

## **REGISTRATION INFORMATION FOR INTERMEDIATE AND ADVANCED PHYSICS COURSES 2018-2019 AND SUBSEQUENT YEARS**

The Physics Department hopes the following schedule for offering Physics and Physics-related courses in 2018-2019 and subsequent years will help students plan their course schedules. Please check with the Head of the Department of Physics or the Department Secretary if you have questions.

### **ALTERNATION OF COURSES**

In order to be able to offer a greater variety of courses, the Physics Department offers some courses on an alternate year basis and others every year.

#### **Courses Offered Every Semester**

|   |   |
|---|---|
| PHYSICS 1000 Physics in Everyday Life (3) | SCI ED 1300 Inquiry into Physical Science (4)   |
| PHYSICS 1400 Conceptual Physics (4)       | SCI ED 3300 Orientation to Science Teaching (4) |
| PHYSICS 1511 General Physics I (4)        |   |
| PHYSICS 1512 General Physics II (4)       |   |

#### **Courses Offered Every Year**

| Fall  | Spring                                       |
|---|--|
| PHYSICS 1100 First-Year Prjs. In Physics (1)      | PHYSICS 1702 Physics II for Sci. & Engr. (4) |
| PHYSICS 1701 Physics I for Sci & Engr. (4)        | PHYSICS 2700 Math. Methods of Physics (3)    |
| PHYSICS 2300 Physics III: Theory & Simulation (3) | PHYSICS 4080 Resources for Tching Phys. (2)  |
| PHYSICS 3700 Physics Seminar (1)                  | PHYSICS 4100 Modern Physics (4)              |
| PHYSICS 4200 Nanoscience (3)                      | PHYSICS 4110 Modern Physics Laboratory (2)   |
| PHYSICS 4300 Introduction to Electronics (4)      | PHYSICS 4860 Computational Physics (3)       |
| PHYSICS 4600 Classical Mechanics (4)              |  |
| SCI ED 4700 Methods Tching Physical Sci. (3)      |  |

#### **Courses Offered in 2018-2019, 2020-2021, etc.**

| Fall                             | Spring                                 |
|----------------------------------|--|
| PHYSICS 4050 Optical Science (3) | PHYSICS 4210 Nanotechnology (3)        |
|                                  | PHYSICS 4310 Physical Computing (4)    |
|                                  | PHYSICS 4900 Thermo. & Stat. Mech. (4) |

#### **Courses Offered in 2019-2020, 2021-2022, etc.**

| Fall   | Spring                             |
|--|------------------------------------|
| PHYSICS 4700 Electrodynamics (4)             | PHYSICS 4800 Quantum Mechanics (4) |
| PHYSICS 4750 Physics of Modern Materials (3) |                                    |

The courses listed do not represent all of the advanced course offerings of the Physics Department, but only those that are regularly scheduled. For example, the course PHYSICS 3186 “Studies in...” has been frequently offered during both semesters and is devoted to topics or areas of physics usually not covered in regular courses. In this way topics such as general relativity, particle physics, and astrophysics can be addressed. Also usually offered upon student request: “Cooperative Education” (PHYSICS 3179), “Undergraduate Research in Physics” (PHYSICS 3000), “Internship in Applied Physics” (PHYSICS 3500), “Laboratory Projects” (PHYSICS 4450), and “Readings in Physics” (PHYSICS 4950).