Enrollment: 176
Questionnaires: 43   Student Course Evaluation Questionnaire

		Frequencies						Instructor		Course	Dept	UMBC	Level	Sect
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean

General

	NR	NA	1	2	3	4	5	Mean	Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
1. Did you gain new insights,skills from this course	1	0	0	1	2	15	24	4.48	626/1447	4.48	4.64	4.31	4.18	4.48
2. Did the instructor make clear the expected goals	1	0	0	0	5	10	27	4.52	510/1447	4.52	4.47	4.27	4.30	4.52
3. Did the exam questions reflect the expected goals	2	0	0	2	2	7	30	4.59	469/1241	4.59	4.50	4.33	4.25	4.59
4. Did other evaluations reflect the expected goals	1	15	2	0	3	6	16	4.26	766/1402	4.26	4.39	4.24	4.15	4.26
5. Did assigned readings contribute to what you learned	1	6	0	2	3	7	24	4.47	377/1358	4.47	4.38	4.11	4.03	4.47
6. Did written assignments contribute to what you learned	1	21	1	0	3	6	11	4.24	635/1316	4.24	4.47	4.14	3.99	4.24
7. Was the grading system clearly explained	1	0	0	1	6	5	30	4.52	434/1427	4.52	4.42	4.19	4.24	4.52
8. How many times was class cancelled	3	0	0	0	1	4	35	4.85	619/1447	4.85	4.85	4.69	4.68	4.85
9. How would you grade the overall teaching effectiveness	7	1	0	1	1	19	14	4.31	565/1434	4.31	4.30	4.10	4.10	4.31

Lecture

	NR	NA	1	2	3	4	5	Mean	Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
1. Were the instructor's lectures well prepared	1	0	0	1	1	6	34	4.74	460/1387	4.74	4.64	4.46	4.46	4.74
2. Did the instructor seem interested in the subject	1	0	0	0	1	3	38	4.88	579/1387	4.88	4.87	4.73	4.71	4.88
3. Was lecture material presented and explained clearly	1	0	0	1	4	12	25	4.45	677/1386	4.45	4.38	4.32	4.32	4.45
4. Did the lectures contribute to what you learned	1	0	0	2	0	7	33	4.69	420/1380	4.69	4.46	4.32	4.31	4.69
5. Did audiovisual techniques enhance your understanding	1	1	1	0	4	12	24	4.41	367/1193	4.41	4.32	4.02	3.99	4.41

Discussion

	NR	NA	1	2	3	4	5	Mean	Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
1. Did class discussions contribute to what you learned	34	0	2	1	2	1	3	3.22	****/1172	****	4.47	4.15	3.95	****
2. Were all students actively encouraged to participate	34	0	0	1	2	2	4	4.00	****/1182	****	4.55	4.35	4.18	****
3. Did the instructor encourage fair and open discussion	34	0	1	2	1	1	4	3.56	****/1170	****	4.50	4.38	4.17	****
4. Were special techniques successful	35	4	2	0	0	1	1	2.75	****/ 800	****	4.52	4.06	3.95	****

Laboratory

	NR	NA	1	2	3	4	5	Mean	Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
1. Did the lab increase understanding of the material	14	0	3	4	5	10	7	3.48	174/ 189	3.48	4.21	4.34	4.18	3.48
2. Were you provided with adequate background information	14	0	0	1	5	8	15	4.28	130/ 192	4.28	4.35	4.34	4.31	4.28
3. Were necessary materials available for lab activities	14	0	0	0	4	12	13	4.31	145/ 186	4.31	4.38	4.48	4.46	4.31
4. Did the lab instructor provide assistance	14	1	0	1	3	11	13	4.29	119/ 187	4.29	4.46	4.33	4.37	4.29
5. Were requirements for lab reports clearly specified	14	8	0	0	3	4	14	4.52	45/ 168	4.52	4.18	4.20	4.29	4.52

Seminar

	NR	NA	1	2	3	4	5	Mean	Rank	Course Mean	Dept Mean	UMBC Mean	Level Mean	Sect Mean
1. Were assigned topics relevant to the announced theme	42	0	0	0	1	0	0	3.00	****/ 66	****	4.78	4.58	3.95	****

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	4	0.00-0.99	0	A	15	Required for Majors	25	Graduate	0	Major	0
28-55	5	1.00-1.99	0	B	10						
56-83	3	2.00-2.99	1	C	5	General	4	Under-grad	43	Non-major	43
84-150	9	3.00-3.49	6	D	1						
Grad.	0	3.50-4.00	12	F	0	Electives	2	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	1				
				?	0						

| | | Frequencies | | | | | | Instructor | | Course | Dept | UMBC | Level | Sect |
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	1	0	0	0	3	9	24	4.58	496/1447	4.58	4.64	4.31	4.18	4.58
2. Did the instructor make clear the expected goals	1	0	0	0	0	9	27	4.75	249/1447	4.75	4.47	4.27	4.30	4.75
3. Did the exam questions reflect the expected goals	1	0	0	1	1	12	22	4.53	523/1241	4.53	4.50	4.33	4.25	4.53
4. Did other evaluations reflect the expected goals	1	15	0	1	2	8	10	4.29	735/1402	4.29	4.39	4.24	4.15	4.29
5. Did assigned readings contribute to what you learned	1	0	1	3	5	11	16	4.06	772/1358	4.06	4.38	4.11	4.03	4.06
6. Did written assignments contribute to what you learned	2	19	4	0	1	5	6	3.56	1106/1316	3.56	4.47	4.14	3.99	3.56
7. Was the grading system clearly explained	1	0	1	0	4	3	28	4.58	361/1427	4.58	4.42	4.19	4.24	4.58
8. How many times was class cancelled	2	0	0	0	1	0	34	4.94	291/1447	4.94	4.85	4.69	4.68	4.94
9. How would you grade the overall teaching effectiveness	5	0	0	0	2	14	16	4.44	420/1434	4.44	4.30	4.10	4.10	4.44
Lecture														
1. Were the instructor's lectures well prepared	4	0	0	0	0	7	26	4.79	383/1387	4.79	4.64	4.46	4.46	4.79
2. Did the instructor seem interested in the subject	4	0	0	0	0	5	28	4.85	681/1387	4.85	4.87	4.73	4.71	4.85
3. Was lecture material presented and explained clearly	4	0	0	0	1	9	23	4.67	431/1386	4.67	4.38	4.32	4.32	4.67
4. Did the lectures contribute to what you learned	4	0	0	0	2	5	26	4.73	379/1380	4.73	4.46	4.32	4.31	4.73
5. Did audiovisual techniques enhance your understanding	4	0	1	0	1	10	21	4.52	281/1193	4.52	4.32	4.02	3.99	4.52
Discussion														
1. Did class discussions contribute to what you learned	29	0	1	0	4	1	2	3.38	****/1172	****	4.47	4.15	3.95	****
2. Were all students actively encouraged to participate	29	0	0	1	1	3	3	4.00	****/1182	****	4.55	4.35	4.18	****
3. Did the instructor encourage fair and open discussion	29	0	1	0	0	3	4	4.13	****/1170	****	4.50	4.38	4.17	****
4. Were special techniques successful	29	5	0	1	1	0	1	3.33	****/ 800	****	4.52	4.06	3.95	****
Laboratory														
1. Did the lab increase understanding of the material	21	0	2	2	3	7	2	3.31	180/ 189	3.31	4.21	4.34	4.18	3.31
2. Were you provided with adequate background information	21	0	1	1	1	6	7	4.06	144/ 192	4.06	4.35	4.34	4.31	4.06
3. Were necessary materials available for lab activities	21	0	2	1	0	5	8	4.00	160/ 186	4.00	4.38	4.48	4.46	4.00
4. Did the lab instructor provide assistance	21	0	3	0	0	5	8	3.94	152/ 187	3.94	4.46	4.33	4.37	3.94
5. Were requirements for lab reports clearly specified	22	3	0	2	0	3	7	4.25	84/ 168	4.25	4.18	4.20	4.29	4.25

Frequency Distribution

Credits Earned		Cum. GPA		Expected Grades		Reasons		Type		Majors	
00-27	2	0.00-0.99	0	A	14	Required for Majors	26	Graduate	0	Major	0
28-55	3	1.00-1.99	0	B	11						
56-83	3	2.00-2.99	1	C	3	General	1	Under-grad	37	Non-major	37
84-150	10	3.00-3.49	5	D	0						
Grad.	0	3.50-4.00	8	F	0	Electives	0	#### - Means there are not enough			
				P	0			responses to be significant			
				I	0	Other	0				
				?	3						

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Course-Section: PHYS 121  01               University of Maryland                          Page 1117
Title       Introductory Physics I          Baltimore County                              JUN 28, 2010
Instructor:  Cui,Lili                        Spring 2010                                  Job IRBR3029
Enrollment:   272
Questionnaires: 106                  Student Course Evaluation Questionnaire

                                          Frequencies        Instructor   Course Dept  UMBC Level  Sect
             Questions                NR  NA  1   2   3   4   5  Mean     Rank      Mean Mean  Mean Mean  Mean
---------------------------------------------------------------------------------------------------------------
             General
1. Did you gain new insights,skills from this course    2   0   3   4  12  34  51  4.21  909/1447  4.21  4.64  4.31  4.18  4.21
2. Did the instructor make clear the expected goals     2   0   3   6   7  30  58  4.29  824/1447  4.29  4.47  4.27  4.30  4.29
3. Did the exam questions reflect the expected goals    2   0   2   4   8  35  55  4.32  734/1241  4.32  4.50  4.33  4.25  4.32
4. Did other evaluations reflect the expected goals     2  47   1   2  14  21  19  3.96 1016/1402  3.96  4.39  4.24  4.15  3.96
5. Did assigned readings contribute to what you learned 3  22   5   4  15  21  36  3.98  834/1358  3.98  4.38  4.11  4.03  3.98
6. Did written assignments contribute to what you learned 3 63   1   4   7   8  20  4.05  785/1316  4.05  4.47  4.14  3.99  4.05
7. Was the grading system clearly explained             2   0   5   2   7  25  65  4.38  632/1427  4.38  4.42  4.19  4.24  4.38
8. How many times was class cancelled                   2   0   0   1   1   2 100  4.93  339/1447  4.93  4.85  4.69  4.68  4.93
9. How would you grade the overall teaching effectiveness 10 1   3   9  32  40  11  3.49 1241/1434  3.49  4.30  4.10  4.10  3.49

             Lecture
1. Were the instructor's lectures well prepared        62   0   1   0   5   8  30  4.50  798/1387  4.50  4.64  4.46  4.46  4.50
2. Did the instructor seem interested in the subject   64   0   0   0   1  10  31  4.71  919/1387  4.71  4.87  4.73  4.71  4.71
3. Was lecture material presented and explained clearly 63  0   4   4   7  15  13  3.67 1217/1386  3.67  4.38  4.32  4.32  3.67
4. Did the lectures contribute to what you learned     63   0   5   5   6   7  20  3.74 1172/1380  3.74  4.46  4.32  4.31  3.74
5. Did audiovisual techniques enhance your understanding 62 2   5   3   6   8  20  3.83  796/1193  3.83  4.32  4.02  3.99  3.83

             Discussion
1. Did class discussions contribute to what you learned 78  0   0   3   1   3  21  4.50  377/1172  4.50  4.47  4.15  3.95  4.50
2. Were all students actively encouraged to participate 78  0   2   1   5   2  18  4.18  781/1182  4.18  4.55  4.35  4.18  4.18
3. Did the instructor encourage fair and open discussion 79 0   1   1   7   4  14  4.07  854/1170  4.07  4.50  4.38  4.17  4.07
4. Were special techniques successful                  79   6   1   2   2   3  13  4.19 ****/ 800  ****  4.52  4.06  3.95  ****

             Laboratory
1. Did the lab increase understanding of the material  105  0   1   0   0   0   0  1.00 ****/ 189  ****  4.21  4.34  4.18  ****
2. Were you provided with adequate background information 105 0  0   1   0   0   0  2.00 ****/ 192  ****  4.35  4.34  4.31  ****
3. Were necessary materials available for lab activities 105 0   0   1   0   0   0  2.00 ****/ 186  ****  4.38  4.48  4.46  ****
4. Did the lab instructor provide assistance           105  0   0   0   1   0   0  3.00 ****/ 187  ****  4.46  4.33  4.37  ****
5. Were requirements for lab reports clearly specified 105  0   0   0   0   0   1  5.00 ****/ 168  ****  4.18  4.20  4.29  ****

                                     Frequency Distribution

Credits Earned        Cum. GPA        Expected Grades        Reasons              Type                Majors
---------------------------------------------------------------------------------------------------------------
 00-27     15      0.00-0.99    1     A   35      Required for Majors  73   Graduate     0    Major          3
 28-55     21      1.00-1.99    0     B   35
 56-83      7      2.00-2.99    4     C    7      General               3   Under-grad  106   Non-major    103
 84-150     2      3.00-3.49   16     D    1
 Grad.      0      3.50-4.00   31     F    0      Electives             0   #### - Means there are not enough
                                      P    0                                responses to be significant
                                      I    0      Other                 2
                                      ?    3
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Course-Section: PHYS 122  01                University of Maryland                              Page 1118
Title      Introductory Physics I           Baltimore County                                   JUN 28, 2010
Instructor:   Cui,Lili                      Spring 2010                                         Job IRBR3029
Enrollment:   225
Questionnaires: 125                     Student Course Evaluation Questionnaire
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                                                  Frequencies       Instructor   Course Dept  UMBC Level  Sect
            Questions                     NR  NA  1   2   3   4   5  Mean    Rank  Mean  Mean  Mean Mean  Mean
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            General
1. Did you gain new insights,skills from this course   5   0   1   0  11  41  67  4.44  667/1447  4.50  4.64  4.31  4.18  4.44
2. Did the instructor make clear the expected goals    5   0   3   2  15  40  60  4.27  843/1447  4.37  4.47  4.27  4.30  4.27
3. Did the exam questions reflect the expected goals   6   0   4   2   9  46  58  4.28  766/1241  4.35  4.50  4.33  4.25  4.28
4. Did other evaluations reflect the expected goals    6  45   5   3  11  31  24  3.89 1082/1402  4.23  4.39  4.24  4.15  3.89
5. Did assigned readings contribute to what you learned 5  18   3   2  15  31  51  4.23  635/1358  4.24  4.38  4.11  4.03  4.23
6. Did written assignments contribute to what you learned 6 63  4  5   4  21  22  3.93  890/1316  4.31  4.47  4.14  3.99  3.93
7. Was the grading system clearly explained            5   0   1   3   5  25  86  4.60  337/1427  4.52  4.42  4.19  4.24  4.60
8. How many times was class cancelled                  4   2   0   1   5   8 105  4.82  700/1447  4.87  4.85  4.69  4.68  4.82
9. How would you grade the overall teaching effectiveness 16 1  5   1  39  48  15  3.62 1175/1434  3.83  4.30  4.10  4.10  3.62


            Lecture
1. Were the instructor's lectures well prepared       35   0   2   0   5  19  64  4.59  684/1387  4.69  4.64  4.46  4.46  4.59
2. Did the instructor seem interested in the subject  35   0   0   0   2  16  72  4.78  829/1387  4.81  4.87  4.73  4.71  4.78
3. Was lecture material presented and explained clearly 38 0  4   4  23  27  29  3.84 1160/1386  4.07  4.38  4.32  4.32  3.84
4. Did the lectures contribute to what you learned    35   0   6   5  19  22  38  3.90 1104/1380  4.01  4.46  4.32  4.31  3.90
5. Did audiovisual techniques enhance your understanding 40 3  2  4  13  19  44  4.21  517/1193  4.34  4.32  4.02  3.99  4.21


            Discussion
1. Did class discussions contribute to what you learned 72 0  5   6  14  13  15  3.51  999/1172  3.68  4.47  4.15  3.95  3.51
2. Were all students actively encouraged to participate 73 0  5   2  11  12  22  3.85  974/1182  3.85  4.55  4.35  4.18  3.85
3. Did the instructor encourage fair and open discussion 75 0  4  5  12   8  21  3.74  991/1170  3.87  4.50  4.38  4.17  3.74
4. Were special techniques successful                 73  14   1   4   6   6  21  4.11  407/ 800  4.11  4.52  4.06  3.95  4.11


            Laboratory
1. Did the lab increase understanding of the material 123   1   0   0   1   0   0  3.00 ****/ 189  4.40  4.21  4.34  4.18  ****
2. Were you provided with adequate background information 122 0 0  0   1   2   0  3.67 ****/ 192  4.73  4.35  4.34  4.31  ****
3. Were necessary materials available for lab activities 123 1 0  1   0   0   0  2.00 ****/ 186  4.93  4.38  4.48  4.46  ****
4. Did the lab instructor provide assistance          122   1   0   0   1   1   0  3.50 ****/ 187  4.53  4.46  4.33  4.37  ****
5. Were requirements for lab reports clearly specified 122  2   0   0   1   0   0  3.00 ****/ 168  3.93  4.18  4.20  4.29  ****


            Seminar
1. Were assigned topics relevant to the announced theme 123 1  0   0   1   0   0  3.00 ****/  66  ****  4.78  4.58  3.95  ****
2. Was the instructor available for individual attention 122 2 0  0   0   1   0  4.00 ****/  62  ****  5.00  4.56  4.08  ****


            Field Work
1. Did field experience contribute to what you learned 124 0  0   0   0   1   0  4.00 ****/  38  ****  5.00  4.49  3.83  ****
2. Did you clearly understand your evaluation criteria 124 0  0   0   0   1   0  4.00 ****/  36  ****  5.00  4.25  4.26  ****
4. To what degree could you discuss your evaluations  123   1   0   0   1   0   0  3.00 ****/  30  ****  4.00  4.30  3.64  ****


            Self  Paced
1. Did self-paced system contribute to what you learned 123 0  0   0   1   1   0  3.50 ****/  31  ****  5.00  4.72  4.50  ****
2. Did study questions make clear the expected goal   124   0   0   0   0   1   0  4.00 ****/  21  ****  4.00  4.57  4.38  ****
3. Were your contacts with the instructor helpful     124   0   0   0   1   0   0  3.00 ****/  31  ****  4.50  4.64  4.65  ****
4. Was the feedback/tutoring by proctors helpful      123   0   0   0   1   1   0  3.50 ****/  20  ****  5.00  4.60  4.49  ****
5. Were there enough proctors for all the students    124   0   0   1   0   0   0  2.00 ****/  15  ****  4.00  4.61  4.31  ****
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Course-Section: PHYS 122  01                    University of Maryland                              Page 1118
Title           Introductory Physics I             Baltimore County                                JUN 28, 2010
Instructor:     Cui,Lili                             Spring 2010                                    Job IRBR3029
Enrollment:     225
Questionnaires: 125                        Student Course Evaluation Questionnaire


                                               Frequency Distribution


Credits Earned          Cum. GPA          Expected Grades              Reasons                Type                Majors
----------------------------------------------------------------------------------------------------------------------
 00-27      9        0.00-0.99    0        A    44        Required for Majors  99    Graduate     0      Major       8
 28-55     20        1.00-1.99    1        B    55
 56-83     23        2.00-2.99    8        C     5        General               4    Under-grad  125     Non-major  117
 84-150    16        3.00-3.49   18        D     0
 Grad.      0        3.50-4.00   46        F     0        Electives             0    #### - Means there are not enough
                                           P     0                                   responses to be significant
                                           I     0        Other                 0
                                           ?     2
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Course-Section: PHYS 122  01              University of Maryland                          Page 1119
Title        Introductory Physics L         Baltimore County                           JUN 28, 2010
Instructor:  Gougousi,Theodo               Spring 2010                                 Job IRBR3029
Enrollment:     31
Questionnaires: 25                    Student Course Evaluation Questionnaire


                                          Frequencies        Instructor   Course Dept  UMBC Level  Sect
              Questions              NR  NA  1  2  3  4   5  Mean   Rank   Mean  Mean  Mean Mean  Mean
-------------------------------------------------------------------------------------------------------
              General
1. Did you gain new insights,skills from this course  0   0  0  0  1  9  15  4.56  518/1447  4.50  4.64  4.31  4.18  4.56
2. Did the instructor make clear the expected goals   0   0  0  2  0  7  16  4.48  561/1447  4.37  4.47  4.27  4.30  4.48
3. Did the exam questions reflect the expected goals  0  11  1  1  0  1  11  4.43  634/1241  4.35  4.50  4.33  4.25  4.43
4. Did other evaluations reflect the expected goals   0   0  0  1  2  4  18  4.56  425/1402  4.23  4.39  4.24  4.15  4.56
5. Did assigned readings contribute to what you learned  0   6  0  0  4  6   9  4.26  599/1358  4.24  4.38  4.11  4.03  4.26
6. Did written assignments contribute to what you learned  0   2  0  0  1  5  17  4.70  212/1316  4.31  4.47  4.14  3.99  4.70
7. Was the grading system clearly explained           0   0  1  2  0  4  18  4.44  541/1427  4.52  4.42  4.19  4.24  4.44
8. How many times was class cancelled                 0   0  0  0  0  2  23  4.92  388/1447  4.87  4.85  4.69  4.68  4.92
9. How would you grade the overall teaching effectiveness  4   0  0  0  5 10   6  4.05  828/1434  3.83  4.30  4.10  4.10  4.05


              Lecture
1. Were the instructor's lectures well prepared       1   0  0  0  1  3  20  4.79  368/1387  4.69  4.64  4.46  4.46  4.79
2. Did the instructor seem interested in the subject  1   0  0  0  0  4  20  4.83  707/1387  4.81  4.87  4.73  4.71  4.83
3. Was lecture material presented and explained clearly  1   0  0  0  5  7  12  4.29  847/1386  4.07  4.38  4.32  4.32  4.29
4. Did the lectures contribute to what you learned    1   0  2  0  4  5  13  4.13  984/1380  4.01  4.46  4.32  4.31  4.13
5. Did audiovisual techniques enhance your understanding  1   1  1  1  1  3  17  4.48  314/1193  4.34  4.32  4.02  3.99  4.48


              Discussion
1. Did class discussions contribute to what you learned  18   0  0  2  1  0   4  3.86  830/1172  3.68  4.47  4.15  3.95  3.86
2. Were all students actively encouraged to participate  18   0  1  1  0  1   4  3.86  968/1182  3.85  4.55  4.35  4.18  3.86
3. Did the instructor encourage fair and open discussion  18   0  0  2  0  1   4  4.00  864/1170  3.87  4.50  4.38  4.17  4.00
4. Were special techniques successful                 18   2  0  0  0  1   4  4.80  ****/ 800  4.11  4.52  4.06  3.95  ****


              Laboratory
1. Did the lab increase understanding of the material  10   0  1  0  0  5   9  4.40  102/ 189  4.40  4.21  4.34  4.18  4.40
2. Were you provided with adequate background information  10   0  0  1  0  1  13  4.73   47/ 192  4.73  4.35  4.34  4.31  4.73
3. Were necessary materials available for lab activities  10   0  0  0  0  1  14  4.93   15/ 186  4.93  4.38  4.48  4.46  4.93
4. Did the lab instructor provide assistance          10   0  1  0  1  1  12  4.53   95/ 187  4.53  4.46  4.33  4.37  4.53
5. Were requirements for lab reports clearly specified  10   0  1  1  2  5   6  3.93  122/ 168  3.93  4.18  4.20  4.29  3.93

                                    Frequency Distribution

Credits Earned        Cum. GPA        Expected Grades         Reasons              Type              Majors
-------------------------------------------------------------------------------------------------------
  00-27    4        0.00-0.99   0      A   7       Required for Majors  17    Graduate    0      Major      13
  28-55    6        1.00-1.99   0      B  12
  56-83    3        2.00-2.99   1      C   1       General               3    Under-grad  25     Non-major  12
  84-150   2        3.00-3.49   2      D   1
  Grad.    0        3.50-4.00  11      F   0       Electives             1    #### - Means there are not enough
                                       P   0                                  responses to be significant
                                       I   0       Other                 1
                                       ?   2
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                                                   Frequencies         Instructor   Course Dept  UMBC Level  Sect
                 Questions                    NR  NA   1   2   3   4   5  Mean     Rank       Mean  Mean  Mean Mean  Mean
------------------------------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course    0   0   0   0   0   2  12  4.86   201/1447   4.86  4.64  4.31  4.31  4.86
2. Did the instructor make clear the expected goals     0   0   0   0   1   3  10  4.64   376/1447   4.64  4.47  4.27  4.23  4.64
3. Did the exam questions reflect the expected goals    0   9   0   0   0   0   5  5.00     1/1241   5.00  4.50  4.33  4.35  5.00
4. Did other evaluations reflect the expected goals     0   2   0   0   0   0  12  5.00     1/1402   5.00  4.39  4.24  4.24  5.00
5. Did assigned readings contribute to what you learned 0   6   0   0   1   1   6  4.63   265/1358   4.63  4.38  4.11  4.12  4.63
6. Did written assignments contribute to what you learned 0 8   0   0   0   0   6  5.00     1/1316   5.00  4.47  4.14  4.08  5.00
7. Was the grading system clearly explained             0   0   0   1   1   1  11  4.57   373/1427   4.57  4.42  4.19  4.14  4.57
8. How many times was class cancelled                   0   1   0   0   0   0  13  5.00     1/1447   5.00  4.85  4.69  4.70  5.00
9. How would you grade the overall teaching effectiveness 2 0   0   0   0   6   6  4.50   341/1434   4.50  4.30  4.10  3.97  4.50

                 Lecture
1. Were the instructor's lectures well prepared         1   0   0   0   0   0  13  5.00     1/1387   5.00  4.64  4.46  4.42  5.00
2. Did the instructor seem interested in the subject    1   0   0   0   0   2  11  4.85   681/1387   4.85  4.87  4.73  4.71  4.85
3. Was lecture material presented and explained clearly 1   0   0   0   0   2  11  4.85   206/1386   4.85  4.38  4.32  4.24  4.85
4. Did the lectures contribute to what you learned      1   0   0   1   0   1  11  4.69   420/1380   4.69  4.46  4.32  4.30  4.69
5. Did audiovisual techniques enhance your understanding 1  1   0   0   0   3   9  4.75   131/1193   4.75  4.32  4.02  4.04  4.75

                 Discussion
1. Did class discussions contribute to what you learned 13  0   0   0   1   0   0  3.00  ****/1172   ****  4.47  4.15  4.12  ****
2. Were all students actively encouraged to participate 13  0   0   0   0   0   1  5.00  ****/1182   ****  4.55  4.35  4.30  ****
3. Did the instructor encourage fair and open discussion 13 0   0   0   0   0   1  5.00  ****/1170   ****  4.50  4.38  4.32  ****
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Frequency Distribution

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Credits Earned         Cum. GPA          Expected Grades          Reasons                  Type                    Majors
------------------------------------------------------------------------------------------------------------------------------
 00-27      0       0.00-0.99    0        A   14         Required for Majors  14      Graduate      0        Major        13
 28-55      2       1.00-1.99    0        B    0
 56-83      1       2.00-2.99    3        C    0         General               0      Under-grad   14        Non-major     1
 84-150     5       3.00-3.49    3        D    0
 Grad.      0       3.50-4.00    4        F    0         Electives             0      #### - Means there are not enough
                                          P    0                                       responses to be significant
                                          I    0         Other                 0
                                          ?    0
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Course-Section: PHYS 224  01                   University of Maryland                              Page 1121
Title          Introductory Physics I              Baltimore County                                JUN 28, 2010
Instructor:    De souza-machad                      Spring 2010                                    Job IRBR3029
Enrollment:    16
Questionnaires: 8                        Student Course Evaluation Questionnaire


                                             Frequencies         Instructor   Course Dept  UMBC Level  Sect
                Questions                NR  NA  1  2  3  4  5  Mean    Rank    Mean  Mean  Mean Mean   Mean
            ------------------------------------------------------------------------------------------------------
                General
1. Did you gain new insights,skills from this course    0   0  0  0  2  2  4  4.25  869/1447  4.25  4.64  4.31  4.31  4.25
2. Did the instructor make clear the expected goals     0   0  0  3  2  1  2  3.25 1372/1447  3.25  4.47  4.27  4.23  3.25
3. Did the exam questions reflect the expected goals    0   0  1  1  4  0  2  3.13 1209/1241  3.13  4.50  4.33  4.35  3.13
4. Did other evaluations reflect the expected goals     0   2  1  0  4  1  0  2.83 1379/1402  2.83  4.39  4.24  4.24  2.83
5. Did assigned readings contribute to what you learned 0   1  1  1  2  3  0  3.00 1291/1358  3.00  4.38  4.11  4.12  3.00
6. Did written assignments contribute to what you learned 0 2  0  2  1  2  1  3.33 1200/1316  3.33  4.47  4.14  4.08  3.33
7. Was the grading system clearly explained             0   2  1  2  1  2  0  2.67 1388/1427  2.67  4.42  4.19  4.14  2.67
8. How many times was class cancelled                   0   0  0  1  0  0  7  4.63  998/1447  4.63  4.85  4.69  4.70  4.63
9. How would you grade the overall teaching effectiveness 1 0  0  2  2  3  0  3.14 1334/1434  3.14  4.30  4.10  3.97  3.14


                Lecture
1. Were the instructor's lectures well prepared         0   0  2  0  1  3  2  3.38 1320/1387  3.38  4.64  4.46  4.42  3.38
2. Did the instructor seem interested in the subject    0   0  0  0  2  1  5  4.38 1214/1387  4.38  4.87  4.73  4.71  4.38
3. Was lecture material presented and explained clearly 0   0  2  0  2  4  0  3.00 1328/1386  3.00  4.38  4.32  4.24  3.00
4. Did the lectures contribute to what you learned      0   0  1  1  0  4  2  3.63 1211/1380  3.63  4.46  4.32  4.30  3.63
5. Did audiovisual techniques enhance your understanding 2  5  0  1  0  0  0  2.00 ****/1193  ****  4.32  4.02  4.04  ****


                                    Frequency Distribution

Credits Earned          Cum. GPA          Expected Grades          Reasons                 Type                 Majors
-----------------------------------------------------------------------------------------------------------------------
00-27      0          0.00-0.99    0         A    3          Required for Majors   6      Graduate    0        Major        7
28-55      4          1.00-1.99    0         B    3                                       Under-grad  8        Non-major    1
56-83      2          2.00-2.99    1         C    1          General               0
84-150     0          3.00-3.49    4         D    0
Grad.      0          3.50-4.00    2         F    0          Electives             0      #### - Means there are not enough
                                             P    0                                       responses to be significant
                                             I    0          Other                 0
                                             ?    0
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Course-Section: PHYS 320L 01                University of Maryland                            Page 1122
Title      Electronics for Scient            Baltimore County                               JUN 28, 2010
Instructor:    Hendrickson,Sco                 Spring 2010                                  Job IRBR3029
Enrollment:    20
Questionnaires: 18                 Student Course Evaluation Questionnaire


                                          Frequencies         Instructor   Course Dept  UMBC Level  Sect
                 Questions              NR  NA  1  2  3  4  5  Mean    Rank    Mean Mean  Mean Mean  Mean
--------------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course   1   0  0  0  2  3 12  4.59  496/1447  4.59 4.64  4.31 4.32  4.59
2. Did the instructor make clear the expected goals    2   0  0  0  3  4  9  4.38  715/1447  4.38 4.47  4.27 4.23  4.38
3. Did the exam questions reflect the expected goals   1   0  0  1  2  3 11  4.41  646/1241  4.41 4.50  4.33 4.33  4.41
4. Did other evaluations reflect the expected goals    2   1  0  0  3  3  9  4.40  616/1402  4.40 4.39  4.24 4.24  4.40
5. Did assigned readings contribute to what you learned 2  3  0  2  5  0  6  3.77 1015/1358  3.77 4.38  4.11 4.10  3.77
6. Did written assignments contribute to what you learned 2 5 0 0  2  2  7  4.45  444/1316  4.45 4.47  4.14 4.13  4.45
7. Was the grading system clearly explained            2   0  0  0  3  3 10  4.44  554/1427  4.44 4.42  4.19 4.15  4.44
8. How many times was class cancelled                  2   0  0  0  0  2 14  4.88  565/1447  4.88 4.85  4.69 4.65  4.88
9. How would you grade the overall teaching effectiveness 5 0 0 0  3  7  3  4.00  849/1434  4.00 4.30  4.10 4.09  4.00


                 Lecture
1. Were the instructor's lectures well prepared        3   0  0  0  3  6  6  4.20 1085/1387  4.20 4.64  4.46 4.44  4.20
2. Did the instructor seem interested in the subject   3   0  0  0  0  5 10  4.67  982/1387  4.67 4.87  4.73 4.71  4.67
3. Was lecture material presented and explained clearly 3  0  0  1  3  6  5  4.00 1047/1386  4.00 4.38  4.32 4.30  4.00
4. Did the lectures contribute to what you learned     3   0  0  0  2  7  6  4.27  877/1380  4.27 4.46  4.32 4.32  4.27
5. Did audiovisual techniques enhance your understanding 4 1 0 1  4  6  2  3.69  879/1193  3.69 4.32  4.02 4.05  3.69


                 Discussion
1. Did class discussions contribute to what you learned 17 0 0 0  1  0  0  3.00 ****/1172  **** 4.47  4.15 4.24  ****
2. Were all students actively encouraged to participate 17 0 0 0  0  0  1  5.00 ****/1182  **** 4.55  4.35 4.42  ****
3. Did the instructor encourage fair and open discussion 17 0 0 0 0  0  1  5.00 ****/1170  **** 4.50  4.38 4.49  ****


                 Laboratory
1. Did the lab increase understanding of the material   9  0  0  0  0  4  5  4.56   77/ 189  4.56 4.21  4.34 4.26  4.56
2. Were you provided with adequate background information 9 0 0 1  0  2  6  4.44  100/ 192  4.44 4.35  4.34 4.20  4.44
3. Were necessary materials available for lab activities 9 0 0 0  2  1  6  4.44  119/ 186  4.44 4.38  4.48 4.36  4.44
4. Did the lab instructor provide assistance            9  0  0  0  0  2  7  4.78   44/ 187  4.78 4.46  4.33 4.11  4.78
5. Were requirements for lab reports clearly specified  9  0  0  2  1  3  3  3.78  137/ 168  3.78 4.18  4.20 4.02  3.78

                               Frequency Distribution


Credits Earned        Cum. GPA        Expected Grades       Reasons             Type               Majors
----------------------------------------------------------------------------------------------------------
  00-27     1       0.00-0.99    0      A   5       Required for Majors  15    Graduate     0     Major      17
  28-55     0       1.00-1.99    0      B   9                                 Under-grad   18     Non-major   1
  56-83     1       2.00-2.99    1      C   1       General           0       Under-grad   18     Non-major   1
  84-150    4       3.00-3.49    1      D   0
  Grad.     0       3.50-4.00    8      F   0       Electives         0       #### - Means there are not enough
                                       P   0                                 responses to be significant
                                       I   0       Other             0
                                       ?   1
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Course-Section: PHYS 321  01              University of Maryland                        Page 1123
Title          Intermediate Mechanics     Baltimore County                            JUN 28, 2010
Instructor:    Worchesky,Terra            Spring 2010                                 Job IRBR3029
Enrollment:    26
Questionnaires: 22                Student Course Evaluation Questionnaire

                                            Frequencies        Instructor   Course Dept  UMBC Level  Sect
                 Questions                NR  NA  1  2  3  4  5  Mean    Rank    Mean  Mean  Mean Mean  Mean
----------------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course   0   0  0  0  1  4 17  4.73  342/1447  4.73  4.64  4.31  4.32  4.73
2. Did the instructor make clear the expected goals    0   0  0  0  6  8  8  4.09  999/1447  4.09  4.47  4.27  4.23  4.09
3. Did the exam questions reflect the expected goals   0   0  0  0  2 13  7  4.23  806/1241  4.23  4.50  4.33  4.33  4.23
4. Did other evaluations reflect the expected goals    0   9  0  0  2  3  8  4.46  542/1402  4.46  4.39  4.24  4.24  4.46
5. Did assigned readings contribute to what you learned 0  4  0  1  4  7  6  4.00  799/1358  4.00  4.38  4.11  4.10  4.00
6. Did written assignments contribute to what you learned 0 8  0  0  1  6  7  4.43  476/1316  4.43  4.47  4.14  4.13  4.43
7. Was the grading system clearly explained            0   0  0  0  4  7 11  4.32  704/1427  4.32  4.42  4.19  4.15  4.32
8. How many times was class cancelled                  0   0  0  0  0  1 21  4.95  243/1447  4.95  4.85  4.69  4.65  4.95
9. How would you grade the overall teaching effectiveness 4 0  0  0  0  7 11  4.61  270/1434  4.61  4.30  4.10  4.09  4.61


                 Lecture
1. Were the instructor's lectures well prepared        0   0  0  0  0  1 21  4.95  100/1387  4.95  4.64  4.46  4.44  4.95
2. Did the instructor seem interested in the subject   1   0  0  0  0  0 21  5.00    1/1387  5.00  4.87  4.73  4.71  5.00
3. Was lecture material presented and explained clearly 1  0  0  0  0  6 15  4.71  366/1386  4.71  4.38  4.32  4.30  4.71
4. Did the lectures contribute to what you learned     1   0  0  0  1  5 15  4.67  463/1380  4.67  4.46  4.32  4.32  4.67
5. Did audiovisual techniques enhance your understanding 1 16 0  0  2  1  2  4.00  ****/1193  ****  4.32  4.02  4.05  ****


                 Discussion
1. Did class discussions contribute to what you learned 20 0  0  0  2  0  0  3.00  ****/1172  ****  4.47  4.15  4.24  ****
2. Were all students actively encouraged to participate 20 0  0  1  0  0  1  3.50  ****/1182  ****  4.55  4.35  4.42  ****
3. Did the instructor encourage fair and open discussion 20 0 0  0  1  0  1  4.00  ****/1170  ****  4.50  4.38  4.49  ****
4. Were special techniques successful                  19  2  0  1  0  0  0  2.00  ****/ 800  ****  4.52  4.06  4.12  ****

                                    Frequency Distribution

Credits Earned        Cum. GPA        Expected Grades          Reasons                    Type                  Majors
----------------------------------------------------------------------------------------------------------------------
00-27      0       0.00-0.99    0      A   4        Required for Majors  21      Graduate    0       Major       17
28-55      1       1.00-1.99    0      B   6                                                         
56-83      3       2.00-2.99    4      C   8        General               0      Under-grad  22      Non-major    5
84-150     5       3.00-3.49    6      D   0                                                         
Grad.      0       3.50-4.00    5      F   0        Electives             0      #### - Means there are not enough
                                       P   0                                    responses to be significant
                                       I   0        Other                 1
                                       ?   2
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Course-Section: PHYS 324  01                    University of Maryland                                    Page 1124
Title      Modern Physics                         Baltimore County                                     JUN 28, 2010
Instructor:   Reno,Robert C                          Spring 2010                                       Job IRBR3029
Enrollment:    36
Questionnaires: 21                      Student Course Evaluation Questionnaire


                                             Frequencies        Instructor   Course Dept  UMBC Level  Sect
              Questions                NR  NA  1  2  3  4   5  Mean     Rank    Mean  Mean  Mean  Mean  Mean
-------------------------------------------------------------------------------------------------------------------
              General
1. Did you gain new insights,skills from this course   0   0   0  1  1  4  15  4.57   507/1447   4.57  4.64  4.31  4.32  4.57
2. Did the instructor make clear the expected goals    0   0   0  0  4  3  14  4.48   575/1447   4.48  4.47  4.27  4.23  4.48
3. Did the exam questions reflect the expected goals   0   0   0  1  4  3  13  4.33   717/1241   4.33  4.50  4.33  4.33  4.33
4. Did other evaluations reflect the expected goals    0   8   0  2  0  1  10  4.46   542/1402   4.46  4.39  4.24  4.24  4.46
5. Did assigned readings contribute to what you learned 0   6   0  0  2  6   7  4.33   529/1358   4.33  4.38  4.11  4.10  4.33
6. Did written assignments contribute to what you learned 0 11   0  1  0  1   8  4.60   292/1316   4.60  4.47  4.14  4.13  4.60
7. Was the grading system clearly explained            0   0   0  0  1  2  18  4.81   154/1427   4.81  4.42  4.19  4.15  4.81
8. How many times was class cancelled                  0   0   0  0  0  0  21  5.00     1/1447   5.00  4.85  4.69  4.65  5.00
9. How would you grade the overall teaching effectiveness 2  0   0  0  3  4  12  4.47   374/1434   4.47  4.30  4.10  4.09  4.47


              Lecture
1. Were the instructor's lectures well prepared        0   0   0  0  1  3  17  4.76   414/1387   4.76  4.64  4.46  4.44  4.76
2. Did the instructor seem interested in the subject   0   0   0  0  1  3  17  4.76   844/1387   4.76  4.87  4.73  4.71  4.76
3. Was lecture material presented and explained clearly 0   0   0  1  2  4  14  4.48   649/1386   4.48  4.38  4.32  4.30  4.48
4. Did the lectures contribute to what you learned     0   0   0  1  1  3  16  4.62   534/1380   4.62  4.46  4.32  4.32  4.62
5. Did audiovisual techniques enhance your understanding 2  6   2  0  0  4   7  4.08   624/1193   4.08  4.32  4.02  4.05  4.08


              Discussion
1. Did class discussions contribute to what you learned 17  0   2  0  1  0   1  2.50  ****/1172   ****  4.47  4.15  4.24  ****
2. Were all students actively encouraged to participate 17  0   2  0  0  0   2  3.00  ****/1182   ****  4.55  4.35  4.42  ****
3. Did the instructor encourage fair and open discussion 17 0   1  0  1  1   1  3.25  ****/1170   ****  4.50  4.38  4.49  ****
4. Were special techniques successful                  16   4   0  0  0  0   1  5.00  ****/ 800   ****  4.52  4.06  4.12  ****


              Laboratory
1. Did the lab increase understanding of the material  20   0   0  0  0  1   0  4.00  ****/ 189   ****  4.21  4.34  4.26  ****
2. Were you provided with adequate background information 20 0   0  0  0  0   1  5.00  ****/ 192   ****  4.35  4.34  4.20  ****
3. Were necessary materials available for lab activities 20 0   0  0  0  0   1  5.00  ****/ 186   ****  4.38  4.48  4.36  ****
4. Did the lab instructor provide assistance           20   0   0  0  0  0   1  5.00  ****/ 187   ****  4.46  4.33  4.11  ****

                                    Frequency Distribution


Credits Earned          Cum. GPA          Expected Grades        Reasons              Type                 Majors
-------------------------------------------------------------------------------------------------------------------
 00-27      0        0.00-0.99    0       A    3     Required for Majors  20    Graduate      0      Major       19
 28-55      4        1.00-1.99    0       B    9                                Under-grad   21      Non-major    2
 56-83      4        2.00-2.99    4       C    6     General              0
 84-150     2        3.00-3.49    2       D    0
 Grad.      0        3.50-4.00    7       F    0     Electives            0     #### - Means there are not enough
                                         P    0                                responses to be significant
                                         I    0     Other                0
                                         ?    1
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                                                    Frequencies        Instructor    Course Dept  UMBC Level  Sect
              Questions                    NR  NA   1   2   3   4   5  Mean    Rank    Mean  Mean  Mean Mean  Mean
-----------------------------------------------------------------------------------------------------------------------
              General
1. Did you gain new insights,skills from this course    0   0   0   0   0   4  17  4.81   254/1447  4.81  4.64  4.31  4.43  4.81
2. Did the instructor make clear the expected goals     0   0   0   0   0   3  18  4.86   154/1447  4.86  4.47  4.27  4.31  4.86
3. Did the exam questions reflect the expected goals    0   0   0   0   0   2  19  4.90   141/1241  4.90  4.50  4.33  4.41  4.90
4. Did other evaluations reflect the expected goals     0   2   0   0   1   3  15  4.74   238/1402  4.74  4.39  4.24  4.34  4.74
5. Did assigned readings contribute to what you learned 0   0   0   1   5   1  14  4.33   529/1358  4.33  4.38  4.11  4.15  4.33
6. Did written assignments contribute to what you learned 1 5   0   0   2   1  12  4.67   239/1316  4.67  4.47  4.14  4.27  4.67
7. Was the grading system clearly explained             0   0   0   0   1   4  16  4.71   237/1427  4.71  4.42  4.19  4.20  4.71
8. How many times was class cancelled                   1   0   0   0   0   6  14  4.70   928/1447  4.70  4.85  4.69  4.72  4.70
9. How would you grade the overall teaching effectiveness 3 0   0   0   0   2  16  4.89    93/1434  4.89  4.30  4.10  4.17  4.89


              Lecture
1. Were the instructor's lectures well prepared         2   0   0   0   0   1  18  4.95   120/1387  4.95  4.64  4.46  4.48  4.95
2. Did the instructor seem interested in the subject    2   0   0   0   0   0  19  5.00     1/1387  5.00  4.87  4.73  4.76  5.00
3. Was lecture material presented and explained clearly 2   0   0   0   0   1  18  4.95    82/1386  4.95  4.38  4.32  4.34  4.95
4. Did the lectures contribute to what you learned      2   0   0   0   0   0  19  5.00     1/1380  5.00  4.46  4.32  4.34  5.00
5. Did audiovisual techniques enhance your understanding 3  1   0   0   0   2  15  4.88    72/1193  4.88  4.32  4.02  4.00  4.88


              Discussion
1. Did class discussions contribute to what you learned 17  0   0   0   0   0   4  5.00  ****/1172  ****  4.47  4.15  4.25  ****
2. Were all students actively encouraged to participate 17  0   0   0   0   0   4  5.00  ****/1182  ****  4.55  4.35  4.49  ****
3. Did the instructor encourage fair and open discussion 17 0  0   0   0   0   4  5.00  ****/1170  ****  4.50  4.38  4.51  ****
4. Were special techniques successful                   17  2   0   0   0   0   2  5.00  ****/ 800  ****  4.52  4.06  4.19  ****


              Seminar
1. Were assigned topics relevant to the announced theme 20  0   0   0   0   0   1  5.00  ****/  66  ****  4.78  4.58  4.87  ****
2. Was the instructor available for individual attention 20 0  0   0   0   0   1  5.00  ****/  62  ****  5.00  4.56  4.80  ****
3. Did research projects contribute to what you learned 20  0   0   0   0   0   1  5.00  ****/  58  ****  5.00  4.41  4.59  ****
4. Did presentations contribute to what you learned     20  0   0   0   0   0   1  5.00  ****/  65  ****  5.00  4.42  4.55  ****
5. Were criteria for grading made clear                 20  0   0   0   0   0   1  5.00  ****/  64  ****  4.50  4.09  4.43  ****
```

                              Frequency Distribution

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Credits Earned          Cum. GPA          Expected Grades          Reasons                  Type                  Majors
-----------------------------------------------------------------------------------------------------------------------------
 00-27     0        0.00-0.99    0        A    10       Required for Majors   6     Graduate      2       Major        17
 28-55     0        1.00-1.99    0        B     8
 56-83     1        2.00-2.99    2        C     2       General               1     Under-grad   19       Non-major     4
 84-150    5        3.00-3.49    6        D     0
 Grad.     2        3.50-4.00    3        F     0       Electives            11     #### - Means there are not enough
                                          P     0                                  responses to be significant
                                          I     0       Other                 2
                                          ?     1
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Course-Section: PHYS 415  01                 University of Maryland                          Page 1126
Title        Observational Astronom            Baltimore County                            JUN 28, 2010
Instructor:  George,Ian M                        Spring 2010                                Job IRBR3029
Enrollment:     4
Questionnaires:  4                    Student Course Evaluation Questionnaire


                                          Frequencies      Instructor   Course Dept  UMBC Level  Sect
               Questions               NR  NA  1  2  3  4  5  Mean    Rank     Mean  Mean  Mean  Mean  Mean
-----------------------------------------------------------------------------------------------------------
               General
1. Did you gain new insights,skills from this course    0   0  0  0  0  1  3  4.75   309/1447   4.75  4.64  4.31  4.43  4.75
2. Did the instructor make clear the expected goals     0   0  0  0  1  0  3  4.50   532/1447   4.50  4.47  4.27  4.31  4.50
4. Did other evaluations reflect the expected goals     0   0  0  0  0  1  3  4.75   217/1402   4.75  4.39  4.24  4.34  4.75
6. Did written assignments contribute to what you learned 0  0  0  0  0  1  3  4.75   166/1316   4.75  4.47  4.14  4.27  4.75
7. Was the grading system clearly explained             0   2  1  0  0  0  1  3.00  1359/1427   3.00  4.42  4.19  4.20  3.00
8. How many times was class cancelled                   0   0  0  0  0  3  1  4.25  1252/1447   4.25  4.85  4.69  4.72  4.25
9. How would you grade the overall teaching effectiveness 1  0  0  0  0  2  1  4.33   540/1434   4.33  4.30  4.10  4.17  4.33

               Lecture
1. Were the instructor's lectures well prepared         0   0  0  0  1  1  2  4.25  1039/1387   4.25  4.64  4.46  4.48  4.25
2. Did the instructor seem interested in the subject    0   0  0  0  0  0  4  5.00     1/1387   5.00  4.87  4.73  4.76  5.00
3. Was lecture material presented and explained clearly 0   0  0  0  0  1  3  4.75   316/1386   4.75  4.38  4.32  4.34  4.75
4. Did the lectures contribute to what you learned      0   0  0  0  0  1  3  4.75   339/1380   4.75  4.46  4.32  4.34  4.75
5. Did audiovisual techniques enhance your understanding 0  0  0  0  0  1  3  4.75   131/1193   4.75  4.32  4.02  4.00  4.75

               Discussion
1. Did class discussions contribute to what you learned 3   0  0  0  0  1  0  4.00   710/1172   4.00  4.47  4.15  4.25  4.00
2. Were all students actively encouraged to participate 3   0  0  0  0  0  1  5.00     1/1182   5.00  4.55  4.35  4.49  5.00
3. Did the instructor encourage fair and open discussion 3  0  0  0  0  1  0  4.00   864/1170   4.00  4.50  4.38  4.51  4.00
4. Were special techniques successful                   3   0  0  0  0  1  0  4.00   423/ 800   4.00  4.52  4.06  4.19  4.00

                                    Frequency Distribution


Credits Earned         Cum. GPA         Expected Grades         Reasons                 Type                    Majors
------------------------------------------------------------------------------------------------------------------------
 00-27     1          0.00-0.99   0       A   2          Required for Majors   3      Graduate      0        Major        3
 28-55     0          1.00-1.99   0       B   1                                        Under-grad    4        Non-major    1
 56-83     0          2.00-2.99   1       C   1          General               0      Under-grad    4        Non-major    1
 84-150    2          3.00-3.49   1       D   0
 Grad.     0          3.50-4.00   2       F   0          Electives             1      #### - Means there are not enough
                                          P   0                                       responses to be significant
                                          I   0          Other                 0
                                          ?   0
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                                                       Frequencies      Instructor   Course Dept  UMBC Level  Sect
                 Questions                    NR  NA   1   2   3   4   5  Mean    Rank     Mean Mean  Mean Mean  Mean
---------------------------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course   0   0   1   0   1   2  12  4.50   585/1447  4.50  4.64  4.31  4.43  4.50
2. Did the instructor make clear the expected goals    0   0   1   1   3   4   7  3.94  1114/1447  3.94  4.47  4.27  4.31  3.94
3. Did the exam questions reflect the expected goals   0   0   1   2   4   7   2  3.44  1159/1241  3.44  4.50  4.33  4.41  3.44
4. Did other evaluations reflect the expected goals    0   8   1   1   1   3   2  3.50  1264/1402  3.50  4.39  4.24  4.34  3.50
5. Did assigned readings contribute to what you learned 0  1   0   1   1   5   8  4.33   529/1358  4.33  4.38  4.11  4.15  4.33
6. Did written assignments contribute to what you learned 0 11  0   0   1   2   2  4.20   671/1316  4.20  4.47  4.14  4.27  4.20
7. Was the grading system clearly explained            0   0   0   1   2   5   8  4.25   775/1427  4.25  4.42  4.19  4.20  4.25
8. How many times was class cancelled                  0   1   0   0   0   1  14  4.93   339/1447  4.93  4.85  4.69  4.72  4.93
9. How would you grade the overall teaching effectiveness 3 0  1   0   2   8   2  3.77  1081/1434  3.77  4.30  4.10  4.17  3.77


                 Lecture
1. Were the instructor's lectures well prepared        0   0   0   1   0   3  12  4.63   626/1387  4.63  4.64  4.46  4.48  4.63
2. Did the instructor seem interested in the subject   0   0   0   0   2   1  13  4.69   958/1387  4.69  4.87  4.73  4.76  4.69
3. Was lecture material presented and explained clearly 0  0   1   1   1   6   7  4.06  1022/1386  4.06  4.38  4.32  4.34  4.06
4. Did the lectures contribute to what you learned     0   0   1   1   2   1  11  4.25   887/1380  4.25  4.46  4.32  4.34  4.25
5. Did audiovisual techniques enhance your understanding 2 5  1   1   2   3   2  3.44   983/1193  3.44  4.32  4.02  4.00  3.44


                 Discussion
1. Did class discussions contribute to what you learned 13 0  2   0   0   1   0  2.00  ****/1172  ****  4.47  4.15  4.25  ****
2. Were all students actively encouraged to participate 13 0  0   1   2   0   0  2.67  ****/1182  ****  4.55  4.35  4.49  ****
3. Did the instructor encourage fair and open discussion 13 0 1   1   1   0   0  2.00  ****/1170  ****  4.50  4.38  4.51  ****
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                                    Frequency Distribution

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Credits Earned          Cum. GPA          Expected Grades        Reasons                 Type                    Majors
-------------------------------------------------------------------------------------------------------------------------
  00-27      3        0.00-0.99    0       A    3       Required for Majors  14     Graduate     0        Major      12
  28-55      0        1.00-1.99    0       B    3
  56-83      0        2.00-2.99    2       C    7       General               0     Under-grad  16        Non-major   4
  84-150     3        3.00-3.49    2       D    0
  Grad.      0        3.50-4.00    5       F    0       Electives             1     #### - Means there are not enough
                                           P    0                                  responses to be significant
                                           I    0       Other                 0
                                           ?    2
```

| | | Frequencies | | | | | | Instructor | | Course | Dept | UMBC | Level | Sect |
Questions	NR	NA	1	2	3	4	5	Mean	Rank	Mean	Mean	Mean	Mean	Mean
General														
1. Did you gain new insights,skills from this course	0	0	0	0	0	3	2	4.40	723/1447	4.40	4.64	4.31	4.43	4.40
2. Did the instructor make clear the expected goals	0	0	0	0	1	2	2	4.20	911/1447	4.20	4.47	4.27	4.31	4.20
3. Did the exam questions reflect the expected goals	0	4	0	0	0	0	1	5.00	****/1241	****	4.50	4.33	4.41	****
4. Did other evaluations reflect the expected goals	0	0	0	0	1	0	4	4.60	380/1402	4.60	4.39	4.24	4.34	4.60
5. Did assigned readings contribute to what you learned	0	0	0	0	0	4	1	4.20	663/1358	4.20	4.38	4.11	4.15	4.20
6. Did written assignments contribute to what you learned	0	0	0	1	1	1	2	3.80	968/1316	3.80	4.47	4.14	4.27	3.80
7. Was the grading system clearly explained	0	0	0	0	2	1	2	4.00	971/1427	4.00	4.42	4.19	4.20	4.00
8. How many times was class cancelled	0	0	0	0	0	0	5	5.00	1/1447	5.00	4.85	4.69	4.72	5.00
9. How would you grade the overall teaching effectiveness	0	0	0	0	1	3	1	4.00	849/1434	4.00	4.30	4.10	4.17	4.00
Lecture														
1. Were the instructor's lectures well prepared	2	0	0	0	0	2	1	4.33	970/1387	4.33	4.64	4.46	4.48	4.33
2. Did the instructor seem interested in the subject	3	0	0	0	0	0	2	5.00	1/1387	5.00	4.87	4.73	4.76	5.00
3. Was lecture material presented and explained clearly	3	0	0	0	1	0	1	4.00	1047/1386	4.00	4.38	4.32	4.34	4.00
4. Did the lectures contribute to what you learned	3	0	0	0	0	1	1	4.50	659/1380	4.50	4.46	4.32	4.34	4.50
5. Did audiovisual techniques enhance your understanding	3	1	0	0	0	0	1	5.00	****/1193	****	4.32	4.02	4.00	****
Laboratory														
1. Did the lab increase understanding of the material	0	1	0	0	1	0	3	4.50	87/ 189	4.50	4.21	4.34	4.74	4.50
2. Were you provided with adequate background information	0	0	0	1	1	2	1	3.60	176/ 192	3.60	4.35	4.34	4.61	3.60
3. Were necessary materials available for lab activities	0	0	0	0	1	0	4	4.60	85/ 186	4.60	4.38	4.48	4.72	4.60
4. Did the lab instructor provide assistance	0	0	0	1	0	1	3	4.20	131/ 187	4.20	4.46	4.33	4.59	4.20
5. Were requirements for lab reports clearly specified	0	0	0	0	1	1	3	4.40	64/ 168	4.40	4.18	4.20	4.53	4.40

Frequency Distribution

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

Title   Special Topics   Baltimore County   JUN 28, 2010
Instructor: George,Ian M   Spring 2010   Job IRBR3029
Enrollment: 1
Questionnaires: 1   Student Course Evaluation Questionnaire

                                           Frequencies   Instructor   Course Dept UMBC Level Sect
                Questions   NR NA 1 2 3 4 5 Mean   Rank   Mean Mean Mean Mean Mean
----
                General
1. Did you gain new insights,skills from this course   0   0 0 0 0 0 1 5.00   1/1447   5.00 4.64 4.31 4.43 5.00
2. Did the instructor make clear the expected goals   0   0 0 0 0 0 1 5.00   1/1447   5.00 4.47 4.27 4.31 5.00
5. Did assigned readings contribute to what you learned 0   0 0 0 0 0 1 5.00   1/1358   5.00 4.38 4.11 4.15 5.00
8. How many times was class cancelled   0   0 0 0 0 0 1 5.00   1/1447   5.00 4.85 4.69 4.72 5.00
9. How would you grade the overall teaching effectiveness 0 0 0 0 0 1 0 4.00 849/1434   4.50 4.30 4.10 4.17 4.00

                Field Work
1. Did field experience contribute to what you learned 0   0 0 0 0 0 1 5.00   1/ 38   5.00 5.00 4.49 4.68 5.00
2. Did you clearly understand your evaluation criteria 0   0 0 0 0 0 1 5.00   1/ 36   5.00 5.00 4.25 4.42 5.00
3. Was the instructor available for consultation   0   0 0 0 0 0 1 5.00   1/ 28   5.00 5.00 4.52 4.72 5.00
4. To what degree could you discuss your evaluations   0   0 0 0 0 1 0 4.00   22/ 30   4.00 4.00 4.30 4.38 4.00
5. Did conferences help you carry out field activities 0   0 0 0 0 0 1 5.00   1/ 27   5.00 5.00 4.43 4.62 5.00

                                          Frequency Distribution

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

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Course-Section: PHYS 450  16                   University of Maryland                                  Page 1130
Title        Special Topics                       Baltimore County                                    JUN 28, 2010
Instructor:  Martins,Jose V                         Spring 2010                                       Job IRBR3029
Enrollment:     2
Questionnaires:  2                        Student Course Evaluation Questionnaire


                                            Frequencies        Instructor    Course Dept  UMBC Level  Sect
                 Questions               NR  NA  1  2  3  4  5  Mean   Rank     Mean Mean  Mean Mean  Mean
            -----------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course   0  0  0  0  0  0  2  5.00   1/1447  5.00 4.64  4.31 4.43  5.00
2. Did the instructor make clear the expected goals    0  0  0  0  0  0  2  5.00   1/1447  5.00 4.47  4.27 4.31  5.00
3. Did the exam questions reflect the expected goals   0  1  0  0  0  0  1  5.00   1/1241  5.00 4.50  4.33 4.41  5.00
4. Did other evaluations reflect the expected goals    0  1  0  0  0  0  1  5.00   1/1402  5.00 4.39  4.24 4.34  5.00
5. Did assigned readings contribute to what you learned 0  1  0  0  0  0  1  5.00   1/1358  5.00 4.38  4.11 4.15  5.00
6. Did written assignments contribute to what you learned 0 1 0 0 0 0 1  5.00   1/1316  5.00 4.47  4.14 4.27  5.00
7. Was the grading system clearly explained            0  1  0  0  0  0  1  5.00   1/1427  5.00 4.42  4.19 4.20  5.00
8. How many times was class cancelled                  0  0  0  0  0  0  2  5.00   1/1447  5.00 4.85  4.69 4.72  5.00
9. How would you grade the overall teaching effectiveness 0 0 0 0 0 0 2 5.00   1/1434  4.50 4.30  4.10 4.17  5.00


                                        Frequency Distribution

Credits Earned         Cum. GPA          Expected Grades          Reasons              Type                Majors
---------------------------------------------------------------------------------------------------------------
 00-27      0       0.00-0.99    0         A    1         Required for Majors   0     Graduate    0       Major      1
 28-55      0       1.00-1.99    0         B    0
 56-83      0       2.00-2.99    0         C    0         General               0     Under-grad  2       Non-major  1
 84-150     1       3.00-3.49    0         D    0
 Grad.      0       3.50-4.00    1         F    0         Electives             2     #### - Means there are not enough
                                           P    1                                     responses to be significant
                                           I    0         Other                 0
                                           ?    0
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Course-Section: PHYS 481  1                     University of Maryland                              Page 1131
Title       Tech Theoretical Phys                  Baltimore County                               JUN 28, 2010
Instructor:  McCann,Kevin J                          Spring 2010                                   Job IRBR3029
Enrollment:     7
Questionnaires:  7                        Student Course Evaluation Questionnaire


                                              Frequencies        Instructor   Course Dept  UMBC Level  Sect
                 Questions                 NR  NA  1  2  3  4  5  Mean    Rank    Mean Mean  Mean Mean  Mean
------------------------------------------------------------------------------------------------------------
           General
1. Did you gain new insights,skills from this course    0   0  0  0  2  1  4  4.29   839/1447  4.29  4.64  4.31  4.43  4.29
2. Did the instructor make clear the expected goals     0   0  0  0  2  1  4  4.29   824/1447  4.29  4.47  4.27  4.31  4.29
3. Did the exam questions reflect the expected goals    0   0  0  1  0  3  3  4.14   855/1241  4.14  4.50  4.33  4.41  4.14
4. Did other evaluations reflect the expected goals     0   0  1  2  0  2  2  3.29  1322/1402  3.29  4.39  4.24  4.34  3.29
5. Did assigned readings contribute to what you learned 0   2  1  0  1  2  1  3.40  1212/1358  3.40  4.38  4.11  4.15  3.40
6. Did written assignments contribute to what you learned 0  1  0  1  1  3  1  3.67  1050/1316  3.67  4.47  4.14  4.27  3.67
7. Was the grading system clearly explained             0   0  0  0  4  1  2  3.71  1180/1427  3.71  4.42  4.19  4.20  3.71
8. How many times was class cancelled                   0   0  0  0  0  0  7  5.00     1/1447  5.00  4.85  4.69  4.72  5.00
9. How would you grade the overall teaching effectiveness 1  0  0  0  1  2  3  4.33   540/1434  4.33  4.30  4.10  4.17  4.33


           Lecture
1. Were the instructor's lectures well prepared         0   0  0  0  0  1  6  4.86   276/1387  4.86  4.64  4.46  4.48  4.86
2. Did the instructor seem interested in the subject    0   0  0  0  1  0  6  4.71   919/1387  4.71  4.87  4.73  4.76  4.71
3. Was lecture material presented and explained clearly 0   0  0  0  1  1  5  4.57   539/1386  4.57  4.38  4.32  4.34  4.57
4. Did the lectures contribute to what you learned      0   0  0  0  0  3  4  4.57   582/1380  4.57  4.46  4.32  4.34  4.57
5. Did audiovisual techniques enhance your understanding 0  3  0  0  1  1  2  4.25   478/1193  4.25  4.32  4.02  4.00  4.25


           Discussion
1. Did class discussions contribute to what you learned 6   0  0  0  0  1  0  4.00  ****/1172  ****  4.47  4.15  4.25  ****
2. Were all students actively encouraged to participate 6   0  0  0  0  1  0  4.00  ****/1182  ****  4.55  4.35  4.49  ****
3. Did the instructor encourage fair and open discussion 6  0  0  0  0  1  0  4.00  ****/1170  ****  4.50  4.38  4.51  ****

                                    Frequency Distribution

Credits Earned        Cum. GPA        Expected Grades        Reasons              Type              Majors
------------------------------------------------------------------------------------------------------------
  00-27      2       0.00-0.99    0      A    2       Required for Majors  4    Graduate     2      Major       5
  28-55      0       1.00-1.99    0      B    4
  56-83      0       2.00-2.99    0      C    0       General              0    Under-grad   5      Non-major   2
  84-150     0       3.00-3.49    0      D    0
  Grad.      2       3.50-4.00    1      F    0       Electives            2    #### - Means there are not enough
                                        P    0                                 responses to be significant
                                        I    0       Other                0
                                        ?    0
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Title        Senior Research - Hono             Baltimore County                         JUN 28, 2010
Instructor:  Hoff,Raymond M                     Spring 2010                              Job IRBR3029
Enrollment:     1
Questionnaires:  1                    Student Course Evaluation Questionnaire
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                                            Frequencies      Instructor   Course Dept  UMBC Level  Sect
                Questions                NR  NA  1  2  3  4  5  Mean    Rank     Mean  Mean  Mean  Mean  Mean
-------------------------------------------------------------------------------------------------------------
                General
1. Did you gain new insights,skills from this course   0   0   0  0  0  0  1  5.00   1/1447   5.00  4.64  4.31  4.43  5.00
2. Did the instructor make clear the expected goals    0   0   0  0  0  0  1  5.00   1/1447   5.00  4.47  4.27  4.31  5.00
6. Did written assignments contribute to what you learned  0   0   0  0  0  0  1  5.00   1/1316   5.00  4.47  4.14  4.27  5.00
8. How many times was class cancelled                  0   0   0  0  0  0  1  5.00   1/1447   5.00  4.85  4.69  4.72  5.00
9. How would you grade the overall teaching effectiveness  0   0   0  0  0  0  1  5.00   1/1434   5.00  4.30  4.10  4.17  5.00

                Seminar
1. Were assigned topics relevant to the announced theme   0   0   0  0  0  0  1  5.00   1/ 66   5.00  4.78  4.58  4.87  5.00
2. Was the instructor available for individual attention  0   0   0  0  0  0  1  5.00   1/ 62   5.00  5.00  4.56  4.80  5.00
3. Did research projects contribute to what you learned   0   0   0  0  0  0  1  5.00   1/ 58   5.00  5.00  4.41  4.59  5.00
4. Did presentations contribute to what you learned       0   0   0  0  0  0  1  5.00   1/ 65   5.00  5.00  4.42  4.55  5.00
5. Were criteria for grading made clear                   0   0   0  0  0  0  1  5.00   1/ 64   5.00  4.50  4.09  4.43  5.00
```

Frequency Distribution

```
Credits Earned          Cum. GPA          Expected Grades            Reasons                    Type                    Majors
-------------------------------------------------------------------------------------------------------------------------------
 00-27      0        0.00-0.99     0        A    0        Required for Majors   1    Graduate      0      Major        1
 28-55      0        1.00-1.99     0        B    1                                   
 56-83      0        2.00-2.99     0        C    0        General               0    Under-grad    1      Non-major    0
 84-150     0        3.00-3.49     0        D    0
 Grad.      0        3.50-4.00     0        F    0        Electives             0    #### - Means there are not enough
                                            P    0                                   responses to be significant
                                            I    0        Other                 0
                                            ?    0
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Course-Section: PHYS 607  01                University of Maryland                              Page 1133
Title      Electromag Waves/Radia             Baltimore County                            JUN 28, 2010
Instructor:   Kramer,Ivan                        Spring 2010                               Job IRBR3029
Enrollment:    10
Questionnaires:  10                   Student Course Evaluation Questionnaire


                                            Frequencies         Instructor    Course Dept  UMBC Level  Sect
                Questions                 NR  NA  1  2  3  4  5  Mean    Rank   Mean  Mean  Mean Mean  Mean
----------------------------------------------------------------------------------------------------------
              General
1. Did you gain new insights,skills from this course   0  0  0  0  4  5  1  3.70 1277/1447  3.70  4.64  4.31  4.46  3.70
2. Did the instructor make clear the expected goals    0  0  0  0  2  6  2  4.00 1053/1447  4.00  4.47  4.27  4.30  4.00
3. Did the exam questions reflect the expected goals   0  0  0  0  1  7  2  4.10  878/1241  4.10  4.50  4.33  4.38  4.10
4. Did other evaluations reflect the expected goals    0  2  0  0  2  3  3  4.13  891/1402  4.13  4.39  4.24  4.29  4.13
5. Did assigned readings contribute to what you learned 0  2  1  0  3  2  2  3.50 1170/1358  3.50  4.38  4.11  4.26  3.50
6. Did written assignments contribute to what you learned 0 3  0  0  2  2  3  4.14  719/1316  4.14  4.47  4.14  4.34  4.14
7. Was the grading system clearly explained            0  0  1  0  1  5  3  3.90 1077/1427  3.90  4.42  4.19  4.25  3.90
8. How many times was class cancelled                  0  0  0  0  0  0 10  5.00    1/1447  5.00  4.85  4.69  4.74  5.00
9. How would you grade the overall teaching effectiveness 1 1 0  0  2  5  1  3.88 1003/1434  3.88  4.30  4.10  4.21  3.88


              Lecture
1. Were the instructor's lectures well prepared        0  0  0  0  2  3  5  4.30 1000/1387  4.30  4.64  4.46  4.51  4.30
2. Did the instructor seem interested in the subject   0  0  0  0  0  6  4  4.40 1203/1387  4.40  4.87  4.73  4.81  4.40
3. Was lecture material presented and explained clearly 0 0  0  1  2  5  2  3.80 1174/1386  3.80  4.38  4.32  4.43  3.80
4. Did the lectures contribute to what you learned     0  0  1  0  2  7  0  3.50 1246/1380  3.50  4.46  4.32  4.38  3.50
5. Did audiovisual techniques enhance your understanding 0 9  0  1  0  0  0  2.00 ****/1193  ****  4.32  4.02  4.02  ****


              Discussion
1. Did class discussions contribute to what you learned 8 0  0  0  1  1  0  3.50 ****/1172  ****  4.47  4.15  4.32  ****
2. Were all students actively encouraged to participate 8 0  0  0  0  1  1  4.50 ****/1182  ****  4.55  4.35  4.46  ****
3. Did the instructor encourage fair and open discussion 8 0 0  0  0  1  1  4.50 ****/1170  ****  4.50  4.38  4.52  ****
4. Were special techniques successful                  8  1  1  0  0  0  0  1.00 ****/ 800  ****  4.52  4.06  4.10  ****


                                      Frequency Distribution

Credits Earned        Cum. GPA        Expected Grades          Reasons                 Type                   Majors
----------------------------------------------------------------------------------------------------------------------
 00-27      1       0.00-0.99    0      A    3       Required for Majors  9      Graduate     3       Major       5
 28-55      1       1.00-1.99    0      B    5                                                                    
 56-83      0       2.00-2.99    0      C    0       General              0      Under-grad   7       Non-major   5
 84-150     0       3.00-3.49    0      D    0
 Grad.      3       3.50-4.00    1      F    0       Electives            0      #### - Means there are not enough
                                        P    0                                  responses to be significant
                                        I    0       Other                0
                                        ?    1
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Course-Section: PHYS 610  01                 University of Maryland                          Page 1134
Title      Quantum Electronics                Baltimore County                            JUN 28, 2010
Instructor:   Shih,Yan-hua                    Spring 2010                                 Job IRBR3029
Enrollment:    2
Questionnaires:  2                   Student Course Evaluation Questionnaire

                                           Frequencies          Instructor   Course Dept  UMBC Level  Sect
              Questions                NR  NA  1   2   3   4   5  Mean   Rank   Mean Mean  Mean Mean  Mean
-----------------------------------------------------------------------------------------------------------
              General
1. Did you gain new insights,skills from this course   0   0   0   0   0   0   2  5.00    1/1447  5.00  4.64  4.31  4.46  5.00
2. Did the instructor make clear the expected goals    0   0   0   0   0   1   1  4.50  532/1447  4.50  4.47  4.27  4.30  4.50
3. Did the exam questions reflect the expected goals   0   0   0   0   0   0   2  5.00    1/1241  5.00  4.50  4.33  4.38  5.00
4. Did other evaluations reflect the expected goals    0   0   0   0   0   1   1  4.50  494/1402  4.50  4.39  4.24  4.29  4.50
5. Did assigned readings contribute to what you learned  0   0   0   0   0   0   2  5.00    1/1358  5.00  4.38  4.11  4.26  5.00
6. Did written assignments contribute to what you learned  0   0   0   0   0   0   2  5.00    1/1316  5.00  4.47  4.14  4.34  5.00
7. Was the grading system clearly explained            0   0   0   0   0   0   2  5.00    1/1427  5.00  4.42  4.19  4.25  5.00
8. How many times was class cancelled                  0   0   0   0   0   0   2  5.00    1/1447  5.00  4.85  4.69  4.74  5.00
9. How would you grade the overall teaching effectiveness  0   0   0   0   0   0   2  5.00    1/1434  5.00  4.30  4.10  4.21  5.00


              Lecture
1. Were the instructor's lectures well prepared        0   0   0   0   0   1   1  4.50  798/1387  4.50  4.64  4.46  4.51  4.50
2. Did the instructor seem interested in the subject   0   0   0   0   0   0   2  5.00    1/1387  5.00  4.87  4.73  4.81  5.00
3. Was lecture material presented and explained clearly  0   0   0   0   0   1   1  4.50  607/1386  4.50  4.38  4.32  4.43  4.50
4. Did the lectures contribute to what you learned     0   0   0   0   0   1   1  4.50  659/1380  4.50  4.46  4.32  4.38  4.50
5. Did audiovisual techniques enhance your understanding  0   1   0   0   1   0   0  3.00 1087/1193  3.00  4.32  4.02  4.02  3.00


              Discussion
1. Did class discussions contribute to what you learned  0   0   0   0   0   0   2  5.00    1/1172  5.00  4.47  4.15  4.32  5.00
2. Were all students actively encouraged to participate  0   0   0   0   0   0   2  5.00    1/1182  5.00  4.55  4.35  4.46  5.00
3. Did the instructor encourage fair and open discussion  0   0   0   0   0   0   2  5.00    1/1170  5.00  4.50  4.38  4.52  5.00
4. Were special techniques successful                  0   0   0   0   1   0   1  4.00  423/ 800  4.00  4.52  4.06  4.10  4.00

                                 Frequency Distribution

Credits Earned         Cum. GPA        Expected Grades           Reasons                 Type              Majors
-----------------------------------------------------------------------------------------------------------------
  00-27      0       0.00-0.99    0      A    2        Required for Majors   0      Graduate     2      Major        2
  28-55      0       1.00-1.99    0      B    0
  56-83      0       2.00-2.99    1      C    0        General               0      Under-grad   0      Non-major    0
  84-150     0       3.00-3.49    0      D    0
  Grad.      2       3.50-4.00    0      F    0        Electives             2      #### - Means there are not enough
                                         P    0                                     responses to be significant
                                         I    0        Other                 0
                                         ?    0
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Course-Section: PHYS 622  01                University of Maryland                        Page 1135
Title      Atmos Physics II                  Baltimore County                             JUN 28, 2010
Instructor:    McMillan,Willia Martins,Jose V.(Instr. A)    Spring 2010                   Job IRBR3029
Enrollment:    4
Questionnaires: 4                 Student Course Evaluation Questionnaire


                                            Frequencies        Instructor   Course Dept  UMBC Level Sect
             Questions                 NR  NA  1  2  3  4  5  Mean    Rank    Mean  Mean  Mean Mean Mean
--------------------------------------------------------------------------------------------------------
             General
1. Did you gain new insights,skills from this course   0   0  0  0  0  1  3  4.75  309/1447  4.75  4.64  4.31  4.46  4.75
2. Did the instructor make clear the expected goals    0   0  0  0  0  3  1  4.25  853/1447  4.25  4.47  4.27  4.30  4.25
3. Did the exam questions reflect the expected goals   0   0  0  0  0  3  1  4.25  782/1241  4.25  4.50  4.33  4.38  4.25
4. Did other evaluations reflect the expected goals    0   0  0  0  0  3  1  4.25  766/1402  4.25  4.39  4.24  4.29  4.25
5. Did assigned readings contribute to what you learned  0  1  0  0  0  1  2  4.67  237/1358  4.67  4.38  4.11  4.26  4.67
6. Did written assignments contribute to what you learned 0 1  0  0  0  1  2  4.67  239/1316  4.67  4.47  4.14  4.34  4.67
7. Was the grading system clearly explained            0   0  0  0  0  2  2  4.50  459/1427  4.50  4.42  4.19  4.25  4.50
8. How many times was class cancelled                  0   0  0  0  0  1  3  4.75  836/1447  4.75  4.85  4.69  4.74  4.75
9. How would you grade the overall teaching effectiveness 0 1  0  0  1  2  0  3.67 1150/1434  3.83  4.30  4.10  4.21  3.83


             Lecture
1. Were the instructor's lectures well prepared        0   0  0  0  0  2  2  4.50  798/1387  4.75  4.64  4.46  4.51  4.75
2. Did the instructor seem interested in the subject   0   0  0  0  0  0  4  5.00    1/1387  5.00  4.87  4.73  4.81  5.00
3. Was lecture material presented and explained clearly 0  0  0  0  0  3  1  4.25  879/1386  4.13  4.38  4.32  4.43  4.13
4. Did the lectures contribute to what you learned     0   0  0  0  0  2  2  4.50  659/1380  4.25  4.46  4.32  4.38  4.25
5. Did audiovisual techniques enhance your understanding 0 0  0  0  0  2  2  4.50  288/1193  4.75  4.32  4.02  4.02  4.75


             Discussion
1. Did class discussions contribute to what you learned 3  0  0  0  0  1  0  4.00  710/1172  4.00  4.47  4.15  4.32  4.00
2. Were all students actively encouraged to participate 3  0  0  0  0  1  0  4.00  856/1182  4.00  4.55  4.35  4.46  4.00
3. Did the instructor encourage fair and open discussion 3 0  0  0  0  1  0  4.00  864/1170  4.00  4.50  4.38  4.52  4.00

                                    Frequency Distribution


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

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Course-Section: PHYS 622  01                  University of Maryland                            Page 1136
Title         Atmos Physics II                Baltimore County                                JUN 28, 2010
Instructor:                    (Instr. B)     Spring 2010                                     Job IRBR3029
Enrollment:      4
Questionnaires:  4                   Student Course Evaluation Questionnaire


                                           Frequencies        Instructor   Course Dept  UMBC Level  Sect
                 Questions              NR  NA  1  2  3  4  5  Mean    Rank   Mean  Mean Mean Mean  Mean
------------------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course   0   0  0  0  0  1  3  4.75  309/1447  4.75  4.64 4.31 4.46  4.75
2. Did the instructor make clear the expected goals    0   0  0  0  0  3  1  4.25  853/1447  4.25  4.47 4.27 4.30  4.25
3. Did the exam questions reflect the expected goals   0   0  0  0  0  3  1  4.25  782/1241  4.25  4.50 4.33 4.38  4.25
4. Did other evaluations reflect the expected goals    0   0  0  0  0  3  1  4.25  766/1402  4.25  4.39 4.24 4.29  4.25
5. Did assigned readings contribute to what you learned 0   1  0  0  0  1  2  4.67  237/1358  4.67  4.38 4.11 4.26  4.67
6. Did written assignments contribute to what you learned 0  1  0  0  0  1  2  4.67  239/1316  4.67  4.47 4.14 4.34  4.67
7. Was the grading system clearly explained            0   0  0  0  0  2  2  4.50  459/1427  4.50  4.42 4.19 4.25  4.50
8. How many times was class cancelled                  0   0  0  0  0  1  3  4.75  836/1447  4.75  4.85 4.69 4.74  4.75
9. How would you grade the overall teaching effectiveness 3  0  0  0  0  1  0  4.00  849/1434  3.83  4.30 4.10 4.21  3.83


                 Lecture
1. Were the instructor's lectures well prepared        3   0  0  0  0  0  1  5.00    1/1387  4.75  4.64 4.46 4.51  4.75
2. Did the instructor seem interested in the subject   3   0  0  0  0  0  1  5.00    1/1387  5.00  4.87 4.73 4.81  5.00
3. Was lecture material presented and explained clearly 3   0  0  0  0  1  0  4.00 1047/1386  4.13  4.38 4.32 4.43  4.13
4. Did the lectures contribute to what you learned     3   0  0  0  0  1  0  4.00 1030/1380  4.25  4.46 4.32 4.38  4.25
5. Did audiovisual techniques enhance your understanding 3  0  0  0  0  0  1  5.00    1/1193  4.75  4.32 4.02 4.02  4.75


                 Discussion
1. Did class discussions contribute to what you learned 3   0  0  0  0  1  0  4.00  710/1172  4.00  4.47 4.15 4.32  4.00
2. Were all students actively encouraged to participate 3   0  0  0  0  1  0  4.00  856/1182  4.00  4.55 4.35 4.46  4.00
3. Did the instructor encourage fair and open discussion 3  0  0  0  0  1  0  4.00  864/1170  4.00  4.50 4.38 4.52  4.00


                                          Frequency Distribution


Credits Earned        Cum. GPA         Expected Grades         Reasons                Type              Majors
------------------------------------------------------------------------------------------------------------
  00-27      0        0.00-0.99    0      A   3         Required for Majors  4     Graduate      3     Major        0
  28-55      1        1.00-1.99    0      B   1
  56-83      0        2.00-2.99    0      C   0         General              0     Under-grad    1     Non-major    4
  84-150     0        3.00-3.49    0      D   0
  Grad.      3        3.50-4.00    0      F   0         Electives            0     #### - Means there are not enough
                                         P   0                                    responses to be significant
                                         I   0         Other                0
                                         ?   0
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Course-Section: PHYS 632  01                    University of Maryland                                    Page 1137
Title          The Physics Of Astrop             Baltimore County                                         JUN 28, 2010
Instructor:    Henriksen,Mark                    Spring 2010                                              Job IRBR3029
Enrollment:      5
Questionnaires:  5                       Student Course Evaluation Questionnaire
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                                                          Frequencies        Instructor   Course Dept  UMBC Level  Sect
                 Questions                          NR  NA  1   2   3   4   5  Mean    Rank   Mean  Mean  Mean Mean  Mean
------------------------------------------------------------------------------------------------------------------------

                 General
1. Did you gain new insights,skills from this course 0   0  0   0   2   0   3  4.20  927/1447  4.20  4.64  4.31  4.46  4.20
2. Did the instructor make clear the expected goals  0   0  0   0   2   0   3  4.20  911/1447  4.20  4.47  4.27  4.30  4.20
3. Did the exam questions reflect the expected goals 0   0  0   0   0   2   3  4.60  451/1241  4.60  4.50  4.33  4.38  4.60
4. Did other evaluations reflect the expected goals  0   1  0   0   1   0   3  4.50  494/1402  4.50  4.39  4.24  4.29  4.50
5. Did assigned readings contribute to what you learned 0 0 0   0   1   0   4  4.60  280/1358  4.60  4.38  4.11  4.26  4.60
6. Did written assignments contribute to what you learned 0 0 0 1   1   0   3  4.00  812/1316  4.00  4.47  4.14  4.34  4.00
7. Was the grading system clearly explained          0   0  0   0   1   0   4  4.60  337/1427  4.60  4.42  4.19  4.25  4.60
8. How many times was class cancelled                0   0  0   0   0   0   5  5.00    1/1447  5.00  4.85  4.69  4.74  5.00
9. How would you grade the overall teaching effectiveness 1 0 0 0  2   1   1  3.75 1088/1434  3.75  4.30  4.10  4.21  3.75


                 Lecture
1. Were the instructor's lectures well prepared      0   0  0   0   2   0   3  4.20 1085/1387  4.20  4.64  4.46  4.51  4.20
2. Did the instructor seem interested in the subject 0   0  0   0   0   0   5  5.00    1/1387  5.00  4.87  4.73  4.81  5.00
3. Was lecture material presented and explained clearly 0 0 0  1   1   0   3  4.00 1047/1386  4.00  4.38  4.32  4.43  4.00
4. Did the lectures contribute to what you learned   0   0  0   1   1   0   3  4.00 1030/1380  4.00  4.46  4.32  4.38  4.00
5. Did audiovisual techniques enhance your understanding 0 3 0 0  0   1   1  4.50  288/1193  4.50  4.32  4.02  4.02  4.50


                 Discussion
1. Did class discussions contribute to what you learned 4 0 0 0  0   1   0  4.00 ****/1172  ****  4.47  4.15  4.32  ****
2. Were all students actively encouraged to participate 4 0 0 0  0   0   1  5.00 ****/1182  ****  4.55  4.35  4.46  ****
3. Did the instructor encourage fair and open discussion 4 0 0 0 0   0   1  5.00 ****/1170  ****  4.50  4.38  4.52  ****
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Frequency Distribution

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

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Course-Section: PHYS 640  01                    University of Maryland                              Page 1138
Title          Computational Physics            Baltimore County                                  JUN 28, 2010
Instructor:    Lary,David J                     Spring 2010                                        Job IRBR3029
Enrollment:    13
Questionnaires: 9                        Student Course Evaluation Questionnaire
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                                                     Frequencies        Instructor   Course Dept  UMBC Level  Sect
                 Questions                     NR  NA  1  2  3  4   5  Mean    Rank    Mean  Mean  Mean Mean  Mean
------------------------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course    0   0  0  1  0  2   6  4.44   667/1447  4.44  4.64  4.31  4.46  4.44
2. Did the instructor make clear the expected goals     0   0  0  0  0  2   7  4.78   228/1447  4.78  4.47  4.27  4.30  4.78
3. Did the exam questions reflect the expected goals    0   4  0  0  0  2   3  4.60   451/1241  4.60  4.50  4.33  4.38  4.60
4. Did other evaluations reflect the expected goals     0   0  0  0  1  4   4  4.33   685/1402  4.33  4.39  4.24  4.29  4.33
5. Did assigned readings contribute to what you learned 0   0  0  1  1  2   5  4.22   635/1358  4.22  4.38  4.11  4.26  4.22
6. Did written assignments contribute to what you learned 0  2  0  0  0  1   6  4.86   102/1316  4.86  4.47  4.14  4.34  4.86
7. Was the grading system clearly explained             0   2  1  0  1  0   5  4.14   882/1427  4.14  4.42  4.19  4.25  4.14
8. How many times was class cancelled                   0   0  0  0  0  5   4  4.44  1124/1447  4.44  4.85  4.69  4.74  4.44
9. How would you grade the overall teaching effectiveness 1  0  0  0  0  6   2  4.25   634/1434  4.25  4.30  4.10  4.21  4.25


                 Lecture
1. Were the instructor's lectures well prepared         0   0  0  0  0  0   9  5.00     1/1387  5.00  4.64  4.46  4.51  5.00
2. Did the instructor seem interested in the subject    0   0  0  0  0  0   9  5.00     1/1387  5.00  4.87  4.73  4.81  5.00
3. Was lecture material presented and explained clearly 0   0  0  0  0  1   8  4.89   159/1386  4.89  4.38  4.32  4.43  4.89
4. Did the lectures contribute to what you learned      0   0  0  1  0  1   7  4.56   604/1380  4.56  4.46  4.32  4.38  4.56
5. Did audiovisual techniques enhance your understanding 0  0  0  0  0  3   6  4.67   186/1193  4.67  4.32  4.02  4.02  4.67


                 Discussion
1. Did class discussions contribute to what you learned 4   0  0  0  0  4   1  4.20   619/1172  4.20  4.47  4.15  4.32  4.20
2. Were all students actively encouraged to participate 5   0  0  0  1  1   2  4.25   737/1182  4.25  4.55  4.35  4.46  4.25
3. Did the instructor encourage fair and open discussion 5  0  0  0  0  1   3  4.75   390/1170  4.75  4.50  4.38  4.52  4.75
4. Were special techniques successful                   5   2  0  0  0  2   0  4.00   ****/ 800  ****  4.52  4.06  4.10  ****
```

```
                                            Frequency Distribution

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

```
Course-Section: PHYS 650  08                      University of Maryland                                    Page 1139
Title          Special Topics                       Baltimore County                                       JUN 28, 2010
Instructor:    George,Ian M                          Spring 2010                                           Job IRBR3029
Enrollment:    2
Questionnaires: 2                        Student Course Evaluation Questionnaire
```

```
                                                    Frequencies          Instructor   Course Dept  UMBC Level  Sect
                Questions                    NR  NA  1   2   3   4   5  Mean    Rank    Mean  Mean  Mean Mean  Mean
------------------------------------------------------------------------------------------------------------------------
                General
1. Did you gain new insights,skills from this course  0   0   0   0   0   0   2  5.00    1/1447   5.00  4.64  4.31 4.46  5.00
2. Did the instructor make clear the expected goals   0   0   0   0   0   0   2  5.00    1/1447   5.00  4.47  4.27 4.30  5.00
3. Did the exam questions reflect the expected goals  0   1   0   0   0   0   1  5.00    1/1241   5.00  4.50  4.33 4.38  5.00
4. Did other evaluations reflect the expected goals   0   0   0   0   0   0   2  5.00    1/1402   5.00  4.39  4.24 4.29  5.00
5. Did assigned readings contribute to what you learned 0  1   0   0   0   0   1  5.00    1/1358   5.00  4.38  4.11 4.26  5.00
6. Did written assignments contribute to what you learned 0 0  0   0   0   0   2  5.00    1/1316   5.00  4.47  4.14 4.34  5.00
7. Was the grading system clearly explained           0   1   0   0   0   0   1  5.00    1/1427   5.00  4.42  4.19 4.25  5.00
8. How many times was class cancelled                 0   0   0   0   0   2   0  4.00  1361/1447   4.00  4.85  4.69 4.74  4.00
9. How would you grade the overall teaching effectiveness 1 0  0   0   0   0   1  5.00    1/1434   5.00  4.30  4.10 4.21  5.00


                Lecture
1. Were the instructor's lectures well prepared       0   0   0   0   0   1   1  4.50   798/1387   4.50  4.64  4.46 4.51  4.50
2. Did the instructor seem interested in the subject  0   0   0   0   0   0   2  5.00    1/1387   5.00  4.87  4.73 4.81  5.00
3. Was lecture material presented and explained clearly 0  0   0   0   0   0   2  5.00    1/1386   5.00  4.38  4.32 4.43  5.00
4. Did the lectures contribute to what you learned    0   0   0   0   0   0   2  5.00    1/1380   5.00  4.46  4.32 4.38  5.00
5. Did audiovisual techniques enhance your understanding 0 0  0   0   0   0   2  5.00    1/1193   5.00  4.32  4.02 4.02  5.00


                Discussion
1. Did class discussions contribute to what you learned 1  0   0   0   0   0   1  5.00    1/1172   5.00  4.47  4.15 4.32  5.00
2. Were all students actively encouraged to participate 1  0   0   0   0   0   1  5.00    1/1182   5.00  4.55  4.35 4.46  5.00
3. Did the instructor encourage fair and open discussion 1 0  0   0   0   0   1  5.00    1/1170   5.00  4.50  4.38 4.52  5.00
```

Frequency Distribution

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

```
Course-Section: PHYS 698  01                    University of Maryland                              Page 1140
Title         Physics Seminar                     Baltimore County                                 JUN 28, 2010
Instructor:   Franson,James D                       Spring 2010                                    Job IRBR3029
Enrollment:      16
Questionnaires:   5                     Student Course Evaluation Questionnaire


                                                 Frequencies      Instructor   Course Dept  UMBC Level  Sect
                 Questions                 NR  NA  1  2  3  4  5  Mean    Rank   Mean  Mean  Mean Mean  Mean
-------------------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course   0   0  0  0  1  2  2  4.20   927/1447  4.20  4.64  4.31  4.46  4.20
2. Did the instructor make clear the expected goals    0   0  1  0  0  0  4  4.20   911/1447  4.20  4.47  4.27  4.30  4.20
4. Did other evaluations reflect the expected goals    0   3  0  0  1  1  0  3.50  1264/1402  3.50  4.39  4.24  4.29  3.50
6. Did written assignments contribute to what you learned  1   0  0  0  1  1  2  4.25   617/1316  4.25  4.47  4.14  4.34  4.25
7. Was the grading system clearly explained            0   1  0  0  0  0  4  5.00     1/1427  5.00  4.42  4.19  4.25  5.00
8. How many times was class cancelled                  0   0  0  0  0  0  5  5.00     1/1447  5.00  4.85  4.69  4.74  5.00
9. How would you grade the overall teaching effectiveness  2   0  0  0  0  1  2  4.67   230/1434  4.67  4.30  4.10  4.21  4.67

                 Seminar
1. Were assigned topics relevant to the announced theme   2   0  0  0  1  0  2  4.33    55/ 66  4.33  4.78  4.58  4.71  4.33
2. Was the instructor available for individual attention  2   2  0  0  1  0  0  3.00  ****/ 62  ****  5.00  4.56  4.69  ****
4. Did presentations contribute to what you learned       2   1  0  0  0  0  2  5.00     1/ 65  5.00  5.00  4.42  4.64  5.00
5. Were criteria for grading made clear                   2   2  0  0  0  0  1  5.00  ****/ 64  ****  4.50  4.09  4.18  ****

                                      Frequency Distribution

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

```
Course-Section: PHYS 701  01                University of Maryland                         Page 1141
Title        Quantum Mechanics II              Baltimore County                         JUN 28, 2010
Instructor:  Franson,James D                   Spring 2010                              Job IRBR3029
Enrollment:     5
Questionnaires:  5                 Student Course Evaluation Questionnaire


                                         Frequencies        Instructor   Course Dept  UMBC Level  Sect
             Questions                NR  NA  1  2  3  4  5  Mean   Rank   Mean  Mean  Mean Mean  Mean
--------------------------------------------------------------------------------------------------------
             General
1. Did you gain new insights,skills from this course     0   0  0  0  0  3  2  4.40   723/1447  4.40  4.64  4.31  4.46  4.40
2. Did the instructor make clear the expected goals      0   0  0  0  0  4  1  4.20   911/1447  4.20  4.47  4.27  4.30  4.20
3. Did the exam questions reflect the expected goals     0   0  0  0  0  2  3  4.60   451/1241  4.60  4.50  4.33  4.38  4.60
4. Did other evaluations reflect the expected goals      0   1  0  0  1  1  2  4.25   766/1402  4.25  4.39  4.24  4.29  4.25
5. Did assigned readings contribute to what you learned  0   1  0  0  1  0  3  4.50   345/1358  4.50  4.38  4.11  4.26  4.50
6. Did written assignments contribute to what you learned 0  1  0  0  1  1  2  4.25   617/1316  4.25  4.47  4.14  4.34  4.25
7. Was the grading system clearly explained              0   0  0  0  0  2  3  4.60   337/1427  4.60  4.42  4.19  4.25  4.60
8. How many times was class cancelled                    0   0  0  0  0  3  2  4.40  1155/1447  4.40  4.85  4.69  4.74  4.40
9. How would you grade the overall teaching effectiveness 1  0  0  0  0  2  2  4.50   341/1434  4.50  4.30  4.10  4.21  4.50


             Lecture
1. Were the instructor's lectures well prepared          0   0  0  0  0  0  5  5.00     1/1387  5.00  4.64  4.46  4.51  5.00
2. Did the instructor seem interested in the subject     0   0  0  0  0  0  5  5.00     1/1387  5.00  4.87  4.73  4.81  5.00
3. Was lecture material presented and explained clearly  0   0  0  0  0  3  2  4.40   748/1386  4.40  4.38  4.32  4.43  4.40
4. Did the lectures contribute to what you learned       0   0  0  0  0  1  4  4.80   273/1380  4.80  4.46  4.32  4.38  4.80
5. Did audiovisual techniques enhance your understanding 0   3  1  0  0  0  1  3.00  1087/1193  3.00  4.32  4.02  4.02  3.00


                                      Frequency Distribution

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

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                                                    Frequencies        Instructor   Course Dept  UMBC Level  Sect
              Questions                    NR  NA   1   2   3   4   5  Mean   Rank    Mean Mean   Mean Mean  Mean
-----------------------------------------------------------------------------------------------------------------
              General
1. Did you gain new insights,skills from this course  0   0   0   0   0   0   3  5.00    1/1447   5.00 4.64   4.31 4.46  5.00
2. Did the instructor make clear the expected goals   0   0   0   0   0   0   3  5.00    1/1447   5.00 4.47   4.27 4.30  5.00
3. Did the exam questions reflect the expected goals  0   0   0   0   0   0   3  5.00    1/1241   5.00 4.50   4.33 4.38  5.00
4. Did other evaluations reflect the expected goals   0   0   0   0   0   0   3  5.00    1/1402   5.00 4.39   4.24 4.29  5.00
5. Did assigned readings contribute to what you learned 0 0   0   0   0   0   3  5.00    1/1358   5.00 4.38   4.11 4.26  5.00
6. Did written assignments contribute to what you learned 0 0 0   0   0   0   3  5.00    1/1316   5.00 4.47   4.14 4.34  5.00
7. Was the grading system clearly explained           0   0   0   0   0   3   0  4.00  971/1427   4.00 4.42   4.19 4.25  4.00
8. How many times was class cancelled                 0   0   0   0   0   0   3  5.00    1/1447   5.00 4.85   4.69 4.74  5.00
9. How would you grade the overall teaching effectiveness 1 0 0  0   0   1   1  4.50  341/1434   4.50 4.30   4.10 4.21  4.50

              Lecture
1. Were the instructor's lectures well prepared       0   0   0   0   0   0   3  5.00    1/1387   5.00 4.64   4.46 4.51  5.00
2. Did the instructor seem interested in the subject  0   0   0   0   0   0   3  5.00    1/1387   5.00 4.87   4.73 4.81  5.00
3. Was lecture material presented and explained clearly 0 0   0   0   0   1   2  4.67  431/1386   4.67 4.38   4.32 4.43  4.67
4. Did the lectures contribute to what you learned    0   0   0   0   0   0   3  5.00    1/1380   5.00 4.46   4.32 4.38  5.00
5. Did audiovisual techniques enhance your understanding 0 0  0   0   0   1   2  4.67  186/1193   4.67 4.32   4.02 4.02  4.67

              Discussion
1. Did class discussions contribute to what you learned 1 0   0   0   0   0   2  5.00    1/1172   5.00 4.47   4.15 4.32  5.00
2. Were all students actively encouraged to participate 1 0   0   0   0   0   2  5.00    1/1182   5.00 4.55   4.35 4.46  5.00
3. Did the instructor encourage fair and open discussion 1 0  0   0   0   0   2  5.00    1/1170   5.00 4.50   4.38 4.52  5.00
4. Were special techniques successful                 1   1   0   0   0   0   1  5.00    1/ 800   5.00 4.52   4.06 4.10  5.00

              Seminar
1. Were assigned topics relevant to the announced theme 2 0   0   0   0   0   1  5.00    1/  66   5.00 4.78   4.58 4.71  5.00
2. Was the instructor available for individual attention 2 0  0   0   0   0   1  5.00    1/  62   5.00 5.00   4.56 4.69  5.00
3. Did research projects contribute to what you learned 2 0   0   0   0   0   1  5.00    1/  58   5.00 5.00   4.41 4.75  5.00
4. Did presentations contribute to what you learned   2   0   0   0   0   0   1  5.00    1/  65   5.00 5.00   4.42 4.64  5.00
5. Were criteria for grading made clear               2   0   0   0   0   1   0  4.00   36/  64   4.00 4.50   4.09 4.18  4.00
```

                              Frequency Distribution

```
Credits Earned         Cum. GPA          Expected Grades          Reasons                 Type                 Majors
-------------------------------------------------------------------------------------------------------------------------
00-27      0        0.00-0.99     0       A    0       Required for Majors   2     Graduate      2     Major         0
28-55      1        1.00-1.99     0       B    2
56-83      0        2.00-2.99     0       C    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     2       F    0       Electives             0     #### - Means there are not enough
                                         P    0                                    responses to be significant
                                         I    0       Other                 0
                                         ?    0
```

```
                                                Frequencies        Instructor   Course Dept  UMBC Level  Sect
                 Questions                 NR  NA  1  2  3  4  5  Mean  Rank    Mean  Mean  Mean  Mean  Mean
-------------------------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course   0   0  0  0  0  0  1  5.00  1/1447  5.00  4.64  4.31  4.46  5.00
2. Did the instructor make clear the expected goals    0   0  0  0  0  0  1  5.00  1/1447  4.69  4.47  4.27  4.30  5.00
3. Did the exam questions reflect the expected goals   0   0  0  0  0  0  1  5.00  1/1241  5.00  4.50  4.33  4.38  5.00
4. Did other evaluations reflect the expected goals    0   0  0  0  0  0  1  5.00  1/1402  5.00  4.39  4.24  4.29  5.00
7. Was the grading system clearly explained            0   0  0  0  0  0  1  5.00  1/1427  5.00  4.42  4.19  4.25  5.00
8. How many times was class cancelled                  0   0  0  0  0  0  1  5.00  1/1447  5.00  4.85  4.69  4.74  5.00
9. How would you grade the overall teaching effectiveness  0   0  0  0  0  0  1  5.00  1/1434  4.67  4.30  4.10  4.21  5.00


                 Lecture
1. Were the instructor's lectures well prepared        0   0  0  0  0  0  1  5.00  1/1387  5.00  4.64  4.46  4.51  5.00
2. Did the instructor seem interested in the subject   0   0  0  0  0  0  1  5.00  1/1387  5.00  4.87  4.73  4.81  5.00
3. Was lecture material presented and explained clearly  0   0  0  0  0  0  1  5.00  1/1386  5.00  4.38  4.32  4.43  5.00
4. Did the lectures contribute to what you learned     0   0  0  0  0  0  1  5.00  1/1380  5.00  4.46  4.32  4.38  5.00


                 Discussion
1. Did class discussions contribute to what you learned  0   0  0  0  0  0  1  5.00  1/1172  5.00  4.47  4.15  4.32  5.00
2. Were all students actively encouraged to participate  0   0  0  0  0  0  1  5.00  1/1182  5.00  4.55  4.35  4.46  5.00
3. Did the instructor encourage fair and open discussion  0   0  0  0  0  0  1  5.00  1/1170  5.00  4.50  4.38  4.52  5.00
4. Were special techniques successful                  0   0  0  0  0  0  1  5.00  1/ 800  5.00  4.52  4.06  4.10  5.00
```

                                         Frequency Distribution

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

```
Course-Section: PHYS 898  10                University of Maryland                                  Page 1144
Title        Pre Candidacy Doc Rsch            Baltimore County                                     JUN 28, 2010
Instructor:  Shih,Yan-hua                      Spring 2010                                          Job IRBR3029
Enrollment:      1
Questionnaires:  1                    Student Course Evaluation Questionnaire


                                              Frequencies      Instructor   Course Dept  UMBC Level  Sect
                 Questions                NR  NA  1  2  3  4  5  Mean    Rank     Mean  Mean  Mean  Mean  Mean
-------------------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course    0   0  0  0  0  0  1  5.00    1/1447   5.00  4.64  4.31  4.46  5.00
2. Did the instructor make clear the expected goals     0   0  0  0  0  1  0  4.00 1053/1447   4.69  4.47  4.27  4.30  4.00
4. Did other evaluations reflect the expected goals     0   0  0  0  0  0  1  5.00    1/1402   5.00  4.39  4.24  4.29  5.00
6. Did written assignments contribute to what you learned 0 0  0  0  0  0  1  5.00    1/1316   5.00  4.47  4.14  4.34  5.00
8. How many times was class cancelled                   0   0  0  0  0  0  1  5.00    1/1447   5.00  4.85  4.69  4.74  5.00


                 Discussion
1. Did class discussions contribute to what you learned 0   0  0  0  0  0  1  5.00    1/1172   5.00  4.47  4.15  4.32  5.00
2. Were all students actively encouraged to participate 0   0  0  0  0  0  1  5.00    1/1182   5.00  4.55  4.35  4.46  5.00
3. Did the instructor encourage fair and open discussion 0  0  0  0  0  0  1  5.00    1/1170   5.00  4.50  4.38  4.52  5.00


                 Laboratory
1. Did the lab increase understanding of the material   0   0  0  0  0  0  1  5.00    1/ 189   5.00  4.21  4.34  4.82  5.00
2. Were you provided with adequate background information 0  0  0  0  0  0  1  5.00    1/ 192   5.00  4.35  4.34  4.79  5.00
3. Were necessary materials available for lab activities 0  0  0  0  0  1  0  4.00  160/ 186   4.00  4.38  4.48  4.73  4.00
4. Did the lab instructor provide assistance            0   0  0  0  0  0  1  5.00    1/ 187   5.00  4.46  4.33  4.67  5.00


                 Self  Paced
1. Did self-paced system contribute to what you learned 0   0  0  0  0  0  1  5.00    1/  31   5.00  5.00  4.72  4.85  5.00
3. Were your contacts with the instructor helpful       0   0  0  0  0  1  0  4.00   26/  31   4.50  4.50  4.64  4.59  4.00

                                    Frequency Distribution


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

```
                                                     Frequencies        Instructor   Course Dept  UMBC Level  Sect
                Questions                    NR  NA   1   2   3   4   5  Mean   Rank   Mean  Mean  Mean Mean  Mean
-----------------------------------------------------------------------------------------------------------------------

                General
1. Did you gain new insights,skills from this course   0   0   0   0   0   0   4  5.00    1/1447   5.00  4.64  4.31 4.46  5.00
2. Did the instructor make clear the expected goals    0   0   0   0   0   1   3  4.75  249/1447   4.69  4.47  4.27 4.30  4.75
3. Did the exam questions reflect the expected goals   0   2   0   0   0   0   2  5.00    1/1241   5.00  4.50  4.33 4.38  5.00
4. Did other evaluations reflect the expected goals    0   0   0   0   0   0   4  5.00    1/1402   5.00  4.39  4.24 4.29  5.00
5. Did assigned readings contribute to what you learned 0  1   0   0   0   0   3  5.00    1/1358   5.00  4.38  4.11 4.26  5.00
6. Did written assignments contribute to what you learned 0 0  0   0   0   0   4  5.00    1/1316   5.00  4.47  4.14 4.34  5.00
7. Was the grading system clearly explained            0   3   0   0   0   0   1  5.00    1/1427   5.00  4.42  4.19 4.25  5.00
8. How many times was class cancelled                  0   0   0   0   0   0   4  5.00    1/1447   5.00  4.85  4.69 4.74  5.00
9. How would you grade the overall teaching effectiveness 0 0  0   0   0   0   4  5.00    1/1434   4.67  4.30  4.10 4.21  5.00


                Lecture
1. Were the instructor's lectures well prepared        2   0   0   0   0   0   2  5.00    1/1387   5.00  4.64  4.46 4.51  5.00
2. Did the instructor seem interested in the subject   1   0   0   0   0   0   3  5.00    1/1387   5.00  4.87  4.73 4.81  5.00
3. Was lecture material presented and explained clearly 2  0   0   0   0   0   2  5.00    1/1386   5.00  4.38  4.32 4.43  5.00
4. Did the lectures contribute to what you learned     2   0   0   0   0   0   2  5.00    1/1380   5.00  4.46  4.32 4.38  5.00
5. Did audiovisual techniques enhance your understanding 2 0  0   0   0   0   2  5.00    1/1193   5.00  4.32  4.02 4.02  5.00


                Discussion
1. Did class discussions contribute to what you learned 2  0   0   0   0   0   2  5.00    1/1172   5.00  4.47  4.15 4.32  5.00
2. Were all students actively encouraged to participate 2  0   0   0   0   0   2  5.00    1/1182   5.00  4.55  4.35 4.46  5.00
3. Did the instructor encourage fair and open discussion 2 0  0   0   0   0   2  5.00    1/1170   5.00  4.50  4.38 4.52  5.00
4. Were special techniques successful                  2   0   0   0   0   0   2  5.00    1/ 800   5.00  4.52  4.06 4.10  5.00

                Self  Paced
1. Did self-paced system contribute to what you learned 3  0   0   0   0   0   1  5.00    1/  31   5.00  5.00  4.72 4.85  5.00
2. Did study questions make clear the expected goal    3   0   0   0   0   1   0  4.00   17/  21   4.00  4.00  4.57 4.65  4.00
3. Were your contacts with the instructor helpful      3   0   0   0   0   0   1  5.00    1/  31   4.50  4.50  4.64 4.59  5.00
4. Was the feedback/tutoring by proctors helpful       3   0   0   0   0   0   1  5.00    1/  20   5.00  5.00  4.60 4.56  5.00
5. Were there enough proctors for all the students     3   0   0   0   0   1   0  4.00   13/  15   4.00  4.00  4.61 4.80  4.00
```

Frequency Distribution

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

```
                                                      Frequencies        Instructor    Course Dept  UMBC Level  Sect
                 Questions                   NR  NA   1   2   3   4   5  Mean   Rank     Mean  Mean  Mean  Mean  Mean
--------------------------------------------------------------------------------------------------------------------
                 General
1. Did you gain new insights,skills from this course   0   0   0   0   0   0   1  5.00   1/1447   5.00  4.64  4.31  4.46  5.00
2. Did the instructor make clear the expected goals    0   0   0   0   0   0   1  5.00   1/1447   4.69  4.47  4.27  4.30  5.00
3. Did the exam questions reflect the expected goals   0   0   0   0   0   0   1  5.00   1/1241   5.00  4.50  4.33  4.38  5.00
4. Did other evaluations reflect the expected goals    0   0   0   0   0   0   1  5.00   1/1402   5.00  4.39  4.24  4.29  5.00
5. Did assigned readings contribute to what you learned 0   0   0   0   0   0   1  5.00   1/1358   5.00  4.38  4.11  4.26  5.00
6. Did written assignments contribute to what you learned 0  0   0   0   0   0   1  5.00   1/1316   5.00  4.47  4.14  4.34  5.00
7. Was the grading system clearly explained            0   0   0   0   0   0   1  5.00   1/1427   5.00  4.42  4.19  4.25  5.00
8. How many times was class cancelled                  0   0   0   0   0   0   1  5.00   1/1447   5.00  4.85  4.69  4.74  5.00
9. How would you grade the overall teaching effectiveness 0 0   0   0   0   1   0  4.00  849/1434  4.67  4.30  4.10  4.21  4.00
```

                                     Frequency Distribution

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

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Course-Section: PHYS 898  22              University of Maryland                              Page 1147
Title          Pre Candidacy Doc Rsch        Baltimore County                               JUN 28, 2010
Instructor:    Georganopoulos,                  Spring 2010                                 Job IRBR3029
Enrollment:     2
Questionnaires: 2                    Student Course Evaluation Questionnaire

                                          Frequencies       Instructor   Course Dept  UMBC Level  Sect
                  Questions          NR  NA  1  2  3  4  5  Mean   Rank   Mean  Mean   Mean Mean  Mean
---------------------------------------------------------------------------------------------------------

                                        Frequency Distribution


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