

Student Name: \_\_\_\_\_

Perm: \_\_\_\_\_

**EMPHASIS IN CLIMATE SCIENCES AND CLIMATE CHANGE – 2020-21**

Applicants must first be admitted to, or currently enrolled in, a UCSB Ph.D. program in Earth Science, Economics, Environmental Science and Management, Geography, or the Interdepartmental Graduate Program in Marine Science. Candidates pursuing the Ph.D. Emphasis in Climate Sciences and Climate Change must also fulfill departmental and University requirements related to their degree program. Work completed in satisfaction of departmental Ph.D. requirements may also be used to satisfy emphasis requirements.

The program includes faculty and students in the College of Letters and Science and the Bren School. This Ph.D. emphasis provides doctoral students a broader understanding of the physical principles governing climate on Earth, climate changes associated with natural variability and anthropogenic forcings and impacts on the environment and society.

REQUIRED COURSES			
Participation in the Ph.D. emphasis requires satisfactory completion of a required graduate seminar course.			
COURSE #	COURSE NAME	UNITS	GRADE
GEOG 287	Seminar in Climate Science and Climate Change	4.0	
GEOG 280	Geography Climate Research Meetings (S/U)	2.0	
Students will be required to take two elective courses in the physical sciences and two elective courses in the social sciences. The total number of units will vary depending on which courses are selected. Generally, these are courses taught by participating faculty. A list of courses is provided each quarter*.			
COURSE #	COURSE NAME	UNITS	GRADE

\*Further courses can be proposed at any time and will be subject to approval by the Director and Steering Committee.

RESEARCH PRESENTATION
Students are required to present their research in the GEOG 288LC <i>Geography in Climate Research Meetings</i> , which are organized by Professor Carvalho (Geography). Enrollment every quarter. This requirement can be completed any time during the student's tenure at UCSB but before the final Ph.D. thesis defense.
Presentation completed: _____

### DISSERTATION

The Ph.D. thesis of students participating in this Emphasis needs to have a strong focus in Climate Sciences and/or Climate Change. The Chair or Co-Chair of the Ph.D. committee needs to be a member of the core Faculty participating in the Emphasis in Climate Sciences and Climate Change.

Dissertation Completed: \_\_\_\_\_

On completion, the student will submit their records of courses and research presentation to the Director of the Emphasis in Climate Sciences and Climate Change, and Steering Committee, which will certify to the Graduate Division that the requirements for the emphasis have been met, and send a letter to that effect to the student. Students will graduate with a Ph.D. from their home department along with wording on their transcript stating they have earned an Emphasis in Climate Sciences and Climate Change. For more information, visit the program website at [www.geog.ucsb.edu](http://www.geog.ucsb.edu)

### VERIFICATION OF COMPLETION

EMPHASIS REQUIREMENTS SATISFIED (DATE): \_\_\_\_\_

EMPHASIS DIRECTOR SIGNATURE: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_