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Code	Subject Title	Cr. Hrs	Semester
PHY-121	Mechanics and Wave Motion (IT)	3	I
Year	Discipline		
1	Information Technology		

To teach students calculus based general physics by way of learning about the following topics in depth: Measurement and vectors, Motion in one, two and three dimensions, Newton's laws of motions, Work and energy principles, Laws of conservation of momentum and energy, One- and two-dimensional collisions, Rotational kinematics and dynamics, Conservation of angular momentum, Gravitation, Oscillations and waves.

**Textbook**

1. Resnick, Halliday and Krane, *Physics*, vol. 1. ISBN: 978-0-471-32057-9

**Recommended Book**

1. University Physics, vol. 1, by Sears and Zemansky, ISBN-10: 0201603365
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