EN6902

stresses.

Anti-requisites None

Engineering Mechanics 2



Application of

knowledge

Course Aim This course introduces the fundamentals of statics in engineering mechanics and develops students' skills in solving statics engineering problems

Short Title
Faculty
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Faculty
For Pre-requisites
Credits
For Pre-requisites
Co-reguisites
For Pre-requisites
For Pre

LearningOn successful completion of this course, students will be able to:NQF Sub-strandOutcomes1 Determine unknown forces for non-concurrent force systems such as pin-jointed frameworks using graphical and analytical techniques.Application of knowledge2 Select appropriate beams for engineering applications by calculating stresses, and considering mechanical and material properties, in standard and non-standard beam sections.Application of knowledge3 Size shafts for given torque loadings by calculating twisting properties and shearPractical

Total learning hrs 150