May 12, 2010

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**Physics 103 and 104 Conversion to semesters**

Presently 5 QCH GEC courses meeting 1hr L and 2 2hr Recitations, with 103 a prereq of 104

Each course converting to a 3 SCH GEC course meeting 2 80min class (lecture/ recitation)/wk.

103 becomes 1103 with ~same content as before but regrouped into the shorter class sessions.

   Topics: World of Energy: Forces, Electricity, Magnetism, Machines

104 becomes 1104 with ~same content as before but regrouped into the shorter class sessions.

   Topics: World of Energy: Light, Thermodynamics, Energy Sources

1104 would be modified so as to not require 1103 as a prereq

Semesters offered: 1103 in Au and Su, 1104 in Sp

**Physics 106, 107, 108 Conversion to semesters**

Presently 5 QCH GEC courses meeting 2 3hr classes with a lab component, any combination of two of these courses considered a GEC sequence but none were a prereq for another. Required or recommended by numerous programs for students preparing for a teaching career.

The 3 quarter courses to be combined into two 5 SCH GEC lab courses each meeting 2 3hr classes with a lab component (perhaps two combined 80min classes TWICE a week [Inquiry instruction is combination of 2 parts lecture/recitation, 1 part lab] so this equates to 2 SCH of lecture, 2 SCH of recitation, and 1 SCH of lab). Each course could be taken independently.

106 and part of 107 becomes 1106.

   Topics: Physics by Inquiry: Properties of Matter, Heat and Temperature, and Forces and Motion

108 and part of 107 becomes 1107.

   Topics: Physics by Inquiry: Circuits, Light and Optics, and Astronomy

Semesters offered: 1106 in Au and Su, 1107 in Sp
Physics 109 conversion to semesters

Presently 4 QCH course (NOT GEC) but likely not quite at remedial level either, just a course to prepare students with no/weak prior physics instruction prior to their taking an intro sequence.

80% of content could be delivered in a 2 SCH course with 2 55min lectures/week:

109 becomes 1199 (? Would like to separate # from GEC set but avoid going to 12xx course).

Topics: Preparation for Physics: Elementary concepts and math methods for mechanics

Semesters offered: Au (maybe Maymester?)

Physics 110 Conversion to semesters

Presently 5 QCH GEC courses meeting 5 1hr Lectures

Converted to 3 SCH GEC course meeting 3 55min lectures/week:

110 becomes 1110 with ~same content as before. Some have interest to add a lab to this course, but not immediately.

Topics: Physics of Sports

Semesters offered: Sp (possibly Au if enrollment continues to grow)

Physics 161 and 162 Conversion to semesters

We haven’t taught these in recent years due to declining enrollments. I vote we let it die. Were it to be regenerated I would think it at best a one semester course which would likely be claimed a major job by someone but then it would have to compete with development of other (more) popular GEC candidates such as ‘How Things Work’. Hence, I think it is dead.

Physics 367 Conversion to semesters

Presently 5 QCH GEC second writing course meeting 5 1hr lectures. Assume it has continued life under semesters and seems to be defined to be 3 SCH under semesters.

367 becomes 2367 with ~same content as before.

Topics: Uses of Science in Solving Problems of Society

Semesters offered: Au