PHYSICAL GEOGRAPHY MAJOR, B.S. – 2021-2022
OCEAN SCIENCE EMPHASIS

PREPARATION FOR THE MAJOR

1. Geography 3, 4 ........................................................................................................................................... 8
2. Geography 5 ............................................................................................................................................... 4
3. Math 3A-B (or 2A-B) and 4A ......................................................................................................... 12 or 14
4. Physics 6A-B-C or 1-2-3L-4-4L .................................................................................................... 9 or 16
5. PSTAT 5A or 5LS ...................................................................................................................................... 5
6. Chemistry 1A-1AL or 2A-2AC ........................................................................................................... 5
7. 12 units from: Chemistry 1B, 1BL, 1C, 1CL, 2B, 2BC, 2C, 2CC; MCDB 1A, 1AL, 1LL
   1B, 1BL; EEMB 2, 2L, 2LL, 3, 3L; Earth Science 2, 3, 4; Astronomy 1, 2; Math 4B, 6A, 6B, 8 ........ 12
   (Note: Chemistry 1A-B-C is prerequisite to MCDB 1A)
   Strongly recommended: Computer Science 8; Geography 12 (or W 12); any additional courses
   from the above elective selection

UPPER-DIVISION MAJOR

44-48 UD units are required, distributed as follows:

A. 1 class from Statistical Analysis:
   Geography 172; PSTAT 120A (or W 120A); Earth Science 134 ...................................................... 4-5
B. 1 class of Physical Oceanography:
   Geography 104 ..................................................................................................................................... 4
C. 3 classes from Oceanography and Marine Systems:
   Geography 132, 149, 158, 163, 165; EEMB 142B-C ......................................................................... 12
D. 3 classes from Climate and Earth System Science:
   Geography 110, 119, 131, 133, 134, 142, 166; Earth Science 105, 130, 164B ................................. 12
E. 3 classes from Geographical Techniques:
   Geography 115A-B-C, 117, 126, 128, 175, 176A-B-C, 178, 183, 184, 186, 190, 191 ............ 12-15
   Note: Geography 115A-B-C or 176A-B-C are recommended sequences

   Note: Geography 193, 198, 199, 199RA may be applied to any UD area by petition, depending on the subject matter,
   up to a maximum of 5 units. A maximum of 8 units from courses in related fields may be applied to the major by
   petition (see department office or website for more information).

MAJOR REGULATIONS

PREREQUISITES ........................................................................................................................................
Check the General Catalog for the prerequisites to all listed courses.

P/NP GRADING OPTION .........................................................................................................................
Up to 5 units of the following courses may be taken P/NP for major credit: Geography 193, 198, 199RA.
All other major courses (prep or UD), including those applied to the major from other departments, must be completed on a letter-graded basis.

SUBSTITUTIONS .................................................................................................................................
In the major requirements are permissible only by petition to the department chair and dean.

RESIDENCE REQUIREMENTS ............................................................................................................... At least 20 UD units in major while in residence at UCSB.

G.P.A. REQUIREMENTS ......................................................................................................................... At least 2.0 overall UC average in all upper-division major courses and all courses (Prep and UD)
for the major.

DOUBLE MAJORS ............................................................................................................................
With the approval of each department chairperson, up to a total of 8 units may be applied
simultaneously to both UD majors.