

# Mechanical Engineering Technology (MET) Long Range Schedule

Please note: every effort is made to offer the courses as listed below but occasionally changes must be made

|           |  |   | Fall | Spring | Summer | Fall | Spring | Summer | Fall | Spring | Summer | Fall | Spring | Summer |
|-----------|--|---|------|--------|--------|------|--------|--------|------|--------|--------|------|--------|--------|
|           |  |   | 2024 | 2025   | 2025   | 2025 | 2026   | 2026   | 2026 | 2027   | 2027   | 2027 | 2028   | 2028   |
| Credits   |  |   |      |        |        |      |        |        |      |        |        |      |        |        |
| MET 200   | Manufacturing Process and Methods                | 3 | C    | C      | S      | C    | C      | S      | C    | C      | S      | C    | C      | S      |
| MET 225   | Strength of Materials Laboratory                 | 1 | C    | C      | A      | C    | C      | A      | C    | C      | A      | C    | C      | A      |
| MET 300   | Thermodynamics                                   | 3 | C    | S      | A      | C    | S      | A      | C    | S      | A      | C    | S      | A      |
| MET 310   | Dynamics   | 3 | C    | A      | A      | C    | A      | A      | C    | A      | A      | C    | A      | A      |
| MET 320   | Design of Machine Elements                       | 3 | S    | C      | A      | S    | C      | A      | S    | C      | A      | S    | C      | A      |
| MET 330   | Fluid Mechanics                                  | 3 | C    | S      | A      | C    | S      | A      | C    | S      | A      | C    | S      | A      |
| MET 331   | Fluid Mechanics Laboratory                       | 1 | C,A  | C,A    | A      | C,A  | C,A    | A      | C,A  | C,A    | A      | C,A  | C,A    | A      |
| MET 340   | Heat Transfer                                    | 3 | S    | C      | S      | S    | C      | S      | S    | C      | S      | S    | C      | S      |
| MET 350   | Thermal Applications                             | 3 |      | C      | S      |      | C      | S      |      | C      | S      |      | C      | S      |
| MET 351   | Thermal Applications Laboratory                  | 1 | C,A  | C,A    | A      | C,A  | C,A    | A      | C,A  | C,A    | A      | C,A  | C,A    | A      |
| MET 427   | Mechatronic System Design                        | 3 | TBD  | TBD    | TBD    | TBD  | TBD    | TBD    | TBD  | TBD    | TBD    | TBD  | TBD    | TBD    |
| MET 430   | Mechanical Subsystem Design                      | 3 | TBD  | TBD    | TBD    | TBD  | TBD    | TBD    | TBD  | TBD    | TBD    | TBD  | TBD    | TBD    |
| MET 431   | Modeling and Simulation of Mech. Systems         | 3 | TBD  | TBD    | TBD    | TBD  | TBD    | TBD    | TBD  | TBD    | TBD    | TBD  | TBD    | TBD    |
| MET 460   | Refrigeration and AC                             | 3 |      |        | S      |      |        | S      |      |        | S      |      |        | S      |
| MET 471   | Nuclear Systems I.                               | 3 | S    |        |        | S    |        |        | S    |        |        | S    |        |        |
| MET 472   | Nuclear Systems II.                              | 3 |      | S      |        |      | S      |        |      | S      |        |      | S      |        |
| MET 475   | Marine Engineering I.                            | 3 | S    |        |        | S    |        |        | S    |        |        | S    |        |        |
| MET 476   | Marine Engineering II.                           | 3 |      | S      |        |      | S      |        |      | S      |        |      | S      |        |
| MET 485   | Maintenance Engineering                          | 3 |      | S      |        |      | A      |        |      | A      |        |      | A      |        |
| ENGT 200  | Statics  | 3 | C,S  | C,S    | S      | C,S  | C,S    | S      | C,S  | C,S    | S      | C,S  | C,S    | S      |
| ENGT 220  | Strength of Materials                            | 3 | C,S  | C,S    | C,S    | C,S  | C,S    | C,S    | C,S  | C,S    | C,S    | C,S  | C,S    | C,S    |
| ENGT 230  | Engineering Graphics and Computer Solid Modeling | 3 | C    | C      | A      | C    | C      | A      | C    | C      | A      | C    | C      | A      |
| ENGT 270  | Automation and Controls                          | 3 | C    | C      | A      | C    | C      | A      | C    | C      | A      | C    | C      | A      |
| ENGT 286  | Automation and Controls Laboratory               | 1 | C    | C      | A      | C    | C      | A      | C    | C      | A      | C    | C      | A      |
| ENGT 305  | Advanced Technical Analysis                      | 3 | C    | C      | A      |      | C      | A      |      | C      | A      |      | C      | A      |
| ENGT 365  | Geometric Dimensioning and Tolerancing           | 3 | C    | A      | A      | C    | A      | A      | C    | A      | A      | C    | A      | A      |
| ENGT 434  | Introduction to Senior Project                   | 3 | S    | S      |        | S    | S      |        | S    | S      |        | S    | S      |        |
| ENGT 435W | Senior Design Project                            | 3 | A    | A      |        | A    | A      |        | A    | A      |        | A    | A      |        |
| ENGN 401  | Fundamentals of Engineering Review               | 3 | A    | A      | A      | A    | A      | A      | A    | A      | A      | A    | A      | A      |
| MET 367   | Cooperative Education                            | 1 | A,C  | A,C    | A,C    | A,C  | A,C    | A,C    | A,C  | A,C    | A,C    | A,C  | A,C    | A,C    |
| MET 368   | Internship                                       | 1 | A,C  | A,C    | A,C    | A,C  | A,C    | A,C    | A,C  | A,C    | A,C    | A,C  | A,C    | A,C    |

\*(C) Campus: This is face to face meetings only, appears on Leo-online with the building and classroom number

\*(S) ODU Global Synchronous Online: WC 2, 5, 7

\*(A) ODU Global Asynchronous online: WEB 2, 5, 7

Updated by N. Luetke, October 23, 2024