PREREQUISITES: Permission of Instructor Card. BIOL/MARS 3415 is suggested. Students must be capable swimmers.

OBJECTIVES: Students will be exposed to a variety of tropical marine habitats, including coral reefs, mangrove swamps, lagoons, sea grass beds, and deep water benthos.

COURSE CONTENT: The first part of the course will include lectures on the natural history and marine organisms of Florida. This will be followed by a field trip to the Florida Keys.

ATTENDANCE: Required.

CLASS FORMAT: Lecture, then field/lab/boat/snorkeling trip.

LABORATORY/FIELD EXPERIENCE: Beach walk, snorkeling in coral reefs, and grass beds. Some SCUBA is optional for students with SCUBA certification.

READINGS: To be determined.

PAPER/PROJECT: One paper on an ecosystem or a group of organisms likely to be encountered, and another on the analysis of field notes.

EVALUATION: Test (25%), Paper No. 1 (25%), Paper No. 2 (25%), Field Trip Conduct/Behavior (25%).
MARS 3746-101
NJ Field Ichthyology
Rudolf. Arndt
MT 8:00AM-6:00PM
Summer A 2006

PREREQUISITES: BIOL 1100 and Permission of Instructor Required Prospective students must meet with Instructor before able to register. Junior or students preferred students preferred.

OBJECTIVES: To Familiarize (Meaning To Basic Identification and Ecology) the Student with the Freshwater Fishes that Occur in New Jersey (and Thus in Much of the Eastern U.S.), and With Basic Sampling, Preservation, Collection-Labeling and Field Note-Taking Techniques

COURSE CONTENT: Extensive (All-Day) Field and Laboratory Experience, with Some Lectures. Students must be able to participate fully in all day Fieldwork.

ATTENDANCE: Required ((Note that the class meets only two days per week, but that on those days we meet for 10 hours).

CLASS FORMAT: Maximum of 8 Students Will Be Admitted. There will be an Introductory Lectures, and Then Extensive Field and Laboratory Work

LABORATORY/FIELD EXPERIENCE: Extensive (See Above), to Comprise About 90 % of the Course.


PAPERS PROJECTS: Preparation of Lists With Counts and Sizes of the Specimens We Collected, by Collection Site and Date. These list to be typed and neat.

EVALUATION: Based on: Attendance (25%), Attitude and Participation (25%), Species Lists (See Above) (25%), and Final Laboratory Practical Examination (25%)