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## 2024-25 ACADEMIC COURSES

### PHY 211 : ANALYTICAL PHYSICS I

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In this course, students will develop their understanding of the concepts of mechanics (kinematics, forces, work-energy, impulse, translational and angular momentum, fluids), vibration (and waves) and fundamental thermodynamics. Laboratory exercises are included to assist students in understanding the above topics and to develop skills in data analysis methods. This is the first of a two-course sequence in calculus-based Newtonian physics for students intending to major in science or engineering. Level I Prerequisite: Academic Reading and Writing Levels of 6; PHY 111 and MTH 191, minimum grade "C"

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Description	Hours
Credits	5
Lecture Hours	75
Clinical Hours	0
Lab Hours	30
Other Hours	0
Total Hours	105

Accurate as of 06/28/2024 Information is subject to change without notice.