

Course Listings

The course listing below outlines courses for the 2025-26 academic year. For the 2024-2025 schedule click [here](#) .

Visit [this page](#) for a complete list of courses in the department.

* = approved course for undergraduate modeling requirement.

FILTER BY

SEARCH

| Course | Course Title | Fall 2025 | Winter 2026 | Spring 2026 |
|---------------------------------|--|--------------------------------|------------------------------|------------------------------|
| MATH 228-2 | Multiple Integration and Vector Calculus | MWF 1:00-1:50 Mani | MWF 9:00-9:50 Vlahovska | MWF 11:00-11:50 Wick |
| MATH 228-2 | Multiple Integration and Vector Calculus | MWF 2:00-2:50 Mani | MWF 10:00-10:50 Miksis | MWF 1:00-1:50 FitzGerald |
| MATH 228-2 | Multiple Integration and Vector Calculus | | MWF 12:00-12:50 TBA | |
| MATH 228-2 | Multiple Integration and Vector Calculus | | MWF 1:00-1:50 TBA | |
| GEN_ENG 205-4 | Engineering Analysis 4 | MTWThF 10:00-10:50 Bayliss | | |
| GEN_ENG 205-4 | Engineering Analysis 4 | MTWThF 12:00-12:50 Bayliss | MTWThF 12:00-12:50 Mangan | |
| GEN_ENG 205-4 | Engineering Analysis 4 | MTWThF 4:00-4:50 Wick | | |
| GEN_ENG 206-4 | Honors Engineering Analysis 4 | | | MTWThF 10:00-10:50 Abrams |
| ES_APPM 245 | Elementary Applied Linear Algebra | | MWF 12:00-12:50 Chopp | |
| ES_APPM 252-1,2 | Honors Calculus for Engineers | MTWThF 10:00-10:50 Lecoanet | MTWThF 10:00-10:50 Abrams | |
| ES_APPM 311-0 | Methods of Applied Mathematics | MWF 11:00-11:50 Miksis | | |
| ES_APPM 314 | Advanced Methods for Differential Equations | TTh 2:00-3:20 Volpert | | |
| ES_APPM 322 | Applied Dynamical Systems | | TTh 12:30-1:50 Abrams | |
| ES_APPM 344 | High Performance Scientific Computing | | | MW 12:30-1:50 Chopp |
| ES_APPM 345 | Applied Linear Algebra | | | TTh 12:30-1:50 Chopp |
| ES_APPM 370-1 | Introduction to Computational Neuroscience | | MWF 11:00-11:50 Riecke | |
| ES_APPM 372 | Introduction to the Analysis of RNA Sequencing Data | MW 3:30-4:50 Kath | | |
| ES_APPM 395 | Special Topics: Simple Discrete Models | | MW 2:00-3:20 Amaral | |
| ES_APPM 395 | Special Topics: Mathematics of Life | | | MW 2:00-3:20 Mani |
| ES_APPM 405-1 | Statistics and Data Science | TTh 3:30-4:50 Amaral | | |
| ES_APPM 414 | Differential Equations of Mathematical Physics | | TTh 9:30-10:50 Volpert | |
| ES_APPM 420-1 | Asymptotic and Perturbation Methods in Applied Mathematics | TTh 9:30-10:50 Volpert | | |
| ES_APPM 421-1 | Models in Applied Mathematics | MW 2:00-3:20 Miksis | | |
| ES_APPM 444 | High Performance Scientific Computing | | | MW 12:30-1:50 Chopp |
| ES_APPM 446-1,2 | Numerical Solution of Partial Differential Equations | MWF 11:00-11:50 Bayliss | | |
| ES_APPM 448 | Numerical Methods for Random Processes | | MW 3:30-4:50 Kath | |
| ES_APPM 472 | Introduction to the Analysis of RNA Sequencing Data | MW 3:30-4:50 Kath | | |
| ES_APPM 479 | Data Driven Methods for Dynamical Systems | | | TTh 9:30-10:50 Mangan |
| ES_APPM 495 | Special Topics: Biological Fluid Dynamics | | MW 12:00-1:20 Vlahovska | |
| ES_APPM 495 | Selected Topics: Mass Action Kinetics (Metabolism and Solar Cells) | | | TTh 2:00-3:20 Mangan |