Power and Energy, onshore and afloat

This course covers efficient power/energy systems, energy security, high energy and pulsed power in the mission-critical context of the US Navy’s present and future challenges.

Course Title: 1. Power and Energy, onshore and afloat, IT 58100 (CRN:18534)  

When: Fall 2016; 3 credit hours; every Monday (1:30-4:20 pm)

Where: Hall of Discovery Learning Research Center (DLR) Room #228C

More Information: www.purdue.edu/discoverypark/navystem

Description: This interdisciplinary course is aimed at junior and senior undergraduate and graduate students interested in developing an understanding of power and energy technologies and systems, energy security, high energy and pulsed power. US Navy leadership has recognized Power and Energy as a strategic imperative for the success of their operations and the Nation's future technological superiority. This course will explore topics including batteries, liquid transportation fuels, hydrogen, thermal management, power electronics, flexible electronics, cyber security of control and sensing systems from the perspective of the Navy in its onshore bases and afloat. The course comprises both lectures and Navy-relevant design projects, and includes a field trip to Naval Surface Warfare Center, Crane (Indiana).

Contact:
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