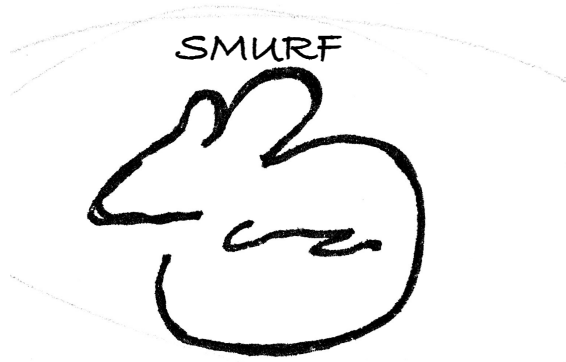


# SMURF Program Application



*Small Mammal Undergraduate Research in the Forest*

## **Small Mammal Undergraduate Research in the Forest (SMURF) Internship Program**

ENVS Internships  
Forest Ecology Research Plot  
UC Natural Reserves  
Norris Center for Natural History  
Departments of Environmental Studies  
& Ecology and Evolutionary Biology  
University of California, Santa Cruz

### **Application Instructions**

Please fill out the following application for either the SMURF Summer or Year-Long Program. If you would like to include your resume or CV, please attach it to your application. Email your completed application to Tina Cheng: [tilcheng@ucsc.edu](mailto:tilcheng@ucsc.edu) or drop off a hard copy in the ENVS Internship Office (491 Interdisciplinary Sciences Building).

#### **Personal Information**

|      |       |
|------|-------|
| Name | Email |
|------|-------|

#### **Academic Information**

|   |   |
|---|---|
| Major/Minor   | Department                                      |
| Current Academic Status<br><br>__1st Yr   __2nd Yr<br>__3rd Yr   __4th Yr   __5th Yr<br>Other _____ | Anticipated Graduation Date<br>(Quarter + Year) |

# SMURF Program Application

## Courses

*Which of the following courses are you applying for (check one or both)?*

### I. SMURF Summer Course (Sessions 1 & 2)

The SMURF summer course is an introduction to the natural history of local small mammals and field-based research working with small mammals (rodents). Interns will meet once a week for classroom instruction and activities. Interns will also participate in two field sessions during the summer consisting of 3 consecutive-day small mammal trapping sessions at the UCSC Forest Research Ecology Plot (FERP) and Fort Ord National Monument.

### II. SMURF Year-long Independent Research Program (Fall, Winter, and Spring Quarters)

The SMURF year-long program supports students interested in conducting independent research projects (e.g. senior theses). The program officially begins in the Fall Quarter, although we recommend (but don't require) interns participate in the Summer Program in order to get a head start to developing their research project. The Fall Quarter internship (2-unit) will provide an introduction to small mammal research and help interns to develop & design independent research projects. During the Winter Quarter internship (5-unit), interns will be trained in research skills needed to complete their project (e.g. statistical analysis with R, lab work, etc.) and write a mock grant that describes their research. During the Spring Quarter internship (5-unit), interns will take BIOE 183W/L where they will prepare a written report (e.g. thesis or scientific manuscript) of their work. Interns will participate in small mammal trapping census sessions each quarter, which takes place over an intensive 4 days. Interns will be expected to present their work at a conference and/or conduct science outreach in a local K-12 classroom. Time requirements as specified by the ENVIS internship office are 60 hours/quarter for 2-unit courses and 120 hours/quarter for 5-unit courses.

## Key Dates

### **SUMMER PROGRAM:**

- Application Deadline: May 30<sup>th</sup>, 2016
- Notification of selection: June 3<sup>rd</sup>, 2016
- SMURF Summer Program: June 20<sup>th</sup> – August 26<sup>th</sup>, 2016

### **YEAR-LONG INDEPENDENT RESEARCH PROGRAM:**

- Application Deadline: August 30<sup>th</sup>, 2016
- Notification of selection: September 3<sup>rd</sup>, 2016
- Program duration: Fall, Winter, Spring Quarters

# SMURF Program Application

**Short Answer Questions** *(please be concise):*

Why are you interested in participating with SMURF?

What are your academic/career goals, and how will participating in the SMURF internship program help you achieve these goals?

If you applied for the Summer Program, are you interested in the Year-Long Independent Research Program (this is not required!)?

If you applied for the Year-Long Independent Research Program, are you able to participate in the summer program (this is not required!)?

Have you done fieldwork before (either through a course or outside of school)? Or, do you have outdoors experience (recreational or through school)?

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What type of science is most interesting to you? (e.g. conservation biology, physiology, disease ecology, behavioral ecology, evolution, etc.)

We ear tag and take ear tissue samples from small mammals, which can cause momentary discomfort to these animals. Are you comfortable with this type of work?

What challenges do you face at UCSC, and how would participating in SMURF help you to overcome these challenges?

*Thank you for applying to the SMURF Internship Program! If you have any questions, please don't hesitate to contact the SMURF graduate mentor:*

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Ecology & Evolutionary Biology  
UC Santa Cruz