PHYS 105 - ANALYTIC MECHANICS (4 UNITS)

(Taken from the UC Berkeley Course Guide (http://guide.berkeley.edu))

COURSE OVERVIEW

SUMMARY

Newtonian mechanics, motion of a particle in one, two, and three dimensions, Larange's equations, Hamilton's equations, central force motion, moving coordinate systems, mechanics of continuous media, oscillations, normal modes, rigid body dynamics, tensor analysis techniques.

PREREQUISITES

PHYS 7A (phys7a.html), PHYS 7B (phys7b.html), PHYS 7C (phys7c.html)

WORKLOAD

TIME COMMITMENT

3 hours of lecture and 1 hour of discussion per week.

COLLEGE OF CHEMISTRY PEER SERVICES

Made by Angela Lee, c/o 2019

(https://w(https://twitter.com/CalChem_PS)keley?y.edu/ugrad/curr

lang=en) students/peer-

advising