Course Name and Number: \_\_General Physics I PhysV03B\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_8/13/10\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Faculty Participating in Meeting: \_

Dr. Steve Quon, Dave Doreo\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Student Learning Outcome: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Component | A / Excellent | B / Good | C / Satisfactory | D / Below Satisfactory |
| Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical electricity and magnetism, sound, classical optics, quantum physics, atomic and nuclear physics | Assess student implementation through question & answer, working group discussion, exams, and tutorial problems  (A =100%-90%) | Assess student implementation through question & answer, working group discussion, exams, and tutorial problems  (B = 89%-80%) | Assess student implementation through question & answer, working group discussion, exams, and tutorial problems  (C = 79%-65%) | Assess student implementation through question & answer, working group discussion, exams, and tutorial problems  (D < 55%) |
| Approach problems by choosing from variety of mathematical techniques | Assess student implementation through question & answer, working group discussion, exams, and tutorial problems  (A =100%-90%) | Assess student implementation through question & answer, working group discussion, exams, and tutorial problems  (B = 89%-80%) | Assess student implementation through question & answer, working group discussion, exams, and tutorial problems  (C = 79%-65%) | Assess student implementation through question & answer, working group discussion, exams, and tutorial problems  (D < 55%) |
| Defend a logical hypothesis to explain observed phenomenon | Assess special project assignments through graded classroom presentation  (A =100%-90%) | Assess special project assignments through graded classroom presentation  (B = 89%-80%) | Assess special project assignments through graded classroom presentation  (B = 89%-80%) | Assess special project assignments through graded classroom presentation  (D < 55%) |
| Recognize a problem and devise and implement a plan of action | Assess problem solving of homework assignments by classroom participation and written solution of problems  (A =100%-90%) | Assess problem solving of homework assignments by classroom participation and written solution of problems  (B = 89%-80%) | Assess problem solving of homework assignments by classroom participation and written solution of problems  (B = 89%-80%) | Assess problem solving of homework assignments by classroom participation and written solution of problems  (D < 55%) |