

COURSE CODE: ENGPYHS

COURSE TITLE: Physics Fundamentals for Engineering Majors 1

DEPARTMENT: Physics

TEXTBOOK: Young, H. and Freedman, R. (15<sup>th</sup> Edition). University physics with Modern Physics. Pearson.

READING LIST:

- Young , H. and Freedman, R. (15<sup>th</sup> edition). University Physics with Modern Physics + Mastering Physics with eText access card. Pearson.
- Serway, Raymond A., & Jewett, John W., (Latest Edition), Physics for Scientists and Engineers. CENGAGE Learning.
- Halliday, D., Resnick, R: and Walker J. (Latest Edition). Fundamentals of physics. New York: John Wiley and Sons.
- Jones, E., Childers, R. (Latest Edition), Contemporary college physics. Boston: Mc-Graw Hill Companies, Inc.
- Knight, Randall. Jones, Bryan, et al. (Latest edition). College Physics: A Strategic Approach. Pearson.

REQUISITE EQUIPMENT/MATERIALS FOR THE COURSE:

- (CANVAS) (Canvas) IVLE, Integrated Virtual Learning Environment, is DLSU's resource for course materials.
- “Mastering Physics | Pearson.” [Online]. Available: <https://www.pearsonmylabandmastering.com/northamerica/masteringphysics/>  
Access code for Mastering Physics (two years validity) – Php1080; Mind Mover Publishing House Inc.
- K. Perkins and C. Wieman, “Physics - PhET Simulations,” University of Colorado - Boulder, 2017. [Online]. Available: <https://phet.colorado.edu/en/simulations/category/physics>.
- W. Christian and M. Belloni, “Physlet Physics 3E,” 2013. [Online]. Accessible at <https://www.compadre.org/Physlets/mechanics/l>.
- A. Duffy, “Physics Simulations”, Boston University, [Online]. <http://physics.bu.edu/~duffy/classroom.html>.
- The President and Fellows of Harvard College (2021). Labchange. <https://www.labxchange.org/>