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 M 283Q.
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.

EGEN 202. Engineering Mechanics -- Dynamics. 3 Credits. (3 Lec) F.S,Su On Demand.
PREREQUISITE: EGEN 201 and M 273Q or M 283Q. Kinematics, kinetcs, work-energy, and impulse-momentum for particles and rigid bodies.
Common Exams.

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, 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.

EGEN 205. Mechanics of Materials. 3 Credits. (3 Lec) Su On Demand
PREREQUISITE: EGEN 201 or EGEN 221 and M 273Q or M 283Q. Stress and strain, Hook's Law, thermal strain, torsion, bending of beams, combined stress, limit analysis, energy methods, virtual work, column theory.

EGEN 208. Applied Strength of Materials. 3 Credits. (3 Lec) Su On Demand
PREREQUISITE: EGEN 201 or EGEN 203 or EGEN 221 and M 166Q or M 172Q or M 182Q. 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.

EGEN 300. Business Fundamentals for Technical Professionals. 3 Credits. (3 Lec) F.S,Su
PREREQUISITES: Junior Standing; and M 171Q or M 165Q. Basic business topics for engineers and other technical professionals. Introduces key topics related to financial statements, accounting practices, project management, and evaluation of capital investment alternatives including present worth, rate of return, and after-tax analysis methods.

EGEN 330. Fluid Mechanics. 3 Credits. (3 Lec) F,S,Su On Demand.
PREREQUISITE: EGEN 202, EGEN 205. Introduction to modern fluid mechanics.

EGEN 335. Applied Engineering Data Analysis. 2 Credits. (2 Lec) F,S,Su
PREREQUISITE: M 166Q or M 172Q. An overview of data variability and applied statistical analysis techniques for a broad range of engineering disciplines. Topics include fundamentals of probability, essential probability distributions, hypothesis testing, experimental design strategies, and regression in the context of engineering applications. Evening exams required. Common final.

EGEN 335. Fluid Mechanics. 3 Credits. (3 Lec) F,S,Su On Demand.
PREREQUISITE: EGEN 202, EGEN 205. Introduction to modern fluid mechanics.

Term | CRN | Section | Session/Dates | Days | Location | Time | EGEN 201. Engineering Mechanics-Statics. 3 Credits. (3 Lec) F.S,Su On Demand.
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2019 Summer | 10533 | 801 | May-start: 4x4 - ONLINEWEB- | - | - | - |
2019 Summer | 10290 | 001 | May-start: 4x4 - MTWR ROBERT312A 1:00am - 1:35pm | Session |

Term | CRN | Section | Session/Dates | Days | Location | Time | EGEN 202. Engineering Mechanics -- Dynamics. 3 Credits. (3 Lec) F.S,Su On Demand.
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2019 Summer | 10534 | 801 | June-start: 4x4 - ONLINEWEB- | Session |
2019 Summer | 10342 | 001 | May-start: 4x4 - MTWR ROBERT307 11:00am - 1:35pm | Session |

Term | CRN | Section | Session/Dates | Days | Location | Time | EGEN 203. Applied Mechanics. 3 Credits. (3 Lec) F,S,Su On Demand.
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2019 Summer | 10572 | 001 | May-start: 4x4 - - - | Session |

Term | CRN | Section | Session/Dates | Days | Location | Time | EGEN 205. Mechanics of Materials. 3 Credits. (3 Lec) Su On Demand
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2019 Summer | 10555 | 801 | May-start: 4x4 - ONLINEWEB- | Session |
2019 Summer | 10356 | 001 | June-start: 4x4 - MTWR ROBERT312A 8:00am - 10:35am | Session |

Term | CRN | Section | Session/Dates | Days | Location | Time | EGEN 208. Applied Strength of Materials. 3 Credits. (3 Lec) Su On Demand
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2019 Summer | 10586 | 001 | June-start: 4x4 - - - | Session |

Term | CRN | Section | Session/Dates | Days | Location | Time | EGEN 330. Business Fundamentals for Technical Professionals. 3 Credits. (3 Lec) F.S,Su
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2019 Summer | 10991 | 001 | May-start: 4x4 MTWR ROBERT301 11:00am - 1:35pm | Session |

Term | CRN | Section | Session/Dates | Days | Location | Time | EGEN 335. Fluid Mechanics. 3 Credits. (3 Lec) F,S,Su On Demand.
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2019 Summer | 10832 | 801 | First Half - ONLINEWEB- Session |

Term | CRN | Section | Session/Dates | Days | Location | Time | EGEN 335. Applied Engineering Data Analysis. 2 Credits. (2 Lec) F,S,Su
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2019 Summer | 10220 | 001 | May-start: 4x4 MTWR NAH153 9:00am - 10:45am | Session |

Term | CRN | Section | Session/Dates | Days | Location | Time | EGEN 330. Business Fundamentals for Technical Professionals. 3 Credits. (3 Lec) F.S,Su
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2019 Summer | 10991 | 001 | May-start: 4x4 MTWR ROBERT301 11:00am - 1:35pm | Session |
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.