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Mechanical Engineering Courses
http://www.eng.fsu.edu/me/courses
# Mechanical Engineering Courses

## Spring 2024

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**Room**  
**Bldg**

| 5653 | 2785 | EML | 4304L | L02 | 0002 | Experiments in Thermal and Fluid Sciences (lab) | 1 | Ali (myali@eng.famu.fsu.edu) | 2:00PM | 3:45PM | W | A109/ A209 | COEA/CE1 |
| 5656 | 11692 | EML | 4304L | L03 | 0003 | Experiments in Thermal and Fluid Sciences (lab) | 1 | Ali (myali@eng.famu.fsu.edu) | 4:00PM | 5:45PM | W | A109/ A209 | COEA/CE1 |
| 5659 | 11693 | EML | 4304L | L04 | 0004 | Experiments in Thermal and Fluid Sciences (lab) | 1 | Ali (myali@eng.famu.fsu.edu) | 2:00PM | 3:45 PM | R | A109/ A209 | COEA/CE1 |
| 1361 | 2787 | EML | 4550 | 301 | 0001 | Engineering Design Methods | 3 | McConomy (smconomy@eng.famu.fsu.edu) | 3:30PM | 4:45PM | M W | B134 | COEB/CE2 |
| 1307 | 2788 | EML | 4552C | C01 | 0001 | Senior Design II | 3 | McConomy | 3:30PM | 7:45PM | T R | B135 | COEB/CE2 |
| SDS | 3802 | | | | | Experiential Learning | 0-1 | | | | | |
| 2825- | EML | 4905 | 601 | - | 0001- | DIS Directed Independent Study | 1-3 | (Contact Professor, then Mrs. Natalie Alday to create course number) | | | | | |
| 2876- | EML | 4970 | | | 0001- | Honors Work (Contact Professor) | 3 | | | | | |

### Undergraduate ME Technical Electives

| 7365 | 12319 | EGN | 3454 | 301 | 0001 | 5th math | Numerical Methods for Mechanical Engineers | 3 | Nair (usasidharan.nair@eng.famu.edu) | 12:30PM | 1:45PM | M W | B214 | COEB/CE2 |
| 7361 | 11707 | EML | 4161 | 301 | 0001 | ThmFld | Cryogenics (Magnet Science & Technology) | 3 | Guo (wguo@eng.famu.fsu.edu) | 3:30PM | 4:45PM | M W | A223 | COEA/CE1 |
| 5665 | 2786 | EML | 4316 | 301 | 0001 | D&C DynSys | Advanced Design & Analysis of Control Systems | 3 | Anub (anub@eng.famu.fsu.edu) | 11:00AM | 12:15PM | M W | A223 | COEA/CE1 |
| 2152 | 2827 | EML | 4421 | 301 | 0001 | ThmFld ThrmlFld - ThrmlFld | Propulsion Systems (Aeronautics Track) | 3 | Shih (shih@eng.famu.fsu.edu) | 11:00AM | 12:15PM | T R | A106 | AME bldg |
| 2250 | 2820 | EML | 4452 | 301 | 0001 | | Sustainable Power Generation | 3 | Ordóñez, J. (ordonez@eng.famu.fsu.edu) | 11:00AM | 12:15PM | M W | A226 | COEA/CE1 |
| 7362 | 11705 | EML | 4042 | 301 | 0001 | D&C DynSys | Modeling and Simulation for Mechanical Systems | 3 | Hollis (hollis@eng.famu.fsu.edu) | 8:00AM | 9:15AM | M W | B114 | COEB/CE2 |
| 5671 | 2874 | EML | 4536 | 301 | 0001 | SM&M | Design Using FEM (Magnet Science/Technology) | 3 | Oates (woates@eng.famu.fsu.edu) | 2:00PM | 3:15PM | M W | A226 | COEA/CE1 |
| 5674 | 2823 | EML | 4711 | 301 | 0001 | SM&M | Introduction to Gas Dynamics (Aeronautics Track) | 3 | Kumar (rkumar@eng.famu.fsu.edu) | 2:00PM | 3:15PM | M W | AME 106 | AME bldg |
| 2422 | 2789 | EML | 4930 | 301 | 0001 | D&C DynSys | Applied Optimal Control | 3 | Hubicki (hubicki@eng.famu.fsu.edu) | 9:30AM | 10:45AM | T R | A144 | COEA/CE1 |
| 2423 | 2790 | EML | 4930 | 302 | 0002 | SM&M | Energy Materials and Devices | 3 | Campbell (dcampbell@eng.famu.fsu.edu) | 11:00AM | 12:15PM | M W | A235 | COEA/CE1 |
| 4422 | 2791 | EML | 4930 | 303 | 0003 | SM&M | Microstructure of Materials | 3 | Kametani (fkametani@eng.famu.fsu.edu) | 2:00PM | 3:15PM | T R | B134 | COEB/CE2 |
| 5710 | 2837 | EML | 4930 | 304 | 0004 | D&C DynSys | Mechatronics and Art | 3 | Clark (clarkj@eng.famu.edu) | 12:30PM | 1:45PM | T R | B356 | COEB/CE2 |
| 5049 | 2838 | EML | 4930 | 305 | 0005 | D&C DynSys | Human Biomechanics | 3 | Higgins (thhiggins@eng.famu.fsu.edu) | 11:00AM | 12:15PM | T R | B136 | COEB/CE2 |
| 5716 | 2841 | EML | 4930 | 307 | 0007 | SM&M | Applied Superconductivity (Magnet Science & Technology) | 3 | Cooley (ldcooley@asc.magnet.fsu.edu) | 12:30PM | 1:45PM | T R | A125 | COEA/CE1 |

### Graduate ME Technical Electives

| 7363 | 11706 | EML | 5042 | 301 | 0001 | D&C DynSys | Modeling and Simulation for Mechanical Systems | 3 | Hollis (hollis@eng.famu.fsu.edu) | 8:00AM | 9:15AM | M W | B114 | COEB/CE2 |
| 2872 | EML | 5072 | | | 0001 | D&C DynSys | Applied Superconductivity (Magnet Science & Technology) | 3 | Cooley (ldcooley@asc.magnet.fsu.edu) | 12:30PM | 1:45PM | T R | A125 | COEA/CE1 |

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https://www.eng.famu.fsu.edu/me/undergraduate/research-experience
# Mechanical Engineering Courses

## Spring 2024

<table>
<thead>
<tr>
<th>FAMU FSU Crse</th>
<th>FSU sect</th>
<th>AREA</th>
<th>UG Track Cert</th>
<th>TITLE</th>
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<th>INSTRUCTOR</th>
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<td>2428</td>
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<td>607</td>
<td>SM&amp;M</td>
<td>Applied Superconductivity (Magnet Science &amp; Technology)</td>
<td>3</td>
<td>Cooley (<a href="mailto:ldcooley@asc.magnet.fsu.edu">ldcooley@asc.magnet.fsu.edu</a>)</td>
<td>12:30PM</td>
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<td>SM&amp;M</td>
<td>Cryogenics (Magnet Science &amp; Technology)</td>
<td>3</td>
<td>Guo (<a href="mailto:wgguo@eng.famu.fsu.edu">wgguo@eng.famu.fsu.edu</a>)</td>
<td>3:30PM</td>
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<td>2429</td>
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<td>301</td>
<td>D&amp;C, DynSys</td>
<td>Advanced Design &amp; Analysis of Control Systems</td>
<td>3</td>
<td>Anubi (<a href="mailto:anubi@eng.famu.fsu.edu">anubi@eng.famu.fsu.edu</a>)</td>
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<td>2431</td>
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<td>D&amp;C, SM&amp;M</td>
<td>Propulsion Systems (Aeronautics Track)</td>
<td>3</td>
<td>Shih (<a href="mailto:shih@eng.famu.fsu.edu">shih@eng.famu.fsu.edu</a>)</td>
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<td>T R</td>
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<td>SM&amp;M, D&amp;C</td>
<td>Propulsion Systems (AERO Certificate Program)</td>
<td>3</td>
<td>Shih (<a href="mailto:shih@eng.famu.fsu.edu">shih@eng.famu.fsu.edu</a>)</td>
<td>ONLINE</td>
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<td>SM&amp;M</td>
<td>Sustainable Power Generation</td>
<td>3</td>
<td>Ordóñez, J. (<a href="mailto:ordonez@eng.famu.fsu.edu">ordonez@eng.famu.fsu.edu</a>)</td>
<td>11:00AM</td>
<td>12:15PM</td>
<td>M W</td>
<td>A226</td>
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<td>SM&amp;M, D&amp;C</td>
<td>Design Using FEM (Magnet Science/Technology)</td>
<td>3</td>
<td>Oates (<a href="mailto:woates@eng.famu.fsu.edu">woates@eng.famu.fsu.edu</a>)</td>
<td>2:00PM</td>
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<td>D&amp;C, DynSys</td>
<td>Introduction to Gas Dynamics (Aeronautics Track)</td>
<td>3</td>
<td>Kumar (<a href="mailto:kumar@fsu.edu">kumar@fsu.edu</a>)</td>
<td>2:00PM</td>
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<td>SM&amp;M, D&amp;C</td>
<td>Introduction to Gas Dynamics (AERO Certificate Program)</td>
<td>3</td>
<td>Ali (<a href="mailto:myal@eng.famu.fsu.edu">myal@eng.famu.fsu.edu</a>)</td>
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<td>Applied Optimal Control</td>
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<td>9:30AM</td>
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<td>Energy Materials and Devices</td>
<td>3</td>
<td>Campbell (<a href="mailto:dcampbell@eng.famu.fsu.edu">dcampbell@eng.famu.fsu.edu</a>)</td>
<td>11:00AM</td>
<td>12:15PM</td>
<td>M W</td>
<td>A235</td>
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<td>Microstructure of Materials</td>
<td>3</td>
<td>Kametani (<a href="mailto:fkametani@eng.famu.fsu.edu">fkametani@eng.famu.fsu.edu</a>)</td>
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<td>D&amp;C, DynSys</td>
<td>Mechatronics and Art</td>
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<td>Clark (<a href="mailto:clarkj@eng.fsu.edu">clarkj@eng.fsu.edu</a>)</td>
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<td>D&amp;C, DynSys</td>
<td>Viscous Fluid Flows</td>
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<td>Shoelie (<a href="mailto:kshoelie@eng.famu.fsu.edu">kshoelie@eng.famu.fsu.edu</a>)</td>
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<td>FAMU: MS_Prof Traineeship Project (BSMS Design Project)</td>
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<td>Shih (<a href="mailto:shih@eng.famu.fsu.edu">shih@eng.famu.fsu.edu</a>)</td>
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<td>AME 106</td>
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</table>

Contact (Graduate Studies Program Administrator) Breda Arnell COE A240 WITH TOPIC TITLE needed for the following courses

- 4071 2793: EML 5905 601 - 0001 - (DIS) Directed Independent Study 1-6 (1-12) ME Faculty member
- 5689 2846: EML 5971 601 - 0001 - MASTER’S THESIS RESEARCH 3-6 (1-12) ME Advisor
- 1340 2797: EML 6980 601 - 0001 - DISSERTATION 1-12 ME Advisor
- 4911 2842: EML 8968 601 - 0001 - PRELIMINARY DOCTORAL EXAM (scheduled Fall term only) 0 ME Advisor
- 5692 2887: EML 8976 601 - 0001 - MASTERS THESIS DEFENSE (ORAL) 0 ME Advisor
- 2262 2835: EML 8985 601 - 0001 - DISSERTATION DEFENSE 0 ME Advisor

Updated 10/11/2023