

STUDY GUIDES

SPH 201: MECHANICS II

COURSE INSTRUCTOR - DR. NYONGESA F. W.,
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COURSE OBJECTIVES

At the end of this course, the learner should be able to:

1. Explain Simple Harmonic Motion, the various types of harmonic oscillators and their applications.
2. Explain gravitation and apply Newton's Law of Gravitation to solve problems relating to planetary motion.
3. Explain the limitations in Newton's Law of Gravitation and Newton's Laws of motion.
4. Introduce Relativistic concepts to describe motion in circumstances where Newtonian mechanics is insufficient.

REFERENCE MATERIALS

1. RESNICK R., HALLIDAY D., Physics. (Available in Chiromo and KSC Library)
2. OHANIAN H. C., Principles of Physics. (Available in Chiromo and KSC Library)
3. Powerpoint Lecture slides are posted on my profile

COURSE ETHICS

1. Attend at least 2/3 of the lectures as required by the regulations
2. No credit for late Tutorial sets.
3. Use of CELL PHONES, IPODs during lectures is not allowed