

# PHYSICAL SCIENCES (PSC)

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## PSC1121 PHYSICAL SCIENCES SURVEY (3.00 Credits)

PSC 1121 is a survey course outlining topics in astronomy, chemistry, geology, meteorology and physics. The course is intended for the non- major student. The student will compose writing projects and analyze problems using analysis in algebra.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

Complete all the courses in one of the following options:

- Option 1 - Prerequisite: MAT0028C (minimum grade: C)
- Option 2 - Prerequisite: MAT1033 (minimum grade: C)
- Option 3 - Prerequisite: MGF1131 (minimum grade: C)
- Option 4 - Prerequisite: STA2023 (minimum grade: C)
- Option 5 - Prerequisite: MAC1105 (minimum grade: C)
- Option 6 - Prerequisite: MAC1114 (minimum grade: C)
- Option 7 - Prerequisite: MAC1140 (minimum grade: C)
- Option 8 - Prerequisite: MAC2233 (minimum grade: C)
- Option 9 - Prerequisite: MAC2311 (minimum grade: C)
- Option 10 - Prerequisite: MAC2312 (minimum grade: C)
- Option 11 - Prerequisite: MAC2313 (minimum grade: C)
- Option 12 - Prerequisite: MAP2302 (minimum grade: C)
- Option 13 - Prerequisite: MAS2103 (minimum grade: C)
- Option 14 - Prerequisite: MAC1147 (minimum grade: C)
- Option 15 - Prerequisite: MAT0028C (minimum grade: C)

## PSC2910 DIRECTED INDEPENDENT RESEARCH (0.00 Credits)

Students (individually or in a group) will conduct research projects or certain aspects of research projects under the supervision of the instructor. This course is intended to help students acquire skills in applying research principles and obtaining practice in rigorous data collection and reporting in physical sciences. Hours may vary. Permission of instructor is required.

Total Contact Hrs: 48.00

Other Hrs: 48.00

## PSC2914 INDEPENDENT RESEARCH IN THE PHYSICAL SCIENCES (0.00 Credits)

Students (individually or in a group) will conduct research projects or certain aspects of research projects under the supervision of the instructor. This course is intended to help students acquire skills in applying research principles and obtaining practice in rigorous data collection and reporting. Hours may vary. Instructor permission required. The instructor may incorporate any 5 or more objectives as appropriate to the given student project.

Total Contact Hrs: 48.00

Other Hrs: 48.00

## PSC3639C MARINE BENTHIC ECOLOGY (3.00 Credits)

Open to advanced undergraduates with consent of instructor and completion of prerequisites or with permission of instructor(s). The course consists of lectures, substantial readings and field sessions. This course introduces students to the basic ecological aspects of corals and coral reef ecosystems. Content includes ecological principles such as biophysical components, diversity and resilience. Identification of coral reef species from the Caribbean and Florida are examined. The field study portion of the class illustrates concepts from the lectures and give students practical experience in basic coral reef.

Total Contact Hrs: 48.00

Lecture Hrs: 32.00

Lab Hrs: 16.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: BSC2010 (minimum grade: C) and BSC2010L (minimum grade: C)

PSC4473C SCIENTIFIC DIVING (0.00 Credits)

The Scientific Diving course provides background and hands-on training to promote safe and productive scientific diving. This course is designed to meet the American Academy of Underwater Sciences (AAUS) standards for the training and certification of scientific divers and the operation of scientific diving programs. Content includes dive planning and safety, equipment, instruction for underwater surveys, data management and reporting. Certifications in Cardiopulmonary Resuscitation (CPR), Automated External Defibrillator (AED), First Aid, and Oxygen Administration comprise a portion of the course.

Total Contact Hrs: 64.00

Lecture Hrs: 32.00

Lab Hrs: 32.00

Fees: EDU/ACCIDENT INSURANCE \$4.75

Complete all the courses in the following option:

- Prerequisite: PSC3639C (minimum grade: C)

PSC4912 INDEPENDENT RESEARCH IN THE PHYSICAL SCIENCES (0.00 Credits)

Students (individually or in a group) will conduct research projects or certain aspects of research projects under the supervision of the instructor. This course is intended to help students acquire skills in applying research principles and obtaining practice in rigorous data collection and reporting. Hours may vary. Instructor permission required. The instructor may incorporate any 5 or more objectives as appropriate to the given student project.

Total Contact Hrs: 48.00

Other Hrs: 48.00

PSC4930 SPECIAL TOPICS IN PHYSICAL SCIENCE (0.00 Credits)

Course centers around topics of current interest or special interest to students or instructors. Topics or focus may vary from semester to semester.

Total Contact Hrs: 48.00

Other Hrs: 48.00

PSC4948 SENIOR INTERNSHIP (3.00 Credits)

A course designed to provide training in a student's field of student through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and intern host. EVR BS Department approval required.

Total Contact Hrs: 144.00

Other Hrs: 144.00

Fees: EDU/ACCIDENT INSURANCE \$4.75