

MNENGRDEPT NOTICE 5400

From: Chair, Mechanical and Nuclear Engineering Department

Subj: PROMULGATION OF APPOINTMENTS IN MECHANICAL AND NUCLEAR ENGINEERING

Ref: (a) MNENGRDEPTINST 5400.1
 (b) MNENGRDEPTINST 1531.16DF

1. Purpose.
 - a. To announce the appointments of Associate Chair, Executive Assistant, and membership and chairs of standing committees, and special assignments within the Mechanical and Nuclear Engineering Department.

2. Background.
 - a. Reference (a) promulgates the organizational structure of the Mechanical and Nuclear Engineering Department. In the organization, the Department Chair exercises control of department functions through an Associate Chair, Executive Assistant, a Senior Academic Advisor, various committees, and special assignments.

3. Mechanical and Nuclear Engineering Department Appointments.
 - a. Appointed Positions.

| Position | Name | Held Since |
|--|-------------------------|------------|
| Chair | Andrew Smith | AY23 |
| Associate Chair | CDR Angel Rodriguez | AY24 |
| Executive Assistant | LCDR John Joyce | AY24 |
| Department Comptroller | Assoc Prof Steve McHale | AY20 |
| Mechanical Engineering Program Director | Prof John Burkhardt | |
| Mechanical Engineering Senior Academic Advisor | Prof Ralph Volino | AY20 |
| Nuclear Engineering Program Director & SAA | Prof Mark Murray | AY14 |
| General Engineering Program | Prof Josh Radice | AY23 |

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|----------------------|-------------------|------|
| Director & SAA | | |
| Capstone Director | Prof Joel Schubbe | AY20 |
| Capstone Coordinator | Prof Pat Caton | AY20 |

b. Standing Committees Professional

(1) Civilian Faculty P&T Mentoring Committee

| | |
|---------------------------|------|
| Prof Steve Graham (Chair) | AY24 |
| Prof Len Hamilton | AY24 |
| Prof Michelle Koul | AY23 |
| Prof Andrew Smith | AY23 |

(2) Faculty Performance Evaluation Committee (ad hoc)

Determined annual at the beginning of the Spring Semester

(3) Midshipman – Faculty Relations Committee (MIDFAC)

| | |
|---------------------------------|------|
| Asst Prof Ethan Lust (Chair) | AY23 |
| Assoc Prof Emily Retzlaff (EME) | AY20 |
| Assoc Prof Samar Malek (EME) | AY21 |
| Assoc Prof Ron Warzoha (EME) | AY24 |
| CDR Angel Rodriguez (ENR) | AY24 |
| CDR Brian Earp (EME) | AY22 |
| LCDR John Joyce (ENR) | AY24 |
| LT Zachary Ceroli (ENR) | AY24 |
| LT Sam Newton (EME) | AY23 |

(4) Faculty Affairs Committee

| | |
|---------------------------|------|
| Prof Steve Graham (Chair) | AY23 |
|---------------------------|------|

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|---------------------------------|--|
| All Full Profs & Associate PMPs | |
|---------------------------------|--|

(5) Curriculum Committee

| | |
|--|------|
| Assoc Prof Emily Retzlaff | AY23 |
| Associate Chair - CDR Angel Rodriguez | |
| Assessment Committee Chair - Assoc Prof Steve McHale | |
| Capstone Director (Design) - Prof Joel Schubbe | |
| EME Program Director - Prof John Burkhardt | |
| EGE Program Director - Prof Joshue Radice | |
| ENR Program Director - Prof Mark Murray | |

(6) Assessment Committee

| | |
|--|------|
| Assoc Prof Stephen McHale | AY23 |
| Prof Len Hamilton (EGE) | AY18 |
| CDR Brian Earp (ENR) | AY22 |
| CDR Angel Rodriguez (EME) | AY23 |
| Capstone Coordinator | |
| Assoc Prof Ron Warzoha- ABET Coordinator | AY24 |

(7) Department Lab Managers and Functional Lab Group Directors

| | | |
|-------------------------------------|-----------------------------|------|
| Fluids Lab Group | Prof Luksa Luznik | AY24 |
| Structures and Material Lab Group | Prof Peter Joyce | AY22 |
| Propulsion Lab Group | Prof Jim Cowart | |
| Nucleonics Lab Manager | Assoc Prof Marshall Millett | AY14 |
| Project Support Branch Lab Director | Prof Len Hamilton | AY21 |

c. Other Assignments.

| | | |
|---|-----------------------------|------|
| ASME Faculty Advisor | Assoc Prof Emily Retzlaff | AY23 |
| Pi Tau Sigma Faculty Advisor | Prof Mark Murray | |
| Pi Tau Sigma Officer Rep | CDR Matt Schell | AY24 |
| Society of Automotive Engineers (SAE) Faculty Advisor | Prof Len Hamilton | AY11 |
| ANS Faculty Advisor | Assoc Prof Marshall Millett | |
| ANS Officer Rep | LT Zachary Ceroli | AY23 |
| Library Liaison Representative | LT Zachary Ceroli | AY23 |
| Safety Training and Security Manager | LT Colten Lybbert | |
| Honor Representative | LCDR Joey Latta | AY23 |
| Awards Coordinator | Assoc Prof Samar Malek | AY23 |
| Social Committee - Chair | Assoc Prof Ron Warzoha | AY24 |
| Social Committee - Civilian Rep | Prof Josh Radice | AY24 |
| Social Committee - Military Rep | CDR Angel Rodriguez | |
| Internship Coordinator | LCDR Joey Latta | AY23 |
| Plebe Parents Weekend Display Coordinator | LT Zachary Ceroli | |
| Summer EM300 Coordinator | LT Jessie Sampayan | AY22 |
| Summer EM232 Coordinator | LCDR Andria Jones | AY22 |
| EME Summer Seminar Coor. | LT Sam Newton | AY22 |
| ENR Summer Seminar Coor. | CDR Angel Rodriguez | AY23 |
| Independent Research Projects Coordinator EM495/496 | Prof Peter Joyce | |
| Peer Observation Program Coordinator | Prof Luksa Luznik | AY23 |
| Department IT Representative | Prof Peter Joyce | |
| DTS Authorizing Official (Pri) | LCDR John Joyce | AY24 |

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|-----------------------------------|---------------------|------|
| DTS Authorizing Official (Backup) | CDR Angel Rodriguez | AY24 |
|-----------------------------------|---------------------|------|

d. Course Directors.
Courses

| Course | Course Director | Held Since |
|---|---------------------------|------------|
| EM211 Statics | Prof John Burkhardt | AY01 |
| EM215 Intro to Mechanical Engineering | Prof Jim Cowart | |
| EM217 Strength of Materials | Prof John Burkhardt | AY25 |
| EM221 Mechanics for Nuclear Engineers | Assoc Prof Liz Getto | AY23 |
| EM222 Mechanics I (new matrix) | Assoc Prof Emily Retzlaff | AY25 |
| EM223 Mechanics II (new matrix) | Prof John Burkhardt | |
| EM226 Engineering Computation with MATLAB (new matrix) | Asst Prof Jon Cheng | AY25 |
| EM228 Engineering Design I (new matrix) | Asst. Prof. Ethan Lust | |
| EM232 Dynamics | Prof Joshua Radice | |
| EM300 Principles of Propulsion | CDR Matt Schell | AY24 |
| EM312 Materials Science (new matrix) | CDR Brian Earp | AY25 |
| EM313 Materials Science | CDR Brian Earp | AY25 |
| EM316 Introduction to Fluid Dynamics and Heat Transfer | Prof Cody Brownell | |
| EM317 Thermodynamics with Applications | Prof Ralph Volino | AY25 |
| EM319 Engineering Thermodynamics | Prof Jim Cowart | AY25 |
| EM320 Applied Thermodynamics | Prof Ralph Volino | AY01 |
| EM324 Fluid Dynamics | Prof Mark Murray | AY25 |
| EM328 Engineering Design II (new matrix) | Prof. Joel Schubbe | AY25 |
| EM335 Mechanics III (new matrix) | Prof. Peter Joyce | AY25 |
| EM337 Energy Systems (new matrix) | Prof. Pat Caton | AY25 |
| EM371 Introduction to Design | Prof Peter Joyce | |
| EM375 Mechanical Engineering Experimentation | Prof Luksa Luznik | AY19 |
| EM380 FE Exam Review | LT Colten Lybbert | |

| Course | Course Director | Held Since |
|---|---------------------------|------------|
| EM211 Statics | Prof John Burkhardt | AY01 |
| EM215 Intro to Mechanical Engineering | Prof Jim Cowart | |
| EM217 Strength of Materials | Prof John Burkhardt | AY25 |
| EM221 Mechanics for Nuclear Engineers | Assoc Prof Liz Getto | AY23 |
| EM222 Mechanics I (new matrix) | Assoc Prof Emily Retzlaff | AY25 |
| EM223 Mechanics II (new matrix) | Prof John Burkhardt | |
| EM226 Engineering Computation with MATLAB (new matrix) | Asst Prof Jon Cheng | AY25 |
| EM228 Engineering Design I (new matrix) | Asst. Prof. Ethan Lust | |
| EM232 Dynamics | Prof Joshua Radice | |
| EM300 Principles of Propulsion | CDR Matt Schell | AY24 |
| EM312 Materials Science (new matrix) | CDR Brian Earp | AY25 |
| EM313 Materials Science | CDR Brian Earp | AY25 |
| EM316 Introduction to Fluid Dynamics and Heat Transfer | Prof Cody Brownell | |
| EM317 Thermodynamics with Applications | Prof Ralph Volino | AY25 |
| EM486F Finite Element Methods | Prof. Joshua Radice | AY25 |
| EM414 Heat Transfer (new matrix) | Assoc Prof Ron Warzoha | AY24 |
| EM415 Heat Transfer | Assoc Prof Ron Warzoha | AY24 |
| EX420 Project Management Mech Eng | LCDR John Joyce | |
| EM423 Mechanical Vibrations | Prof Josh Radice | |
| EM424 Analytical Methods in Mechanics | Assoc Prof Samar Malek | AY25 |
| EM425 Numerical Methods for Engineers | CDR Angel Rodriguez | AY25 |
| EM433 Computer-Aided Manufacturing | Prof. Steve Graham | |
| EM434 Additive Manufacturing | CDR Buddy Slager | AY25 |
| EM436 Mechanics of Composite Structures | Prof. Peter Joyce | |
| EM441 Directed Energy | Prof Cody Brownell | |
| EM443 Energy Conversion | Asst Prof Ethan Lust | AY23 |

| Course | Course Director | Held Since |
|---|---------------------------|------------|
| EM211 Statics | Prof John Burkhardt | AY01 |
| EM215 Intro to Mechanical Engineering | Prof Jim Cowart | |
| EM217 Strength of Materials | Prof John Burkhardt | AY25 |
| EM221 Mechanics for Nuclear Engineers | Assoc Prof Liz Getto | AY23 |
| EM222 Mechanics I (new matrix) | Assoc Prof Emily Retzlaff | AY25 |
| EM223 Mechanics II (new matrix) | Prof John Burkhardt | |
| EM226 Engineering Computation with MATLAB (new matrix) | Asst Prof Jon Cheng | AY25 |
| EM228 Engineering Design I (new matrix) | Asst. Prof. Ethan Lust | |
| EM232 Dynamics | Prof Joshua Radice | |
| EM300 Principles of Propulsion | CDR Matt Schell | AY24 |
| EM312 Materials Science (new matrix) | CDR Brian Earp | AY25 |
| EM313 Materials Science | CDR Brian Earp | AY25 |
| EM316 Introduction to Fluid Dynamics and Heat Transfer | Prof Cody Brownell | |
| EM317 Thermodynamics with Applications | Prof Ralph Volino | AY25 |
| EM444 Solar Engineering | DV Prof Bob Fishman | |
| EM447 Wind and Tidal Energy | Asst Prof Ethan Lust | AY23 |
| EM451 Design of Robotic Elements | Prof Stephen Graham | |
| EM456 Corrosion and Corrosion Control | Prof Michelle Koul | |
| EM458 Failure Analysis | Prof Joel Schubbe | AY11 |
| EM461 Engines: Principles, Design and Applications | Prof Jim Cowart | |
| EM473 Design of Modern Weapons | Mr. Ken Conley | |
| EM474 Gas Turbines: Design and Analysis | DV Prof Bob Fishman | |
| EM476 Vehicle Dynamics | Prof Len Hamilton | AY17 |
| EM478 Fluid Flow in Biology and the Environment | Prof Cody Brownell | |
| EM450 Combustion and Flames | Prof. Jim Cowart | |

| Course | Course Director | Held Since |
|---|---------------------------|------------|
| EM211 Statics | Prof John Burkhardt | AY01 |
| EM215 Intro to Mechanical Engineering | Prof Jim Cowart | |
| EM217 Strength of Materials | Prof John Burkhardt | AY25 |
| EM221 Mechanics for Nuclear Engineers | Assoc Prof Liz Getto | AY23 |
| EM222 Mechanics I (new matrix) | Assoc Prof Emily Retzlaff | AY25 |
| EM223 Mechanics II (new matrix) | Prof John Burkhardt | |
| EM226 Engineering Computation with MATLAB (new matrix) | Asst Prof Jon Cheng | AY25 |
| EM228 Engineering Design I (new matrix) | Asst. Prof. Ethan Lust | |
| EM232 Dynamics | Prof Joshua Radice | |
| EM300 Principles of Propulsion | CDR Matt Schell | AY24 |
| EM312 Materials Science (new matrix) | CDR Brian Earp | AY25 |
| EM313 Materials Science | CDR Brian Earp | AY25 |
| EM316 Introduction to Fluid Dynamics and Heat Transfer | Prof Cody Brownell | |
| EM317 Thermodynamics with Applications | Prof Ralph Volino | AY25 |
| EM485E Sustainable Energy | Asst Prof Ethan Lust | AY24 |
| EM462 Energy Analysis, Policy and Security | Prof Patrick Caton | AY16 |
| EM485H Humanitarian Engineering | Prof Samar Malek | AY24 |
| ER301 Fundamentals of Nuclear Engineering | Prof Mark Murray | |
| ER312 Nuclear Material Science (new matrix) | CDR Brian Earp | AY25 |
| ER313 Nuclear Material Science | CDR Brian Earp | AY25 |
| ER327 Applied Nuclear Physics | Assoc Prof Steve McHale | AY25 |
| ER338 Computational Tools for Nuclear Engineers (new matrix) | Assoc Prof Steve McHale | AY25 |
| ER362 Reactor Physics | Assoc Prof Steve McHale | AY13 |
| ER371 Nuclear Plant Design | LCDR Joseph Latta | AY25 |
| ER460 Introduction to Health Physics | Assoc Prof Steve McHale | AY18 |
| ER463 Radiation Engineering | LCDR Joseph Latta | AY25 |

| Course | Course Director | Held Since |
|---|---------------------------|------------|
| EM211 Statics | Prof John Burkhardt | AY01 |
| EM215 Intro to Mechanical Engineering | Prof Jim Cowart | |
| EM217 Strength of Materials | Prof John Burkhardt | AY25 |
| EM221 Mechanics for Nuclear Engineers | Assoc Prof Liz Getto | AY23 |
| EM222 Mechanics I (new matrix) | Assoc Prof Emily Retzlaff | AY25 |
| EM223 Mechanics II (new matrix) | Prof John Burkhardt | |
| EM226 Engineering Computation with MATLAB (new matrix) | Asst Prof Jon Cheng | AY25 |
| EM228 Engineering Design I (new matrix) | Asst. Prof. Ethan Lust | |
| EM232 Dynamics | Prof Joshua Radice | |
| EM300 Principles of Propulsion | CDR Matt Schell | AY24 |
| EM312 Materials Science (new matrix) | CDR Brian Earp | AY25 |
| EM313 Materials Science | CDR Brian Earp | AY25 |
| EM316 Introduction to Fluid Dynamics and Heat Transfer | Prof Cody Brownell | |
| EM317 Thermodynamics with Applications | Prof Ralph Volino | AY25 |
| ER468 Nuclear Plant Engineering | CDR Angel Rodriguez | AY24 |
| ER461 Nuclear Weapons Effects | Assoc Prof Steve McHale | AY21 |
| EX401 Interdiscip. Capstone Design I | Prof Pat Caton | AY20 |
| EX402 Interdiscip. Capstone Design II | Prof Pat Caton | AY20 |
| EX475 Interdiscip. Capstone Design I (FSAE) | Prof Len Hamilton | AY05 |
| EX476 Interdiscip. Capstone Design II (FSAE) | Prof Len Hamilton | AY05 |

4. Action.

Faculty members are requested to become familiar with the duties, responsibilities, and authority of their appointments.

- a. Faculty members are requested to review reference (a), department organization and the other department instructions in order to promote a more thorough

understanding of the department organization and the responsibilities of the individuals who comprise the organization.

Andrew N. Smith

Distribution (Electronically)
Mechanical and Nuclear Engineering Faculty