

## Mechanical Engineering Course Directors

### Courses

### Course Director

EM211 Statics	ASSOC PROF J. BURKHARDT
EM215 Intro to Mechanical Engineering	PROF J. COWART
EM217 Strength of Materials	ASSOC PROF P. JOYCE
EM232 Dynamics	ASSOC PROF J. RADICE
EM300 Principles of Propulsion	CDR S. BLAIR
EM313 Materials Science	ASSOC PROF J. SCHUBBE
EM316 Thermo-Fluid Sciences I	ASSOC PROF C. BROWNELL
EM317 Thermo-Fluid Sciences II	ASST PROF R. WARZOHA
EM319 Engineering Thermodynamics	ASSOC PROF P. CATON
EM320 Applied Thermodynamics	PROF R. VOLINO
EM324 Fluid Dynamics	ASSOC PROF L. LUZNIK
EM371 Introduction to Design	PROF S. GRAHAM
EM375 Mechanical Engineering Experimentation	PROF C. RATCLIFFE
EM415 Heat Transfer	ASSOC PROF A. SMITH
EM420 Project Management	LCDR C. NEISH
EM423 Mechanical Vibrations	PROF C. RATCLIFFE
EM424 Analytical Methods in Mechanics	ASSOC PROF J. BURKHARDT
EM433 Computer-Aided Manufacturing	PROF R. LINK
EM441 Directed Energy	ASSOC PROF C. BROWNELL
EM443 Energy Conversion	CAPT M. CARR
EM444 Solar Engineering	PROF K. LINDLER
EM447 Wind and Tidal Energy	PROF K. FLACK
EM451 Design of Robotic Elements	PROF S. GRAHAM
EM452 Engineering Materials	PROF P. MORAN
EM453 Materials: Processing and Fabrication	PROF A. MORAN
EM456 Corrosion and Corrosion Control	PROF M. KOUL
EM458 Failure Analysis	ASSOC PROF J. SCHUBBE
EM461 Engines: Principles, Design and Applications	PROF J. COWART
EM474 Gas Turbines: Design and Analysis	PROF M. CERZA
EM485F Energy Analysis, Policy and Security	ASSOC PROF P. CATON
EM486A Energy Leadership	LCDR C. NEISH
EM486B Fluid Flow in Biology and the Environment	ASSOC PROF C. BROWNELL
EM486H Waste-to-Energy Conversion	ASSOC PROF P. CATON
ER301 Fundamentals of Nuclear Engineering	PROF M. MURRAY
ER313 Nuclear Material Science	CDR B. BAKER
ER362 Reactor Physics	ASSIST PROF M. MILLETT
ER371 Nuclear Plant Design	CDR S. BLAIR
ER463 Radiation Engineering	CDR B. BAKER
ER468 Nuclear Plant Engineering	CDR S. BLAIR
ER486A Nuclear Weapons Effects	MAJ J. BEST
EX485F Interdisciplinary Capstone Design I (FSAE)	PROF L. HAMILTON
EX485M Interdisciplinary Capstone Design I	LCDR E. LUST
EX486B Design of Modern Weapons	CDR K. CONLEY
EX486F Interdisciplinary Capstone Design II (FSAE)	PROF L. HAMILTON
EX486M Interdisciplinary Capstone Design II	LCDR E. LUST