****

|  |
| --- |
| **Department Electives 2018-2019** |
| **Fall 2018** |  |  |
| **CHEM 109A (4)** | **Organic Chemistry** | **Staff** |
| **ECE 147A (5)** | **Control Systems** | **Teel** |
| **ENGR 101**  | **Ethics in Engineering** | **Staff** |
| **MATRL 100A**  | **Structure and Properties 1** | **Staff** |
| **ME 112** | **Energy** | **Matthys** |
| **ME 125/225 IB** | **Defects in Engineering Materials**  | **Beyerlein** |
| **ME 128**  | **Design of Medical Devices**  | **Laguette** |
| **ME 155B** | **Control Systems Design**  | **Bamieh** |
| **ME 157/257** | **Introduction to Multiphysics Simulations**  | **Meinhart**  |
| **ME 167**  | **Structural Analysis** | **Yang** |
| **ME 179D** | **Intro to Robotics: Dynamics** | **Byl** |
| **ME 179L** | **Intro to Robotics: Design Lab** | **Dahlen** |
| **TMP 120 (4)** | **Business Strategy & Leadership Skills** | **Staff** |
| **TMP 122 (4)** | **New Venture Creation: Entrepreneurship** | **Staff** |
| **Winter 2019** |  |  |
| **CHEM 109A (4)** | **Organic Chemistry** | **Staff** |
| **ECE 147B** | **Digital Control Systems- Theory and Design** | **Byl** |
| **ENGR 101**  | **Ethics in Engineering**  | **Staff** |
| **ME 102** | **Finite Elements Analysis of Heat Transfer and Fluid Flow** | **Matthys** |
| **ME 125EH** | **Special Topics TBA** | **Hawkes** |
| **ME 125LP** | **Intro to Design Optimization** | **Meinhart/Petzold** |
| **ME 125/ 225DS** | **Special Topics TBA** | **Daly** |
| **ME 147** | **LabView and Mechatronics** | **Hare** |
| **ME/ECE 179P** | **Intro to Robotics: Planning & Kinematics**  | **Bullo** |
| **ME/MATRL 186A** | **Manufacturing & Materials** | **Levi** |
| **TMP 120 (4)** | **Business Strategy & Leadership Skills** | **Staff** |
| **Spring 2019** |  |  |
| **CHEM 109A (4)** | **Organic Chemistry** | **Staff** |
| **ECE 147C** | **Control Sys Design Project** | **Mostofi** |
| **ENGR 101** | **Ethics in Engineering** | **Staff** |
| **ENV S 105 (4)** | **Solar and Renewable Energy** | **Staff** |
| **MATRL 100C** | **Fundamentals of Structural Evolution** | **Levi** |
| **ME 125/225 AS** | **Special Topics TBA** | **Sauret** |
| **ME 125 BL** | **Special Topics in Adv Thermosciences** | **Liao** |
| **ME 125/ 225 PL** | **Wind and Tidal Energy Extraction** | **Luzzato-Fegis** |
| **ME 125 TB** | **Special Topics TBA** | **Bennett** |
| **ME 146/246** | **Molecular and Cellular Biomechanics** | **Valentine** |
| **ME 155C (Same as ECE 147C)** | **Control Sys Design Project** | **Mostofi** |
| **ME 166** | **Advanced Strength of Materials** | **Daly** |
| **ME W 167 (SAME AS ME 167)** | **(ONLINE) Structural Analysis**  | **Yang** |
| **ME 169** | **Nonlinear Phenomena** | **TBA** |
| **ME/MATRL 186B** | **Introduction to Additive Manufacturing** | **Begley** |
| **TMP 120 (4)** | **Business Strategy & Leadership Skills** | **Staff** |
| **TMP 122 (4)** | **New Venture Creation: Entrepreneurship** | **Staff** |