EGEN - General Engineering

EGEN 201. Engineering Mechanics—Statics. 3 Credits. (3 Lec) F,S,Su On Demand.
PREREQUISITE: PHSX 220 or PHSX 240. COREQUISITE: M 273Q or M283Q. Equilibrium of particles and rigid bodies; static analysis of structures including trusses, beams, frames and machines; coulomb friction; area and mass centroids; moments and products of inertia.
Terms Session Dates Days Location Time
2017 Summer 10276 001 First Half MTWR ROBH307 10:00am - 11:05am
2017 Summer 10276 001 First Half TR ROBH307 3:00pm - 4:05pm
2017 Summer 10706 802 First Half - - -

PREREQUISITE: EGEN 201 or EGEN 221 and M 273Q or M 283Q. Kinematics, kinetics, work-energy, and impulse-momentum for particles and rigid bodies.
Terms Session Dates Days Location Time
2017 Summer 10437 001 First Half MTWR ROBH307 8:00am - 9:40am
2017 Summer 10707 802 First Half - - -

EGEN 203. Applied Mechanics. 3 Credits. (3 Lec) F,S,Su On Demand.
PREREQUISITE: PHSX 205 or PHSX 220 or PHSX 240. COREQUISITE: M 166Q or M 172Q or M 182Q. Force systems in equilibrium and applications to structural trusses and frames; section properties; distributed force systems; shear and moment distributions in beams; basic particle dynamics.
Terms Session Dates Days Location Time
2017 Summer 10759 001 First Half MTWR ROBH210 8:00am - 9:40am

EGEN 205. Mechanics of Materials. 3 Credits. (3 Lec) F,S,Su On Demand
PREREQUISITE: EGEN 201 or EGEN 221. Stress and strain, Hooke’s Law, thermal strain, torsion, bending of beams, combined stress, limit analysis, energy methods, virtual work, column theory.
Terms Session Dates Days Location Time
2017 Summer 10455 001 Second Half TR ROBH210 7:55am - 9:55am
2017 Summer 10455 001 Second Half MW ROBH307 8:00am - 9:15am
2017 Summer 10708 802 Second Half - - -

EGEN 208. Applied Strength of Materials. 3 Credits. (3 Lec) F,S,Su On Demand
PREREQUISITE: EGEN 201 or EGEN 203 or EGEN 221. Equilibrium and deformation of structural elements; concepts of stress and strain and interrelationship; representation and transformation of combined stress states; axial, torsional and flexural stresses and deformation; column buckling.
Terms Session Dates Days Location Time
2017 Summer 10773 001 Second Half MTWR ROBH210 8:00am - 9:40am

EGEN 310R. Multidisciplinary Engineering Design. 3 Credits. (3 Lec) F,S
PREREQUISITE: Junior standing in an Engineering curriculum or consent of instructor. Introduces engineering students to topics such as design process, creative design, project management, teamwork, and technical leadership while highlighting the skills needed to work in a multidisciplinary environment.
Terms Session Dates Days Location Time
2017 Summer 10869 001 First Half MTWR IABS111 2:00pm - 3:40pm
2017 Summer 11188 002 First Half - - -
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.