

# Research Experiences for Undergraduates



## REU Marine & Atmospheric Sciences Summer Program Stony Brook University June 2 st to August 6, 2010

### Instructions

Complete all items on this form and return to:

### School of Marine & ATM Sciences REU Program

Stony Brook University

Stony Brook, NY 11794-5000

tel: 631.632.8655 or 632.8726 fax: 631.632.4525

Your complete REU application contains the following items:

- ✓ Application form
  - ✓ Essay
  - ✓ Two letters of recommendation\*
  - ✓ Official transcript
- \*may be mailed separately.

Application forms and essays may be sent by email to [jyaller@notes.cc.sunysb.edu](mailto:jyaller@notes.cc.sunysb.edu). Please remember that if you have already participated in an OCE-funded REU site program you are NOT ELIGIBLE for a second internship except under unusual circumstances. ALSO: You must be a U.S. citizen or permanent resident to participate in an REU program.

*Applications are due by February 17, 2010; decisions by March 15.*

### Applicant Data

Last Name	First Name	Middle Initial
Email	Best phone # (#s) for contacting you:	
Citizenship Status: Please state whether you are a <input type="checkbox"/> U.S. Citizen <input type="checkbox"/> Permanent Resident	Date of Birth	
College or University	Major(s)	
Overall GPA	Expected Graduation Date	
Total Credits Completed as of 6/2010		

1) Current mailing Address (Use campus mailing address, or address used during academic year):

City	State	Zip Code	Phone
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2) Permanent Mailing Address:

City	State	Zip Code	Phone
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### Research Experience

Detail any previous research experience you may have had. This information will be used to help determine your research placement.

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### Honor and Awards

List relevant honors or awards

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**Essay: Please tell us about yourself.** Attach a typed essay (250-500 words) describing your general scientific/ research interests and how they relate to the summer research area you have selected below. What are your educational and career goals? How will participation in this program help you? Be sure to put your name at the top of each page.

**Research Areas of Interest:** Please rank, in order, your preferences among the research areas available.

\_\_\_\_\_ Molecular ecology- shark behavior and population biology, marine conservation

\_\_\_\_\_ Coastal groundwater hydrology, influences of tides and rainfall on groundwater characteristics and water quality

\_\_\_\_\_ Evolutionary ecology and fisheries- climatic factors influencing physiology and population structure

\_\_\_\_\_ Coastal meteorology- diurnal convection and precipitation studies, radar and weather estimations, and mesoscale models.

\_\_\_\_\_ Atmospheric chemistry- measurement and characterization of biogenic sources of coastal aerosols

\_\_\_\_\_ Biogeochemistry and Microbial Processes- primary productivity, microbial activities, animal-sediment interactions and bioturbation, fluxes of greenhouse gases, and nutrient cycling in coastal ecosystems.

**Faculty References – Name and Contact Information** PLEASE WRITE LEGIBLY

1) Name		Institution	
Phone Number ( )	E-mail	FAX ( )	
2) Name		Institution	
Phone Number ( )	E-mail	FAX ( )	

**Important Information for this program:**

Is there any reason you cannot participate in fieldwork?\* \_\_\_\_\_

Swimming Ability (please rate) % \_\_\_\_\_

Computer familiarity/skills (e.g. platforms used, operating systems used, languages used)

\_\_\_\_\_

### **Additional Data - Optional**

For data collection purposes only, please complete the following.

*(Note: this information will not be used to determine participation in the program.)*

#### **Race/Ethnic Group**

African American  Asian  Caucasian  Latino  Native American  
 Other (*fill in*)

#### **Sex**

Female  Male

\* Persons with disabilities requiring an accommodation should call Professor J. Aller (631) 632-8655.

% We will be snorkeling to collect samples if you are studying fish or sharks. You do not have to have SCUBA certification to participate. Other projects will require transport by small boats to reach study sites, but will not require that you swim.

*The State University of New York is an equal opportunity/affirmative action educator and employer*