CIV1103 Statics and Dynamics for Civil Engineers

Hours per Semester				Weighted Total Mark	Weighted Exam Mark	Weighted Continuous Assessment Mark	Credit Units
LH	PH	TH	CH	WTM	WEM	WCM	CU
45	0	0	45	100	60	40	3

Course Description

This course introduces engineering students to the analysis of basic static and dynamic objects and systems encountered in engineering practice. It introduces force systems, simple structural elements and principles of work and energy.

Objectives

- Develop a clear understanding of the basic principles that govern the statics and dynamics of particles and rigid bodies
- Develop an ability to analyze Engineering problems systematically and logically
- Emphasize Newtonian Mechanics and the use of the SI system of units.
- Introduce the learners to the static analysis of simple structural systems of beams, trusses and frames.