	4.24	****
2. Were all students actively encouraged to participate	30	0	1	0	1	1	2	3.60	****/1364	****	4.14	4.33	4.39	****
3. Did the instructor encourage fair and open discussion	30	0	1	0	0	1	3	4.00	****/1361	****	4.24	4.39	4.48	****
4. Were special techniques successful	31	3	0	0	0	0	1	5.00	****/1019	****	4.13	4.09	4.14	****

Course-Section: PHYS 224 01

Title: Introductory Physics III

Instructor: Worchesky, Terra

Term - Fall 2013

Enrollment: 42

				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	34	0	0	0	0	0	1	5.00	****/185	****	4.22	4.23	4.42	****
2. Were you provided with adequate background information	34	0	0	0	0	0	1	5.00	****/209	****	4.22	4.19	4.45	****
3. Were necessary materials available for lab activities	34	0	0	0	0	0	1	5.00	****/181	****	4.48	4.53	4.67	****
4. Did the lab instructor provide assistance	34	0	0	0	0	0	1	5.00	****/183	****	4.48	4.46	4.64	****
5. Were requirements for lab reports clearly specified	34	0	0	0	0	0	1	5.00	****/172	****	4.08	4.14	4.50	****
Seminar														
1. Were assigned topics relevant to the announced theme	34	0	0	0	0	0	1	5.00	****/72	****	****	4.53	4.71	****
2. Was the instructor available for individual attention	34	0	0	0	0	0	1	5.00	****/71	****	****	4.38	4.63	****
3. Did research projects contribute to what you learned	34	0	0	0	0	0	1	5.00	****/68	****	****	4.41	4.25	****
4. Did presentations contribute to what you learned	34	0	0	0	0	0	1	5.00	****/71	****	****	4.40	4.47	****
5. Were criteria for grading made clear	34	0	0	0	0	0	1	5.00	****/73	****	****	4.09	3.99	****
Field Work														
1. Did field experience contribute to what you learned	34	0	0	0	0	0	1	5.00	****/48	****	****	4.16	4.81	****
2. Did you clearly understand your evaluation criteria	34	0	0	0	0	0	1	5.00	****/45	****	****	4.19	4.58	****
3. Was the instructor available for consultation	34	0	0	0	0	0	1	5.00	****/30	****	****	4.57	4.57	****
4. To what degree could you discuss your evaluations	34	0	0	0	0	0	1	5.00	****/27	****	****	4.25	5.00	****
5. Did conferences help you carry out field activities	34	0	0	0	0	0	1	5.00	****/25	****	****	4.35	5.00	****
Self Paced														
1. Did self-paced system contribute to what you learned	34	0	0	0	0	0	1	5.00	****/51	****	****	4.03	5.00	****
2. Did study questions make clear the expected goal	34	0	0	0	0	0	1	5.00	****/31	****	****	4.18	5.00	****
3. Were your contacts with the instructor helpful	34	0	0	0	0	0	1	5.00	****/36	****	****	4.33	****	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 224 01

Title: Introductory Physics III

Instructor: Worchesky, Terra

Term - Fall 2013

Enrollment: 42

Questionnaires: 35

				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	34	0	0	0	0	0	1	5.00	****/19	****	****	4.17	****	****
5. Were there enough proctors for all the students	34	0	0	0	0	0	1	5.00	****/14	****	****	4.17	****	****

Credits Ea	arned	Cum. GP.	A	Expected	Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	Α	13	Required for Majors	28	Graduate	0	Major	26
28-55	5	1.00-1.99	0	В	12						
56-83	8	2.00-2.99	1	С	6	General	0	Under-grad	35	Non-major	9
84-150	1	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	20	F	0	Electives	2	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				1	0	Other	1				
				?	2						

Course-Section: PHYS 303 01

Title: Thermal/Statistical Phys

Instructor: McCann, Kevin J

Term - Fall 2013

Enrollment: 21

				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	5	0	0	0	0	2	14	4.88	208/1644	4.88	4.35	4.32	4.31	4.88
2. Did the instructor make clear the expected goals	5	0	0	0	2	7	7	4.31	925/1644	4.31	4.23	4.28	4.25	4.31
3. Did the exam questions reflect the expected goals	6	0	0	0	1	7	7	4.40	775/1419	4.40	4.34	4.35	4.31	4.40
4. Did other evaluations reflect the expected goals	5	3	0	0	2	4	7	4.38	745/1596	4.38	4.30	4.24	4.25	4.38
5. Did assigned readings contribute to what you learned	6	4	0	1	1	5	4	4.09	896/1535	4.09	4.01	4.15	4.14	4.09
6. Did written assignments contribute to what you learned	6	7	0	0	0	4	4	4.50	429/1510	4.50	4.25	4.13	4.16	4.50
7. Was the grading system clearly explained	6	0	0	2	1	4	8	4.20	968/1620	4.20	4.30	4.20	4.18	4.20
8. How many times was class cancelled	6	1	0	0	0	0	14	5.00	1/1642	5.00	4.91	4.68	4.65	5.00
9. How would you grade the overall teaching effectiveness	7	0	0	0	1	5	8	4.50	382/1596	4.50	4.09	4.12	4.09	4.50
Lecture														
1. Were the instructor's lectures well prepared	6	0	0	0	0	3	12	4.80	439/1534	4.80	4.60	4.48	4.44	4.80
2. Did the instructor seem interested in the subject	6	0	0	0	0	4	11	4.73	1028/1539	4.73	4.83	4.76	4.74	4.73
3. Was lecture material presented and explained clearly	6	0	0	0	1	6	8	4.47	775/1531	4.47	4.32	4.33	4.30	4.47
4. Did the lectures contribute to what you learned	6	0	0	0	0	4	11	4.73	470/1530	4.73	4.27	4.35	4.32	4.73
5. Did audiovisual techniques enhance your understanding	6	3	0	0	3	2	7	4.33	551/1409	4.33	4.11	4.08	4.09	4.33
Discussion														
1. Did class discussions contribute to what you learned	19	0	0	0	1	1	0	3.50	****/1366	****	3.96	4.18	4.22	****
2. Were all students actively encouraged to participate	19	0	0	0	0	2	0	4.00	****/1364	****	4.14	4.33	4.37	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 303 01

Title: Thermal/Statistical Phys

Instructor: McCann, Kevin J

Term - Fall 2013

Enrollment: 21

Questionnaires: 21

				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	19	0	0	0	0	0	2	5.00	****/1361	****	4.24	4.39	4.39	****

Credits Ea	arned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	5	Required for Majors	15	Graduate	0	Major	14
28-55	0	1.00-1.99	0	В	5						
56-83	0	2.00-2.99	0	С	4	General	0	Under-grad	21	Non-major	7
84-150	5	3.00-3.49	3	D	0						
Grad.	0	3.50-4.00	8	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	7						

Course-Section: PHYS 304 01

Title: Fundamentals of Astronom

Instructor: Henriksen, Mark

Term - Fall 2013

Enrollment: 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
General														
1. Did you gain new insights, skills from this course	0	0	1	1	0	0	9	4.36	857/1644	4.36	4.35	4.32	4.31	4.36
2. Did the instructor make clear the expected goals	0	0	1	1	1	5	3	3.73	1400/1644	3.73	4.23	4.28	4.25	3.73
3. Did the exam questions reflect the expected goals	0	0	0	1	2	4	4	4.00	1090/1419	4.00	4.34	4.35	4.31	4.00
4. Did other evaluations reflect the expected goals	0	6	1	2	0	1	1	2.80	1564/1596	2.80	4.30	4.24	4.25	2.80
5. Did assigned readings contribute to what you learned	0	0	1	0	4	4	2	3.55	1304/1535	3.55	4.01	4.15	4.14	3.55
6. Did written assignments contribute to what you learned	0	8	0	1	0	1	1	3.67	1182/1510	3.67	4.25	4.13	4.16	3.67
7. Was the grading system clearly explained	0	0	0	1	2	2	6	4.18	985/1620	4.18	4.30	4.20	4.18	4.18
8. How many times was class cancelled	0	0	0	0	0	0	11	5.00	1/1642	5.00	4.91	4.68	4.65	5.00
9. How would you grade the overall teaching effectiveness	1	0	2	0	3	3	2	3.30	1470/1596	3.30	4.09	4.12	4.09	3.30
Lecture														
1. Were the instructor's lectures well prepared	0	0	2	0	2	2	5	3.73	1413/1534	3.73	4.60	4.48	4.44	3.73
2. Did the instructor seem interested in the subject	0	0	0	1	2	0	8	4.36	1390/1539	4.36	4.83	4.76	4.74	4.36
3. Was lecture material presented and explained clearly	0	0	3	0	2	4	2	3.18	1449/1531	3.18	4.32	4.33	4.30	3.18
4. Did the lectures contribute to what you learned	0	0	2	0	3	1	5	3.64	1337/1530	3.64	4.27	4.35	4.32	3.64
5. Did audiovisual techniques enhance your understanding	0	3	2	2	0	3	1	2.88	1351/1409	2.88	4.11	4.08	4.09	2.88
Discussion	0 3 2 2 0 3 1 2.88													
1. Did class discussions contribute to what you learned	9	0	0	0	1	1	0	3.50	****/1366	****	3.96	4.18	4.22	****
2. Were all students actively encouraged to participate	9	0	0	0	0	1	1	4.50	****/1364	****	4.14	4.33	4.37	****
3. Did the instructor encourage fair and open discussion	9	0	0	0	0	1	1	4.50	****/1361	****	4.24	4.39	4.39	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 304 01

Title: Fundamentals of Astronom

Instructor: Henriksen, Mark

Term - Fall 2013

Enrollment: 16

Questionnaires: 11

				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	10	0	0	0	0	1	0	4.00	****/209	****	4.22	4.19	4.18	****

Credits E	arned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	Α	4	Required for Majors	6	Graduate	0	Major	8
28-55	0	1.00-1.99	0	В	3						
56-83	0	2.00-2.99	0	С	3	General	0	Under-grad	11	Non-major	3
84-150	3	3.00-3.49	2	D	0						
Grad.	0	3.50-4.00	5	F	0	Electives	4	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	1						

Course-Section: PHYS 315 01

Title: Galaxies & Interstellar

Instructor: Davis, David S

Term - Fall 2013

Enrollment: 19

Questionnaires: 10

				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	5	2	2	3.50	1522/1644	3.50	4.35	4.32	4.31	3.50
2. Did the instructor make clear the expected goals	0	0	1	2	4	3	0	2.90	1598/1644	2.90	4.23	4.28	4.25	2.90
3. Did the exam questions reflect the expected goals	0	0	1	2	2	3	2	3.30	1351/1419	3.30	4.34	4.35	4.31	3.30
4. Did other evaluations reflect the expected goals	0	1	0	1	5	3	0	3.22	1514/1596	3.22	4.30	4.24	4.25	3.22
5. Did assigned readings contribute to what you learned	0	0	3	1	5	1	0	2.40	1524/1535	2.40	4.01	4.15	4.14	2.40
6. Did written assignments contribute to what you learned	0	5	0	1	3	0	1	3.20	1414/1510	3.20	4.25	4.13	4.16	3.20
7. Was the grading system clearly explained	0	0	0	2	2	1	5	3.90	1241/1620	3.90	4.30	4.20	4.18	3.90
8. How many times was class cancelled	0	0	0	0	0	2	8	4.80	840/1642	4.80	4.91	4.68	4.65	4.80
9. How would you grade the overall teaching effectiveness	1	1	1	0	4	3	0	3.13	1510/1596	3.13	4.09	4.12	4.09	3.13
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	1	2	2	5	4.10	1261/1534	4.10	4.60	4.48	4.44	4.10
2. Did the instructor seem interested in the subject	0	0	0	0	1	3	6	4.50	1298/1539	4.50	4.83	4.76	4.74	4.50
3. Was lecture material presented and explained clearly	1	0	0	2	1	5	1	3.56	1380/1531	3.56	4.32	4.33	4.30	3.56
4. Did the lectures contribute to what you learned	0	1	0	1	3	4	1	3.56	1365/1530	3.56	4.27	4.35	4.32	3.56

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Student Course Evaluation Questionnaires

Course-Section: PHYS 315 01

Title: Galaxies & Interstellar

Instructor: Davis, David S

Term - Fall 2013

Enrollment: 19

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
Lecture														
5. Did audiovisual techniques enhance your understanding	0	0	0	1	2	5	2	3.80	993/1409	3.80	4.11	4.08	4.09	3.80

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

Course-Section: PHYS 324 01

Title: Modern Physics

Instructor: Kestner, Jason P

Term - Fall 2013

Enrollment: 16

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
General														
1. Did you gain new insights, skills from this course	0	0	0	0	2	0	9	4.64	523/1644	4.64	4.35	4.32	4.31	4.64
2. Did the instructor make clear the expected goals	0	0	0	0	1	1	9	4.73	346/1644	4.73	4.23	4.28	4.25	4.73
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	10	4.91	170/1419	4.91	4.34	4.35	4.31	4.91
4. Did other evaluations reflect the expected goals	0	5	0	0	0	1	5	4.83	178/1596	4.83	4.30	4.24	4.25	4.83
5. Did assigned readings contribute to what you learned	0	5	0	0	0	0	6	5.00	1/1535	5.00	4.01	4.15	4.14	5.00
6. Did written assignments contribute to what you learned	0	3	0	0	0	2	6	4.75	196/1510	4.75	4.25	4.13	4.16	4.75
7. Was the grading system clearly explained	0	0	0	0	0	0	11	5.00	1/1620	5.00	4.30	4.20	4.18	5.00
8. How many times was class cancelled	0	0	0	0	0	0	11	5.00	1/1642	5.00	4.91	4.68	4.65	5.00
9. How would you grade the overall teaching effectiveness	3	1	0	0	0	1	6	4.86	119/1596	4.86	4.09	4.12	4.09	4.86
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	11	5.00	1/1534	5.00	4.60	4.48	4.44	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	11	5.00	1/1539	5.00	4.83	4.76	4.74	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	1	1	9	4.73	391/1531	4.73	4.32	4.33	4.30	4.73
4. Did the lectures contribute to what you learned	0	0	0	0	0	2	9	4.82	340/1530	4.82	4.27	4.35	4.32	4.82
5. Did audiovisual techniques enhance your understanding	1	6	0	0	0	1	3	4.75	181/1409	4.75	4.11	4.08	4.09	4.75
Discussion														
1. Did class discussions contribute to what you learned	10	0	0	0	0	1	0	4.00	****/1366	****	3.96	4.18	4.22	****
2. Were all students actively encouraged to participate	10	0	0	0	0	0	1	5.00	****/1364	****	4.14	4.33	4.37	****
3. Did the instructor encourage fair and open discussion	10	0	0	0	1	0	0	3.00	****/1361	****	4.24	4.39	4.39	****
Laboratory														
1. Did the lab increase understanding of the material	10	0	0	0	0	0	1	5.00	****/185	****	4.22	4.23	4.16	****

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Student Course Evaluation Questionnaires

Course-Section: PHYS 324 01

Title: Modern Physics

Instructor: Kestner, Jason P

Term - Fall 2013

Enrollment: 16

Questionnaires: 11

				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	10	0	0	0	0	0	1	5.00	****/209	****	4.22	4.19	4.18	****
3. Were necessary materials available for lab activities	10	0	0	0	0	0	1	5.00	****/181	****	4.48	4.53	4.49	****
4. Did the lab instructor provide assistance	10	0	0	0	0	0	1	5.00	****/183	****	4.48	4.46	4.38	****
5. Were requirements for lab reports clearly specified	10	0	0	0	0	0	1	5.00	****/172	****	4.08	4.14	4.07	****

Credits E	arned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	4	Required for Majors	8	Graduate	0	Major	8
28-55	0	1.00-1.99	0	В	2						
56-83	2	2.00-2.99	1	С	3	General	0	Under-grad	11	Non-major	3
84-150	3	3.00-3.49	2	D	1						
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				
				?	1						

Course-Section: PHYS 330L 01

Title: Optics Laboratory

Instructor: Pittman, Todd B.

Term - Fall 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	0	0	1	11	4.92	157/1644	4.78	4.35	4.32	4.31	4.92
2. Did the instructor make clear the expected goals	0	0	0	0	0	2	10	4.83	203/1644	4.87	4.23	4.28	4.25	4.83
3. Did the exam questions reflect the expected goals	0	11	0	0	0	0	1	5.00	****/1419	****	4.34	4.35	4.31	****
4. Did other evaluations reflect the expected goals	0	0	0	0	0	1	11	4.92	101/1596	4.87	4.30	4.24	4.25	4.92
5. Did assigned readings contribute to what you learned	0	5	0	1	1	1	4	4.14	845/1535	4.40	4.01	4.15	4.14	4.14
6. Did written assignments contribute to what you learned	0	1	0	0	1	2	8	4.64	304/1510	4.72	4.25	4.13	4.16	4.64
7. Was the grading system clearly explained	0	0	0	0	0	3	9	4.75	224/1620	4.65	4.30	4.20	4.18	4.75
8. How many times was class cancelled	0	0	0	0	0	0	12	5.00	1/1642	5.00	4.91	4.68	4.65	5.00
9. How would you grade the overall teaching effectiveness	1	0	0	0	0	0	11	5.00	1/1596	4.94	4.09	4.12	4.09	5.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	1	11	4.92	223/1534	4.96	4.60	4.48	4.44	4.92
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	12	5.00	1/1539	5.00	4.83	4.76	4.74	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	1	11	4.92	145/1531	4.96	4.32	4.33	4.30	4.92
4. Did the lectures contribute to what you learned	0	0	0	0	0	2	10	4.83	309/1530	4.87	4.27	4.35	4.32	4.83
5. Did audiovisual techniques enhance your understanding	0	4	0	0	0	0	8	5.00	1/1409	5.00	4.11	4.08	4.09	5.00
Discussion														
1. Did class discussions contribute to what you learned	10	0	0	0	0	0	2	5.00	****/1366	****	3.96	4.18	4.22	****
2. Were all students actively encouraged to participate	10	0	0	0	0	0	2	5.00	****/1364	****	4.14	4.33	4.37	****
3. Did the instructor encourage fair and open discussion	10	0	0	0	0	0	2	5.00	****/1361	****	4.24	4.39	4.39	****
4. Were special techniques successful	10	1	0	0	0	0	1	5.00	****/1019	****	4.13	4.09	4.04	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 330L 01

Title: Optics Laboratory

Instructor: Pittman, Todd B.

Term - Fall 2013

Enrollment: 12

Questionnaires: 12

				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	2	1	0	0	0	1	8	4.89	25/185	4.94	4.22	4.23	4.16	4.89
2. Were you provided with adequate background information	2	0	0	0	0	1	9	4.90	23/209	4.85	4.22	4.19	4.18	4.90
3. Were necessary materials available for lab activities	2	0	0	0	0	0	10	5.00	1/181	4.90	4.48	4.53	4.49	5.00
4. Did the lab instructor provide assistance	2	0	0	0	0	0	10	5.00	1/183	5.00	4.48	4.46	4.38	5.00
5. Were requirements for lab reports clearly specified	2	0	0	0	2	2	6	4.40	66/172	4.55	4.08	4.14	4.07	4.40

Frequency Distribution

Credits E	arned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	6	Required for Majors	11	Graduate	0	Major	10
28-55	0	1.00-1.99	0	В	4						
56-83	1	2.00-2.99	0	С	1	General	0	Under-grad	12	Non-major	2
84-150	5	3.00-3.49	2	D	0						
Grad.	0	3.50-4.00	3	F	0	Electives	0	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	1						

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Course-Section: PHYS 330L 02

Title: Optics Laboratory

Instructor: Pittman, Todd B.

Term - Fall 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	1	0	1	9	4.64	523/1644	4.78	4.35	4.32	4.31	4.64
2. Did the instructor make clear the expected goals	0	0	0	0	0	1	10	4.91	143/1644	4.87	4.23	4.28	4.25	4.91
3. Did the exam questions reflect the expected goals	0	9	0	0	0	0	2	5.00	****/1419	****	4.34	4.35	4.31	****
4. Did other evaluations reflect the expected goals	0	0	0	0	0	2	9	4.82	197/1596	4.87	4.30	4.24	4.25	4.82
5. Did assigned readings contribute to what you learned	0	2	0	0	0	3	6	4.67	300/1535	4.40	4.01	4.15	4.14	4.67
6. Did written assignments contribute to what you learned	0	1	0	0	0	2	8	4.80	149/1510	4.72	4.25	4.13	4.16	4.80
7. Was the grading system clearly explained	0	0	0	0	1	3	7	4.55	475/1620	4.65	4.30	4.20	4.18	4.55
8. How many times was class cancelled	0	0	0	0	0	0	11	5.00	1/1642	5.00	4.91	4.68	4.65	5.00
9. How would you grade the overall teaching effectiveness	2	0	0	0	0	1	8	4.89	104/1596	4.94	4.09	4.12	4.09	4.89
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	11	5.00	1/1534	4.96	4.60	4.48	4.44	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	11	5.00	1/1539	5.00	4.83	4.76	4.74	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	0	11	5.00	1/1531	4.96	4.32	4.33	4.30	5.00
4. Did the lectures contribute to what you learned	0	0	0	0	0	1	10	4.91	202/1530	4.87	4.27	4.35	4.32	4.91
5. Did audiovisual techniques enhance your understanding	1	4	0	0	0	0	6	5.00	1/1409	5.00	4.11	4.08	4.09	5.00
Discussion														
1. Did class discussions contribute to what you learned	10	0	0	0	1	0	0	3.00	****/1366	****	3.96	4.18	4.22	****
2. Were all students actively encouraged to participate	10	0	0	0	0	0	1	5.00	****/1364	****	4.14	4.33	4.37	****
3. Did the instructor encourage fair and open discussion	10	0	0	0	0	0	1	5.00	****/1361	****	4.24	4.39	4.39	****
Laboratory														
1. Did the lab increase understanding of the material	1	3	0	0	0	0	7	5.00	1/185	4.94	4.22	4.23	4.16	5.00

Student Course Evaluation Questionnaires

Course-Section: PHYS 330L 02

Title: Optics Laboratory

Instructor: Pittman, Todd B.

Term - Fall 2013

Enrollment: 12
Questionnaires: 11

				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	1	0	0	0	1	0	9	4.80	34/209	4.85	4.22	4.19	4.18	4.80
3. Were necessary materials available for lab activities	1	0	0	0	1	0	9	4.80	41/181	4.90	4.48	4.53	4.49	4.80
4. Did the lab instructor provide assistance	1	0	0	0	0	0	10	5.00	1/183	5.00	4.48	4.46	4.38	5.00
5. Were requirements for lab reports clearly specified	1	0	0	0	1	1	8	4.70	30/172	4.55	4.08	4.14	4.07	4.70

Credits Earned		Cum. GPA		Expected Grades		Reasons	Туре		Majors		
00-27	0	0.00-0.99	1	Α	7	Required for Majors	11	Graduate	0	Major	9
28-55	0	1.00-1.99	0	В	4						
56-83	1	2.00-2.99	2	С	0	General	0	Under-grad	11	Non-major	2
84-150	5	3.00-3.49	1	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				
				?	0						

Course-Section: PHYS 407 01

Title: Electromagnetic Theory

Instructor: Worchesky, Terra

Term - Fall 2013

Enrollment: 32

			Frequencies			Instructor		Course	Org	UMBC	Level	Sect		
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	10	13	4.57	613/1644	4.57	4.35	4.32	4.47	4.57
2. Did the instructor make clear the expected goals	0	0	0	0	4	9	10	4.26	978/1644	4.26	4.23	4.28	4.35	4.26
3. Did the exam questions reflect the expected goals	1	0	0	0	2	7	13	4.50	632/1419	4.50	4.34	4.35	4.48	4.50
4. Did other evaluations reflect the expected goals	1	9	0	0	3	1	9	4.46	627/1596	4.46	4.30	4.24	4.34	4.46
5. Did assigned readings contribute to what you learned	1	2	1	2	2	7	8	3.95	1019/1535	3.95	4.01	4.15	4.26	3.95
6. Did written assignments contribute to what you learned	1	11	0	0	0	3	8	4.73	225/1510	4.73	4.25	4.13	4.29	4.73
7. Was the grading system clearly explained	1	0	0	1	5	6	10	4.14	1030/1620	4.14	4.30	4.20	4.25	4.14
8. How many times was class cancelled	1	0	0	0	0	0	22	5.00	1/1642	5.00	4.91	4.68	4.67	5.00
9. How would you grade the overall teaching effectiveness	3	1	0	0	1	10	8	4.37	565/1596	4.37	4.09	4.12	4.20	4.37
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	1	7	13	4.57	807/1534	4.57	4.60	4.48	4.54	4.57
2. Did the instructor seem interested in the subject	2	0	0	0	0	3	18	4.86	751/1539	4.86	4.83	4.76	4.81	4.86
3. Was lecture material presented and explained clearly	2	0	0	0	4	10	7	4.14	1086/1531	4.14	4.32	4.33	4.38	4.14
4. Did the lectures contribute to what you learned	2	0	0	4	1	7	9	4.00	1163/1530	4.00	4.27	4.35	4.41	4.00
5. Did audiovisual techniques enhance your understanding	3	14	0	0	1	2	3	4.33	551/1409	4.33	4.11	4.08	4.15	4.33
Discussion														
1. Did class discussions contribute to what you learned	22	0	0	0	0	1	0	4.00	****/1366	****	3.96	4.18	4.37	****
2. Were all students actively encouraged to participate	22	0	0	0	0	1	0	4.00	****/1364	****	4.14	4.33	4.52	****
3. Did the instructor encourage fair and open discussion	22	0	0	0	1	0	0	3.00	****/1361	****	4.24	4.39	4.59	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 407 01

Title: Electromagnetic Theory

Instructor: Worchesky, Terra

Term - Fall 2013

Enrollment: 32

Questionnaires: 23

				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	22	0	0	0	0	1	0	4.00	****/1019	****	4.13	4.09	4.32	****

Credits Earned		Cum. GPA		Expected Grades		Reasons	Туре		Majors		
00-27	0	0.00-0.99	0	Α	4	Required for Majors	22	Graduate	0	Major	23
28-55	0	1.00-1.99	0	В	9						
56-83	1	2.00-2.99	1	С	6	General	0	Under-grad	23	Non-major	0
84-150	9	3.00-3.49	4	D	1						
Grad.	0	3.50-4.00	10	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 425 01

Title: Relativistic Physics

Instructor: Georganopoulos,

Term - Fall 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	1	0	0	0	0	1	3	4.75	358/1644	4.75	4.35	4.32	4.47	4.75
2. Did the instructor make clear the expected goals	1	0	0	0	0	0	4	5.00	1/1644	5.00	4.23	4.28	4.35	5.00
3. Did the exam questions reflect the expected goals	1	0	0	0	0	2	2	4.50	632/1419	4.50	4.34	4.35	4.48	4.50
4. Did other evaluations reflect the expected goals	1	0	0	0	0	1	3	4.75	254/1596	4.75	4.30	4.24	4.34	4.75
5. Did assigned readings contribute to what you learned	1	1	0	0	0	1	2	4.67	300/1535	4.67	4.01	4.15	4.26	4.67
6. Did written assignments contribute to what you learned	1	1	0	0	1	0	2	4.33	629/1510	4.33	4.25	4.13	4.29	4.33
7. Was the grading system clearly explained	1	0	0	0	0	0	4	5.00	1/1620	5.00	4.30	4.20	4.25	5.00
8. How many times was class cancelled	1	0	0	0	0	0	4	5.00	1/1642	5.00	4.91	4.68	4.67	5.00
9. How would you grade the overall teaching effectiveness	1	1	0	0	0	2	1	4.33	603/1596	4.33	4.09	4.12	4.20	4.33
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	0	0	3	5.00	1/1534	5.00	4.60	4.48	4.54	5.00
2. Did the instructor seem interested in the subject	2	0	0	0	0	0	3	5.00	1/1539	5.00	4.83	4.76	4.81	5.00
3. Was lecture material presented and explained clearly	2	0	0	0	0	0	3	5.00	1/1531	5.00	4.32	4.33	4.38	5.00

Student Course Evaluation Questionnaires

Course-Section: PHYS 425 01
Title: Relativistic Physics

Instructor: Georganopoulos,

Term - Fall 2013

Enrollment: 5

Questionnaires: 5

				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
Lecture														
4. Did the lectures contribute to what you learned	2	0	0	0	0	0	3	5.00	1/1530	5.00	4.27	4.35	4.41	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	1	Graduate	0	Major	4
28-55	0	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	5	Non-major	1
84-150	3	3.00-3.49	0	D	0						
Grad.	0	3.50-4.00	3	F	0	Electives	2	**** - Means ther	e are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	2						

Course-Section: PHYS 431L 02

Title: Modern Physics Lab

Instructor: Martins, Jose V

Term - Fall 2013

Enrollment: 10

				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	626/1644	4.56	4.35	4.32	4.47	4.56
2. Did the instructor make clear the expected goals	0	0	0	1	1	4	3	4.00	1210/1644	4.00	4.23	4.28	4.35	4.00
3. Did the exam questions reflect the expected goals	0	6	0	0	2	0	1	3.67	1244/1419	3.67	4.34	4.35	4.48	3.67
4. Did other evaluations reflect the expected goals	0	0	0	0	0	6	3	4.33	816/1596	4.33	4.30	4.24	4.34	4.33
5. Did assigned readings contribute to what you learned	0	4	0	1	0	0	4	4.40	578/1535	4.40	4.01	4.15	4.26	4.40
6. Did written assignments contribute to what you learned	1	0	0	0	0	3	5	4.63	312/1510	4.63	4.25	4.13	4.29	4.63
7. Was the grading system clearly explained	0	0	2	2	4	0	1	2.56	1591/1620	2.56	4.30	4.20	4.25	2.56
8. How many times was class cancelled	0	0	0	0	0	3	6	4.67	1038/1642	4.67	4.91	4.68	4.67	4.67
9. How would you grade the overall teaching effectiveness	2	0	0	0	3	2	2	3.86	1171/1596	3.86	4.09	4.12	4.20	3.86
Lecture														
1. Were the instructor's lectures well prepared	6	0	0	0	0	1	2	4.67	675/1534	4.67	4.60	4.48	4.54	4.67
2. Did the instructor seem interested in the subject	6	0	0	0	0	0	3	5.00	1/1539	5.00	4.83	4.76	4.81	5.00
3. Was lecture material presented and explained clearly	6	0	0	0	0	3	0	4.00	1163/1531	4.00	4.32	4.33	4.38	4.00
4. Did the lectures contribute to what you learned	6	0	0	0	2	1	0	3.33	1430/1530	3.33	4.27	4.35	4.41	3.33
5. Did audiovisual techniques enhance your understanding	5	0	0	0	3	0	1	3.50	1168/1409	3.50	4.11	4.08	4.15	3.50
Laboratory														
1. Did the lab increase understanding of the material	0	2	0	0	0	0	7	5.00	1/185	5.00	4.22	4.23	4.60	5.00
2. Were you provided with adequate background information	0	0	0	0	2	4	3	4.11	139/209	4.11	4.22	4.19	4.27	4.11
3. Were necessary materials available for lab activities	0	0	0	0	1	5	3	4.22	151/181	4.22	4.48	4.53	4.31	4.22
4. Did the lab instructor provide assistance	0	0	0	0	1	2	6	4.56	84/183	4.56	4.48	4.46	4.63	4.56

Student Course Evaluation Questionnaires

Course-Section: PHYS 431L 02

Title: Modern Physics Lab

Instructor: Martins, Jose V

Term - Fall 2013

Enrollment: 10

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	0	0	0	0	4	4	1	3.67	138/172	3.67	4.08	4.14	4.02	3.67

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

Course-Section: PHYS 480 01

Title: Tech In Theoretical Phys

Instructor: Georganopoulos,

Term - Fall 2013

Enrollment: 9

								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	1	7	4.88	208/1644	4.88	4.35	4.32	4.47	4.88
2. Did the instructor make clear the expected goals	1	0	1	0	0	1	5	4.29	958/1644	4.29	4.23	4.28	4.35	4.29
3. Did the exam questions reflect the expected goals	0	0	1	0	0	3	4	4.13	1040/1419	4.13	4.34	4.35	4.48	4.13
4. Did other evaluations reflect the expected goals	0	2	0	0	0	1	5	4.83	178/1596	4.83	4.30	4.24	4.34	4.83
5. Did assigned readings contribute to what you learned	0	1	0	0	0	2	5	4.71	253/1535	4.71	4.01	4.15	4.26	4.71
6. Did written assignments contribute to what you learned	0	1	0	0	1	1	5	4.57	359/1510	4.57	4.25	4.13	4.29	4.57
7. Was the grading system clearly explained	0	0	0	0	0	1	7	4.88	109/1620	4.88	4.30	4.20	4.25	4.88
8. How many times was class cancelled	0	0	0	0	0	0	8	5.00	1/1642	5.00	4.91	4.68	4.67	5.00
9. How would you grade the overall teaching effectiveness	2	0	0	1	0	1	4	4.33	603/1596	4.33	4.09	4.12	4.20	4.33
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	8	5.00	1/1534	5.00	4.60	4.48	4.54	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	1	7	4.88	694/1539	4.88	4.83	4.76	4.81	4.88
3. Was lecture material presented and explained clearly	0	0	0	0	0	1	7	4.88	195/1531	4.88	4.32	4.33	4.38	4.88
4. Did the lectures contribute to what you learned	0	0	0	0	0	1	7	4.88	248/1530	4.88	4.27	4.35	4.41	4.88

Student Course Evaluation Questionnaires

Course-Section: PHYS 480 01

Title: Tech In Theoretical Phys

Instructor: Georganopoulos,

Term - Fall 2013

Enrollment: 9
Questionnaires: 8

				Fre	quen	cies		In	structor	Course	Org	UMBC	Level	Sect
Questions	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean	
Lecture														
5. Did audiovisual techniques enhance your understanding	0	2	0	0	1	0	5	4.67	245/1409	4.67	4.11	4.08	4.15	4.67

Credits Ea	rned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	0	0.00-0.99	0	Α	4	Required for Majors	4	Graduate	2	Major	7
28-55	0	1.00-1.99	0	В	2						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	6	Non-major	1
84-150	0	3.00-3.49	0	D	0						
Grad.	2	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				
				?	2						

Course-Section: PHYS 601 01

Title: Quantum Mechanics

Instructor: Franson, James D

Term - Fall 2013

Enrollment: 14

				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	3	2	7	4.00	1218/1644	4.00	4.35	4.32	4.42	4.00
2. Did the instructor make clear the expected goals	0	0	0	2	2	3	7	4.07	1168/1644	4.07	4.23	4.28	4.32	4.07
3. Did the exam questions reflect the expected goals	0	0	0	0	2	5	7	4.36	837/1419	4.36	4.34	4.35	4.45	4.36
4. Did other evaluations reflect the expected goals	0	3	0	1	1	3	6	4.27	890/1596	4.27	4.30	4.24	4.32	4.27
5. Did assigned readings contribute to what you learned	0	1	1	0	3	2	7	4.08	912/1535	4.08	4.01	4.15	4.25	4.08
6. Did written assignments contribute to what you learned	0	1	0	1	0	5	7	4.38	564/1510	4.38	4.25	4.13	4.24	4.38
7. Was the grading system clearly explained	1	0	0	2	2	3	6	4.00	1134/1620	4.00	4.30	4.20	4.29	4.00
8. How many times was class cancelled	0	0	0	0	0	2	12	4.86	736/1642	4.86	4.91	4.68	4.82	4.86
9. How would you grade the overall teaching effectiveness	1	0	0	0	2	6	5	4.23	730/1596	4.23	4.09	4.12	4.20	4.23
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	1	13	4.93	198/1534	4.93	4.60	4.48	4.52	4.93
2. Did the instructor seem interested in the subject	0	0	0	0	0	2	12	4.86	751/1539	4.86	4.83	4.76	4.79	4.86
3. Was lecture material presented and explained clearly	0	0	0	0	2	3	9	4.50	724/1531	4.50	4.32	4.33	4.34	4.50
4. Did the lectures contribute to what you learned	0	0	0	0	5	0	9	4.29	980/1530	4.29	4.27	4.35	4.38	4.29
5. Did audiovisual techniques enhance your understanding	0	2	2	1	1	4	4	3.58	1134/1409	3.58	4.11	4.08	4.04	3.58
Discussion										_				
1. Did class discussions contribute to what you learned	10	0	0	1	0	0	3	4.25	721/1366	4.25	3.96	4.18	4.26	4.25
2. Were all students actively encouraged to participate	10	0	0	1	0	0	3	4.25	877/1364	4.25	4.14	4.33	4.46	4.25
3. Did the instructor encourage fair and open discussion	10	0	0	0	1	1	2	4.25	929/1361	4.25	4.24	4.39	4.49	4.25

Student Course Evaluation Questionnaires

Course-Section: PHYS 601 01 Title: Quantum Mechanics Instructor: Franson, James D

Term - Fall 2013

Enrollment: 14 Questionnaires: 14

				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	10	1	1	0	0	0	2	3.67	****/1019	****	4.13	4.09	4.12	****

Credits E	arned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	Α	11	Required for Majors	8	Graduate	3	Major	12
28-55	0	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	0	С	0	General	0	Under-grad	11	Non-major	2
84-150	2	3.00-3.49	2	D	0						
Grad.	3	3.50-4.00	4	F	0	Electives	3	**** - Means the	re are not e	nough responses	
				Р	0			to be significant			
				I	0	Other	0				
				?	1						

Course-Section: PHYS 602 01

Title: Statistical Mechanics

Instructor: McCann, Kevin J

Term - Fall 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	1	3	1	4.00	1218/1644	4.00	4.35	4.32	4.42	4.00
2. Did the instructor make clear the expected goals	0	0	0	1	2	1	1	3.40	1529/1644	3.40	4.23	4.28	4.32	3.40
3. Did the exam questions reflect the expected goals	0	0	0	1	1	1	2	3.80	1197/1419	3.80	4.34	4.35	4.45	3.80
4. Did other evaluations reflect the expected goals	0	1	0	0	1	2	1	4.00	1129/1596	4.00	4.30	4.24	4.32	4.00
5. Did assigned readings contribute to what you learned	0	1	0	0	3	1	0	3.25	1420/1535	3.25	4.01	4.15	4.25	3.25
6. Did written assignments contribute to what you learned	0	0	0	0	2	3	0	3.60	1215/1510	3.60	4.25	4.13	4.24	3.60
7. Was the grading system clearly explained	0	0	0	0	2	2	1	3.80	1306/1620	3.80	4.30	4.20	4.29	3.80
8. How many times was class cancelled	0	0	0	0	0	0	5	5.00	1/1642	5.00	4.91	4.68	4.82	5.00
9. How would you grade the overall teaching effectiveness	1	0	0	0	1	2	1	4.00	971/1596	4.00	4.09	4.12	4.20	4.00
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	2	2	1	3.80	1389/1534	3.80	4.60	4.48	4.52	3.80
2. Did the instructor seem interested in the subject	0	0	0	0	0	1	4	4.80	894/1539	4.80	4.83	4.76	4.79	4.80
3. Was lecture material presented and explained clearly	0	0	0	0	0	5	0	4.00	1163/1531	4.00	4.32	4.33	4.34	4.00
4. Did the lectures contribute to what you learned	0	0	0	0	0	4	1	4.20	1044/1530	4.20	4.27	4.35	4.38	4.20

Student Course Evaluation Questionnaires

Course-Section: PHYS 602 01

Title: Statistical Mechanics

Instructor: McCann, Kevin J

Term - Fall 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
Lecture														
5. Did audiovisual techniques enhance your understanding	0	1	0	0	1	1	2	4.25	627/1409	4.25	4.11	4.08	4.04	4.25

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

Course-Section: PHYS 606 01

Title: Classical Mechanics

Instructor: Kramer, Ivan

Term - Fall 2013

Enrollment: 8

							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	1	5	4.83	254/1644	4.83	4.35	4.32	4.42	4.83
2. Did the instructor make clear the expected goals	0	0	0	0	0	2	4	4.67	428/1644	4.67	4.23	4.28	4.32	4.67
3. Did the exam questions reflect the expected goals	0	0	0	0	0	0	6	5.00	1/1419	5.00	4.34	4.35	4.45	5.00
4. Did other evaluations reflect the expected goals	0	2	0	0	0	1	3	4.75	254/1596	4.75	4.30	4.24	4.32	4.75
5. Did assigned readings contribute to what you learned	0	1	0	0	1	1	3	4.40	578/1535	4.40	4.01	4.15	4.25	4.40
6. Did written assignments contribute to what you learned	1	0	0	0	0	1	4	4.80	149/1510	4.80	4.25	4.13	4.24	4.80
7. Was the grading system clearly explained	0	0	1	1	1	1	2	3.33	1489/1620	3.33	4.30	4.20	4.29	3.33
8. How many times was class cancelled	0	0	0	0	0	0	6	5.00	1/1642	5.00	4.91	4.68	4.82	5.00
9. How would you grade the overall teaching effectiveness	0	0	0	0	2	1	3	4.17	822/1596	4.17	4.09	4.12	4.20	4.17
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	1	2	2	4.20	1194/1534	4.20	4.60	4.48	4.52	4.20
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	6	5.00	1/1539	5.00	4.83	4.76	4.79	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	2	1	3	4.17	1069/1531	4.17	4.32	4.33	4.34	4.17
4. Did the lectures contribute to what you learned	0	0	0	0	3	0	3	4.00	1163/1530	4.00	4.27	4.35	4.38	4.00

Student Course Evaluation Questionnaires

Course-Section: PHYS 606 01

Title: Classical Mechanics

Instructor: Kramer, Ivan

Term - Fall 2013

Enrollment: 8

Questionnaires: 6

				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
Lecture														
5. Did audiovisual techniques enhance your understanding	1	2	0	1	0	0	2	4.00	825/1409	4.00	4.11	4.08	4.04	4.00

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

Course-Section: PHYS 609 01

Title: Modern Optics

Instructor: Shih, Yan-hua

Term - Fall 2013

Enrollment: 4

	Questions NR NA 1 2 3 4 General you gain new insights, skills from this course 0 0 0 0 1 1										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	1	1	2	4.25	975/1644	4.25	4.35	4.32	4.42	4.25
2. Did the instructor make clear the expected goals	0	0	0	0	0	1	3	4.75	302/1644	4.75	4.23	4.28	4.32	4.75
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	3	4.75	337/1419	4.75	4.34	4.35	4.45	4.75
4. Did other evaluations reflect the expected goals	0	0	0	0	1	1	2	4.25	911/1596	4.25	4.30	4.24	4.32	4.25
5. Did assigned readings contribute to what you learned	0	0	0	0	1	1	2	4.25	737/1535	4.25	4.01	4.15	4.25	4.25
6. Did written assignments contribute to what you learned	0	0	0	0	0	2	2	4.50	429/1510	4.50	4.25	4.13	4.24	4.50
7. Was the grading system clearly explained	0	0	0	0	0	1	3	4.75	224/1620	4.75	4.30	4.20	4.29	4.75
8. How many times was class cancelled	0	0	0	0	0	0	4	5.00	1/1642	5.00	4.91	4.68	4.82	5.00
9. How would you grade the overall teaching effectiveness	0	0	0	0	1	3	0	3.75	1240/1596	3.75	4.09	4.12	4.20	3.75
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	2	2	4.50	891/1534	4.50	4.60	4.48	4.52	4.50
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	4	5.00	1/1539	5.00	4.83	4.76	4.79	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	2	2	4.50	724/1531	4.50	4.32	4.33	4.34	4.50
4. Did the lectures contribute to what you learned	0	0	0	0	0	2	2	4.50	755/1530	4.50	4.27	4.35	4.38	4.50
5. Did audiovisual techniques enhance your understanding	0	3	0	1	0	0	0	2.00	1398/1409	2.00	4.11	4.08	4.04	2.00
Discussion														
1. Did class discussions contribute to what you learned	1	0	0	0	1	0	2	4.33	660/1366	4.33	3.96	4.18	4.26	4.33
2. Were all students actively encouraged to participate	1	0	0	0	0	0	3	5.00	1/1364	5.00	4.14	4.33	4.46	5.00
3. Did the instructor encourage fair and open discussion	1	0	0	0	0	0	3	5.00	1/1361	5.00	4.24	4.39	4.49	5.00

Student Course Evaluation Questionnaires

Course-Section: PHYS 609 01

Title: Modern Optics

Instructor: Shih,Yan-hua

Term - Fall 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														
4. Were special techniques successful	1	0	0	0	1	1	1	4.00	559/1019	4.00	4.13	4.09	4.12	4.00

Credits Ea	arned	Cum. GPA	4	Expected	Grades	Reasons		Туре		Majors	
00-27	1	0.00-0.99	0	Α	1	Required for Majors	2	Graduate	2	Major	1
28-55	0	1.00-1.99	0	В	1						
56-83	0	2.00-2.99	0	С	0	General	1	Under-grad	2	Non-major	3
84-150	0	3.00-3.49	1	D	0						
Grad.	2	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 614 01

Title: Intro Surface Phys

Instructor: Gougousi,Theodo

Term - Fall 2013

Enrollment: 7

		NR NA 1 2 3 4 5 Mean 1 0 0 0 0 3 3 4.50 6 1 0 0 0 1 1 4 4.50 6 1 4 0 0 0 1 1 4.50 6 1 0 0 0 0 2 4 4.67 3 1 1 0 1 1 0 3 4.00 9 1 0 0 0 1 1 4 4.50 4					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	0	3	3	4.50	688/1644	4.50	4.35	4.32	4.42	4.50
2. Did the instructor make clear the expected goals	1	0	0	0	1	1	4	4.50	633/1644	4.50	4.23	4.28	4.32	4.50
3. Did the exam questions reflect the expected goals	1	4	0	0	0	1	1	4.50	632/1419	4.50	4.34	4.35	4.45	4.50
4. Did other evaluations reflect the expected goals	1	0	0	0	0	2	4	4.67	356/1596	4.67	4.30	4.24	4.32	4.67
5. Did assigned readings contribute to what you learned	1	1	0	1	1	0	3	4.00	970/1535	4.00	4.01	4.15	4.25	4.00
6. Did written assignments contribute to what you learned	1	0	0	0	1	1	4	4.50	429/1510	4.50	4.25	4.13	4.24	4.50
7. Was the grading system clearly explained	1	0	0	0	0	2	4	4.67	331/1620	4.67	4.30	4.20	4.29	4.67
8. How many times was class cancelled	1	0	0	0	0	1	5	4.83	777/1642	4.83	4.91	4.68	4.82	4.83
9. How would you grade the overall teaching effectiveness	2	0	0	0	1	3	1	4.00	971/1596	4.00	4.09	4.12	4.20	4.00
Lecture														
1. Were the instructor's lectures well prepared	1	0	0	0	0	1	5	4.83	381/1534	4.83	4.60	4.48	4.52	4.83
2. Did the instructor seem interested in the subject	1	0	0	0	0	1	5	4.83	808/1539	4.83	4.83	4.76	4.79	4.83
3. Was lecture material presented and explained clearly	1	0	0	0	0	1	5	4.83	241/1531	4.83	4.32	4.33	4.34	4.83
4. Did the lectures contribute to what you learned	1	0	0	0	1	0	5	4.67	569/1530	4.67	4.27	4.35	4.38	4.67
5. Did audiovisual techniques enhance your understanding	1	0	0	0	1	1	4	4.50	381/1409	4.50	4.11	4.08	4.04	4.50
Discussion														
1. Did class discussions contribute to what you learned	6	0	0	0	1	0	0	3.00	****/1366	****	3.96	4.18	4.26	****
2. Were all students actively encouraged to participate	6	0	0	0	0	1	0	4.00	****/1364	****	4.14	4.33	4.46	****

Student Course Evaluation Questionnaires

Course-Section: PHYS 614 01

Title: Intro Surface Phys

Instructor: Gougousi,Theodo

Term - Fall 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	****/1361	****	4.24	4.39	4.49	****

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	5	Major	2
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	5
84-150	0	3.00-3.49	0	D	0						
Grad.	5	3.50-4.00	2	F	0	Electives	6	**** - 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 - Fall 2013

Enrollment: 3

			Frequencies					Instructor		Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	0	0	0	3	5.00	1/1644	5.00	4.35	4.32	4.42	5.00
2. Did the instructor make clear the expected goals	0	0	0	0	0	1	2	4.67	428/1644	4.67	4.23	4.28	4.32	4.67
3. Did the exam questions reflect the expected goals	0	0	0	0	0	0	3	5.00	1/1419	5.00	4.34	4.35	4.45	5.00
4. Did other evaluations reflect the expected goals	0	0	0	0	0	1	2	4.67	356/1596	4.67	4.30	4.24	4.32	4.67
5. Did assigned readings contribute to what you learned	0	0	0	0	0	2	1	4.33	658/1535	4.33	4.01	4.15	4.25	4.33
6. Did written assignments contribute to what you learned	0	1	0	0	0	1	1	4.50	429/1510	4.50	4.25	4.13	4.24	4.50
7. Was the grading system clearly explained	0	0	0	0	1	1	1	4.00	1134/1620	4.00	4.30	4.20	4.29	4.00
8. How many times was class cancelled	0	0	0	0	0	1	2	4.67	1038/1642	4.67	4.91	4.68	4.82	4.67
9. How would you grade the overall teaching effectiveness	1	0	0	0	0	1	1	4.50	382/1596	4.50	4.09	4.12	4.20	4.50
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	0	0	3	5.00	1/1534	5.00	4.60	4.48	4.52	5.00
2. Did the instructor seem interested in the subject	0	0	0	0	0	0	3	5.00	1/1539	5.00	4.83	4.76	4.79	5.00
3. Was lecture material presented and explained clearly	0	0	0	0	0	1	2	4.67	478/1531	4.67	4.32	4.33	4.34	4.67
4. Did the lectures contribute to what you learned	0	0	0	0	0	0	3	5.00	1/1530	5.00	4.27	4.35	4.38	5.00

Student Course Evaluation Questionnaires

Course-Section: PHYS 621 01

Title: Atmos Physics I

Instructor: Zhang,Zhibo

Term - Fall 2013

Enrollment: 3

Questionnaires: 3

	Frequencies					Instructor		Course	Org	UMBC	Level	Sect		
Questions	NR	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	3	5.00	1/1409	5.00	4.11	4.08	4.04	5.00

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

Student Course Evaluation Questionnaires

Course-Section: PHYS 707 01

Title: Adv Electromagnetic Thry

Instructor: Kramer, Ivan

Term - Fall 2013

Enrollment: 3

Questionnaires: 3

			Frequencies					Instructor		Course	Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights, skills from this course	0	0	0	1	2	0	0	2.67	1632/1644	2.67	4.35	4.32	4.42	2.67
2. Did the instructor make clear the expected goals	0	0	0	0	2	1	0	3.33	1539/1644	3.33	4.23	4.28	4.32	3.33
3. Did the exam questions reflect the expected goals	0	0	0	0	0	1	2	4.67	462/1419	4.67	4.34	4.35	4.45	4.67
5. Did assigned readings contribute to what you learned	0	0	0	0	2	1	0	3.33	1396/1535	3.33	4.01	4.15	4.25	3.33
6. Did written assignments contribute to what you learned	0	2	0	0	0	1	0	4.00	921/1510	4.00	4.25	4.13	4.24	4.00
7. Was the grading system clearly explained	0	0	0	0	1	0	2	4.33	779/1620	4.33	4.30	4.20	4.29	4.33
8. How many times was class cancelled	0	0	0	0	0	0	3	5.00	1/1642	5.00	4.91	4.68	4.82	5.00
9. How would you grade the overall teaching effectiveness	0	0	0	0	1	2	0	3.67	1302/1596	3.67	4.09	4.12	4.20	3.67
Lecture														
1. Were the instructor's lectures well prepared	0	0	0	0	1	0	2	4.33	1090/1534	4.33	4.60	4.48	4.52	4.33
2. Did the instructor seem interested in the subject	0	0	0	1	0	0	2	4.00	1484/1539	4.00	4.83	4.76	4.79	4.00
3. Was lecture material presented and explained clearly	0	0	0	1	0	1	1	3.67	1348/1531	3.67	4.32	4.33	4.34	3.67

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Student Course Evaluation Questionnaires

Course-Section: PHYS 707 01

Title: Adv Electromagnetic Thry

Instructor: Kramer, Ivan

Term - Fall 2013

Enrollment: 3

Questionnaires: 3

					Frequencies				Instructor		Org	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
Lecture														
4. Did the lectures contribute to what you learned	0	0	0	1	1	1	0	3.00	1469/1530	3.00	4.27	4.35	4.38	3.00

Credits Ea	arned	Cum. GP/	4	Expected	Grades	Reasons		Туре		Majors		
00-27	0	0.00-0.99	0	Α	0	Required for Majors	2	Graduate	3	Major	2	
28-55	0	1.00-1.99	0	В	2							
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	1	D	0							
Grad.	3	3.50-4.00	0	F	0	Electives	0	**** - Means ther	e are not e	nough responses		
				Р	0			to be significant				
				I	0	Other	0					
				?	0							