
Minor Program Requirements:

**Geophysics**

- Engineering 6 or Computer Science Engineering 30 or Mechanical Engineering 5
- Geology 160, 161, 162, 163
- Applied Science Engineering 115

One course sequence chosen from the following:

- (a) Atmospheric Science 120, 121A, 121B
- (b) Geology 101, 101L or
- (c) Mathematics 118A, 118B, 118C or
- (d) Physics 104A or Engineering 180; and Physics 105A; and Engineering 104 or Hydrology 103N or Physics 105C

**Minor Adviser:** Magali Billen, Department of Earth and Planetary Sciences.

---

**German**

[College of Letters and Science]

Jaimey Fisher, Ph.D., Chairperson of the Department

Department Office: 213 Sprout Hall 530-752-1219; http://german.ucdavis.edu

**Faculty**

- Carlee Arnett, Ph.D., Associate Professor
- Jaimey Fisher, Ph.D., Associate Professor
- Gail Finney, Ph.D., Professor
- Distinguished Teaching Award/Academic Advisor
- Elisabeth Krimmer, Ph.D., Professor
- Sven-Erik Rose, Ph.D., Associate Professor
- Chunjie Zhang, Ph.D., Assistant Professor
- Ermerit Faculty
- John F. Fetzer, Ph.D., Professor Emeritus
- Ingeborg Henderson, Ph.D., Senior Lecturer Emerita
- Academic Senate Distinguished Teaching Award
- Winder McConnell, Ph.D., Professor Emeritus
- Karl R. Menges, Ph.D., Professor Emeritus
- H. Guenther Nerjes, Ph.D., Associate Professor Emeritus
- Fritz Sammar-Frankenegg, Dr.Phil., Lecturer Emeritus

**Affiliated Faculty**

- Kirsten Harges, Ph.D., Lecturer
- The Major Program
- The German major explores in depth the literature and language, the culture and commerce of the German-speaking world (Germany, Austria and Switzerland). The key to the major lies in the careful balance between solid core requirements and the possibility to explore German subject areas through the lens of other disciplines, such as music, art, philosophy, history, and economics.
- The Program. The department offers courses that highlight literary figures, movements and trends. These courses form the core of upper-division literature electives, but we also offer courses that discuss contemporary culture and commerce in German-speaking countries. Regardless of emphasis, students will find maximum practice in spoken and written German and as in listening comprehension in all upper-division courses offered in German.
- Career Alternatives. Completion of the major prepares students for graduate study in German or for career opportunities in international fields ranging from employment in business and government to careers in the fine arts and sciences. Also, it permits admission to professional schools such as law and medicine.

---

**Geology**

See Earth and Planetary Sciences, on page 237.

**Geophysics**

[College of Letters and Science]

Geophysics is the study of the physical properties and processes that sustain and surround the Earth. Many problems in the Earth Sciences require geophysical techniques for study. The interdisciplinary minor in geophysics is for students with backgrounds in the physical sciences, engineering and other fields who are interested in pursuing a graduate or professional career in geophysics, or those who desire a career in the energy, minerals, or environmental industries. The minor is sponsored by the Department of Geophysics and Professional Programs.

**Minor Program Requirements:**

**UNITS**

- Engineering 6 or Computer Science Engineering 30 or Mechanical Engineering 5
- Geology 160, 161, 162, 163
- Applied Science Engineering 115

One course sequence chosen from the following:

- (a) Atmospheric Science 120, 121A, 121B
- (b) Geology 101, 101L or
- (c) Mathematics 118A, 118B, 118C or
- (d) Physics 104A or Engineering 180; and Physics 105A; and Engineering 104 or Hydrology 103N or Physics 105C

**Minor Adviser:** Magali Billen, Department of Earth and Planetary Sciences.

---

**A.B. Major Requirements:**

**Preparatory Subject Matter**

- German 1-2 or (the equivalent).......................... 0-15
- German 20, 21, 22........................................ 0-12

**Depth Subject Matter**

- **General Preparation:**
  - German 101A, 101B, 103.................................. 12
  - German 120 or 118........................................ 4
  - Four courses chosen from upper-division offerings taught in German.......................... 16
  - Three additional upper-division courses selected from either 104-109 or 121-198.......................... 12
  - Or courses in other disciplines that focus on German history, thought, and culture, upon approval of the major adviser. Electives include, but are not limited to:
    - Art History 176C, 177A, 177B
    - Comparative Literature
    - Economics 110B, 116, 160A and 160B, 162
    - Film Studies 142, 176A, 176B
    - History 142A, and 142B, 144A and 144B
    - Music 110A, 110C, 110D, 110E
    - Philosophy 170, 175
    - Political Science 171A, 18C, 137

- **Note:** Many of the above electives from other disciplines have prerequisites.

- The total of 44 upper-division units may include units earned in the Education Abroad Program.

**Total Units for the Major**

- **44**

**Minor Program Requirements:**

- The Department offers a German minor consisting of at least 20 upper-division units of courses taught in German. Students wishing to minor in German should consult the undergraduate adviser.

**Minor Program Requirements:**

**UNITS**

- **German**
  - Major Adviser: C. Zhang
  - Honors and Honors Program. The honors program consists of two quarters of research (194H) terminating in an honors thesis. For details consult the undergraduate major adviser. Graduation with high or highest honors requires participation in the honors program.
  - **Graduate Study.** The Department offers programs of study and research leading to the M.A. degree and to the Ph.D. degree in German literature. Additional degree options for a designated emphasis are available through departmental affiliations with the programs in Social Theory and Comparative History, Critical Theory, Feminist Theory and Research, and Second Language Acquisition. Detailed information may be obtained by writing to the Department Chairperson or the Graduate Adviser.
  - **Graduate Adviser:** S.-E. Rose
  - **Prerequisite Credit.** Credit normally will not be given on the lower-division level for a course that is the prerequisite of a course already successfully completed.

**Courses in German (GER)**

**Lower Division**

**Course Placement.** Students with two years of high school German normally continue in German 2; those with three years, German 3; those with four years, German 20.

1. **Elementary German**

- **Discussion—5 hours; laboratory—1 hour. Not open to students who have taken course 1A. Introduction to German grammar and development of all language skills in a cultural setting with special emphasis on communication. Students who have successfully completed German 2 or 3 in the 10th or higher grade in high school may receive unit credit for this course on a P/NP grading basis only. Although a passing grade will be charged to the stu-
dent's P/NP option, no petition is required. All other students will receive a letter grade unless a P/NP petition is filed. GE credit: ArtHum | AH, WC.—F, S. (F. S.) Arnett

1A. Accelerated Intensive Elementary German (15)
Lecture-discussion—15 hours. Special 12 week accelerated, immersion course that combines the work of courses 1, 2, and 3. Introduction to German grammar and development of all language skills in a cultural context with emphasis on communication. Not open to students who have completed courses 1, 2, or 3. —Su. (Su.) Arnett

2. Elementary German (5)
Discussion—5 hours; laboratory—1 hour. Prerequisite: course 1. Not open for credit to students who have taken any part of course 1A. Completion of grammar sequence and continuing practice of all language skills through cultural texts. GE credit: ArtHum | AH, OL, WC.—S. (S.) Arnett

3. Elementary German (5)
Discussion—5 hours; laboratory—1 hour. Prerequisite: course 2. Not open to students who have taken course 1A. Completion of grammar sequence and continuing practice of all language skills through cultural texts. GE credit: ArtHum | AH, OL, WC.—S. (S.) Arnett

10. German Fairy Tales from the Grimm’s to Disney (4)
Lecture-discussion—3 hours; term paper. Introduction to the genre of fairy tale with a focus on the Brothers Grimm and Hans Christian Andersen in their respective political/cultural contexts. Discusses filmic adaptations by Disney, the East German DEFA and Hollywood. GE credit: ArtHum, Div, Wrt | AH, VL, WE.—Kriemhild Krimmer

11. Travel and the Modern World (4)
Lecture-discussion—3 hours; extensive writing. Prerequisite: completion of entry level writing requirement. Examination of travel as an essential human activity and experience of global modernity and cross-cultural encounters from the 18th to the 21st century with an emphasis on German-speaking culture. Travelogues, literature, art, memoirs, and films in English translation. (Same course as Comparative Literature 11.) GE credit: ArtHum, Div, Wrt | AH, VL, WE.—F, W, S. (F, W, S.) Zhang

20. Intermediate German (4)
Lecture-discussion—3 hours; extensive writing. Prerequisite: course 3; may be taken concurrently with course 6. Review of grammatical principles by means of written exercises; expanding of vocabulary through readings of modern texts. GE credit: ArtHum | AH, OL, WC.

21. Intermediate German (4)
Lecture-discussion—3 hours; extensive writing. Prerequisite: course 3; may be taken concurrently with course 6. Review of grammatical principles by means of written exercises; expanding of vocabulary through readings of modern texts. GE credit: ArtHum | AH, OL, WC.

22. Intermediate German (4)
Lecture-discussion—3 hours; extensive writing. Prerequisite: course 3; may be taken concurrently with course 6. Review of grammatical principles by means of written exercises; expanding of vocabulary through readings of modern texts. GE credit: ArtHum | AH, OL, WC.

40. Great German Short Stories (in English) (4)
Lecture-discussion—3 hours; extensive writing. Major German short stories from Goethe at the end of the Enlightenment to Thomas Mann at the beginning of the twentieth century. Offered irregularly. GE credit: AH, OL, WC, WE.

45. Vampires and Other Horrors in Film and Media (4)
Lecture—2 hours; discussion—1 hour; film viewing—3 hours. History of representations of vampires and horror generally from the 19th through 21st centuries. Emphasis on transnational history of the horror genre, psychologies of horror effects; issues of race, gender, and class; intersections with prejudice, medicine, modernity. (Same course as Film Studies 45.) GE credit: ArtHum | ACGH, AH, DD, OL, VL, WC, WE.—Fisher

48. Myth and Saga in the Germanic Cultures (4)
Lecture—3 hours; term paper. Knowledge of German not required. English translation from the Norse Eddas, the Volsung and Sigurd cycle, and the Gudrun lays; literary mythology in German Romanticism culminating in Wagner’s “total art work” concept and The Ring of the Nibelung cycle. May not be taken toward a major in German. Offered irregularly. GE credit: ArtHum, Wrt | AH, VL, WE, WC.

49. Freshman Colloquium (2)
Seminar—2 hours. Prerequisite: open only to students who have completed 40 or fewer quarter units of transferable college-level work. Readings, discussion and written projects treating topics such as communist-capitalist tension in German literary culture; masochism; “neurotic” versus “normal” concept and post-Holocaust national guilt and individual frustration—Germany’s new European “mission.” Offered irregularly.

92. Field Work in German (1-12)
Internship—3.36 hours. Prerequisite: lower division standing. Required. May not be taken toward a major in German. Offered only. GE credit: ArtHum, Wrt | AH, VL, WE.—Fisher

93. Directed Group Study (1-5)
Prerequisite: consent of instructor. Primarily for lower division students. (P/NP grading only.) Offered irregularly.

99. Special Study for Undergraduates (1-5)
(P/NP grading only.) Offered irregularly.

Upper Division

101A. Survey of German Literature, 800–1800 (4)
Lecture/discussion—3 hours; extensive writing. Prerequisite: course 22 or consent of instructor. German literature from the Middle Ages to Classicism (800–1800) with an overview of major movements and authors. GE credit: ArtHum | AH, OL, VL, WC, WE.—F, W, S. (F, W, S.) Zhang

101B. Survey of German Literature, 1800–Present (4)
Lecture/discussion—3 hours; extensive writing. Prerequisite: course 22 or consent of instructor. German literature from the Age of Romanticism (1800) to the present with an overview of major movements and authors. GE credit: ArtHum | AH, OL, VL, WC, WE.—F, W, S. (F, W, S.) Zhang

103. Writing Skills in German (4)
Lecture—3 hours; extensive writing—1 hour. Prerequisite: consent of instructor. Practice in different kinds of writing, such as abstracts, correspondence, lecture summaries, analysis of or response to short literary texts. GE credit: ArtHum | AH, OL, VL, WE, WC.—F, W, S. (F, W, S.) Zhang

104. Translation (4)
Lecture/discussion—3 hours; extensive writing. Prerequisite: course 22 or consent of instructor. Exercises in German to English and English to German translation using texts from the areas of culture and commerce. Not open for credit to students who have completed course 104A. Offered irregularly. GE credit: ArtHum | AH, OL, VL, WC, WE.—Fisher

105. The Modern German Language (4)
Lecture/discussion—3 hours; extensive writing. Prerequisite: course 22 or consent of instructor. Introduc tion to the linguistic analysis of contemporary German, including its phonology, morphology, syntax and semantics, as well as sociolinguistic considerations. Offered irregularly. GE credit: ArtHum, Wrt | AH, OL, VL, WE.—Arnett

109A. Business German (4)
Lecture/discussion—3 hours; laboratory—1 hour. Prerequisite: course 22 or consent of instructor. Specialized language course using business-oriented information and publications as the basis for discussions, roleplay, reports, compositions and translation. Offered in alternate years. —Kriemhild Krimmer

109B. Advanced Business German (4)
Lecture/discussion—3 hours; laboratory/discus sion—1 hour. Prerequisite: course 22 or consent of instructor. Specialized advanced language course providing in-depth study of major business topics with the help of authentic texts and videos. Offered irregularly.

112. Topics in German Literature (4)
Lecture/discussion—3 hours; extensive writing. Prerequisite: upper-division standing or consent of instructor. Investigation of significant themes and issues within their European context. Knowledge of German is not required. May be repeated one time for credit. Offered irregularly. GE credit: ArtHum, Wrt | AH, WC.

113. Goethe’s Faust (4)
Discussion—3 hours; term paper. Knowledge of German not required. Intensive study of Goethe’s Faust in its entirety. Discussions and readings in English; reading the text in the original is encouraged. Offered irregularly. GE credit: ArtHum, Div, Wrt | AH, VL, WE.

114. From Marlene Dietrich to Run, Lola Run: German Women and Film (4)
Lecture/discussion—3 hours; extensive writing; film viewing—3 hours. Knowledge of German not required. Women in German film from the Weimar Republic to present, with special emphasis on conceptualizations of gender, in particular and cultural context, aesthetic and filmic innovations. Offered in alternate years. GE credit: ArtHum, Wrt | AH, VL, OL, WC, WE.—Kriemhild Krimmer

115. German Literature Since 1945 (4)
Lecture—3 hours; extensive writing. Knowledge of German not required. Major writers of the post-war generation of Austria, Switzerland and Germany: novelists such as Böll, Grass, Johnson, Walsers; playwrights such as Frisch, Durrenmatt and Hochhuth; and poets, such as Celan, Enzensberger, and Aichinger. May be repeated for credit in different topic areas. Offered irregularly. GE credit: ArtHum, Div, Wrt | AH, VL, WE, WC.

116. Readings in Jewish Writing and Thought in German Culture (4)
Lecture—3 hours; term paper. Prerequisite: Religious Studies 23 or consent of instructor. Historical tradition of Jewish thought in Germany, the Holocaust, and Jewish life since 1945. May not be taken toward the major in German Literature or German Studies. Unique contributions of Jewish writers to culture of the German-speaking world; what it means to be “other” in the mainstream culture. No credit will be given to those students who have completed Humanities 121. May be repeated two times for credit if topic differs. (Same course as Jewish Studies 116.) Offered in alternate years. GE credit: ArtHum, Div, Wrt | ACGH, AH, DD, OL, VL, WC, W. (W.) Fisher

117. After the Catastrophe: Jews and Jewish Life in Post-1945 Germany (4)
Lecture/discussion—3 hours; term paper. Jews and Jewish culture in post-1945 Germany, with special attention given to literature, visual media, photography, film, as well as websites and other new media. Offered in alternate years. GE credit: ArtHum, Div, Wrt | ACGH, AH, DD, OL, VL, WC, WE.—Fisher

118A. Vienna at the Turn of the Twentieth Century (The End of the Habsburg Empire) (4)
Lecture—1 hour; discussion—2 hours; extensive writing. Knowledge of German not required. Cultural ferment in Vienna, capital of the multinational Habsburg empire, at the turn of the century, with consideration of innovations in literature, music, graphic arts, architecture, philosophy and psychology, heralding European modernism. Offered irregularly. GE credit: ArtHum, Wrt | AH, WC.—Finney
118B. Weimar Culture: Defeat, the Roaring Twenties, the Rise of Nazism (4)
Lecture—2 hours; discussion—2 hours; extensive writing.
Knowledge of German and ArtHum required. Expressionism in graphic arts, literature, film, New Objectivity, Brecht and Bauhaus considered in the context of the failure of democracy. Offered irregularly. GE credit: ArtHum, Wrt|AH, WC, WE.

118C. Germany Under the Third Reich (4)
Lecture/discussion—3 hours; term paper.
Prerequisite: background in modern European history; course 118B recommended. No knowledge of German required. Interdisciplinary study of German society and culture during the Third Reich (1933-45), focusing on the arts, history, philosophy, study of Fascist culture in literature, film, architecture, and the graphic arts; focus on everyday life in Hitler's Germany. Offered irregularly. GE credit: ArtHum, Wrt|AH, WC, WE.

118E. Contemporary German Culture (4)
Lecture/discussion—3 hours. Prerequisite: course 22 or consent of instructor. The political, economic, social and cultural scene of Germany today. Offered irregularly. GE credit: ArtHum, Wrt|AH, WC, WE.

119. From German Fiction to German Film (4)
Lecture—3 hours; discussion—1 hour; term paper. Examines a number of film adaptations of major German prose works and places to ascertain the types of changes involved in the shift from medium and the positive and negative effects achieved by such transfers. Offered irregularly. GE credit: ArtHum, Wrt|AH, OL, VL, WC.

120. Modern German Literature (4)
Lecture—3 hours; discussion—1 hour. Prerequisite: course 22 or consent of instructor. Major developments in German art, philosophical thought, social institutions, and political history. GE credit: ArtHum, Wrt|AH, OL, VL, WC, WE—Zhang

121. The Medieval Period in German Literature (4)
Discussion—3 hours; extensive writing. Prerequisite: course 22 or consent of instructor. Literary-historical profile of the Middle Ages in German literature in terms of the significant epic, romances, and lyric poetry. Readings in German. Offered irregularly. GE credit: ArtHum, Wrt|AH—Annett

122. Reformation and Baroque (4)
Lecture/discussion—3 hours; term paper. Prerequisite: course 22 or consent of instructor. Exemplary literary works of the 16th and 17th centuries tracing the principal lines of development and showing the reflection in literature of the social, as well as religious. Offered irregularly. GE credit: ArtHum, Wrt|AH, OL, VL, WC, WE.

123. Literature of the Classical Age (4)
Discussion—3 hours; term paper. Prerequisite: course 22 or consent of instructor. A critical assessment of principal works of Goethe and Schiller within the historical and philosophical context of their times. Offered irregularly. GE credit: ArtHum, Wrt|AH, WE.

124. Major Movements in German Literature (4)
Lecture/discussion—3 hours; term paper. Prerequisite: course 22 or consent of instructor. Significant movements and schools in German literary history (e.g., the medieval troubadours, Storm and Stress, the romanticists, the George Circle, the expressionists), with emphasis on the broader cultural dynamics and ideologies as they apply to individual literary works. May be repeated one time for credit when topic differs. Offered irregularly. GE credit: ArtHum, Wrt|AH, WC, WE—Finney

125. Modern German Literature (4)
Discussion—3 hours; extensive writing. Prerequisite: course 22. Selections from significant works of major contemporary writers; Mann, Kafka, Rilke, Brecht. Grass. May be repeated one time for credit with consent of adviser. Offered irregularly. GE credit: ArtHum, Wrt|AH, WC, WE—Finney

127. Major Writers in German (4)
Lecture/discussion—3 hours; extensive writing. Prerequisite: course 22 or consent of instructor. Examination of representative works by a major writer, set in the broader cultural context of the relevant period or movement; expected one time for credit when topic differs. Offered irregularly. GE credit: ArtHum, Wrt|AH, WC, WE.

129. Postwar Women Writers (4)
Lecture/discussion—3 hours; extensive writing. Prerequisite: course 22 or consent of instructor. Major writers in both Germanies, Austria, and Switzerland since 1945. Topics include the concept of a feminist aesthetics, East vs. West German writers, and the status of minority women writers in Germany (Jewish, Turkish-German, Afro-German). Offered irregularly. GE credit: ArtHum, Div|AH, Wrt|AH, WC, WE—Finney

131. German Lyric Poetry (4)
Lecture—3 hours; term paper. Prerequisite: course 22 or consent of instructor. Study of the genre of lyric poetry from the late Middle Ages through Renais- sance, Baroque, Classical, Romantic, and Modern periods in chronological form and the social climate of each period. Offered irregularly. GE credit: ArtHum, Wrt|AH, WC, WE—Finney

132. The German Novelle (4)
Lecture—3 hours; term paper. Prerequisite: course 22 or consent of instructor. Readings in the works of Germany's leading dramatists from the eighteenth century to the present day. Lessing, Goethe, Schiller, Kleist, Buchner, Hauptmann, Brecht. Offered irregularly. GE credit: ArtHum, Wrt|AH, OL, VL, WC, WE—Kimmer

134. Topics in German Intellectual History (4)
Lecture/discussion—3 hours; term paper. Prerequisite: course 22 or consent of instructor. Topics in German intellectual history with materials from a number of periods, genres, and disciplines. May be repeated two times for credit when topic differs. Offered irregularly. GE credit: ArtHum, Wrt|AH, WC, WE.

141. The Holocaust and its Literary Representation (4)
Lecture—2 hours; discussion—1 hour; term paper. Knowledge of German not required. Aesthetic representation and metaphorical transformation of the Holocaust in its human and historical perspectives. Offered irregularly. GE credit: ArtHum, Wrt|AH, WC, WE—Rose

142. New German Cinema (4)
Lecture/discussion—3 hours; extensive writing. Lecture—2 hours; term paper. Prerequisite: course 22 or consent of instructor. Topics in German intellectual history with materials from a number of periods, genres, and disciplines. May be repeated two times for credit when topic differs. Offered irregularly. GE credit: ArtHum, Wrt|AH, WC, WE—Fisher

143. Language Through Media (4)
Lecture/discussion—3 hours; term paper. Prerequisite: course 22 or consent of instructor. Study of contemporary German-language news media (press, video, film, CD-ROM, internet) for insight into political and cultural developments in the German-speaking countries. Offered irregularly. GE credit: ArtHum, Wrt|AH, OL, VL, WC, WE—Annett

144. Marx, Nietzsche, Freud (4)
Lecture/discussion—3 hours; term paper. Study of major texts of Marx, Nietzsche, and Freud, selected with an eye to their implications for modern socioeconom- ics, ethics, and attitudes toward the sexes. Particular focus on conceptions of the self and the individual's relationship to society. Offered in alternate years. (Same course as Humanities 144.) GE credit: ArtHum, Wrt|AH, WC, WE—Rose

160. Love in the Middle Ages (4)
Lecture—3 hours; discussion—1 hour. Prerequisite: course 22 or consent of instructor. Analysis of the phenomenon of love in selected medieval lyric poems and romances of the twelfth and thirteenth century Blutekzeiten. Origins of courtly love, love and individualism, love and the Church, love and adultery. Offered irregularly. GE credit: ArtHum, Div|AH, OL, VL, WC, WE—Annett

168. Multiculturalism in German Literature (4)
Lecture/discussion—3 hours; term paper or discussion—1 hour. Prerequisite: course 22 or consent of instructor. Examples of German Literature from the High Middle Ages to the present that explore the "encounter with the other" (peoples of color, different beliefs and cultures, and inner-German minorities). Offered irregularly. GE credit: ArtHum, Div|AH, OL, VL, WC, WE. 

176A. Classic Weimar Cinema (4)
Lecture/discussion—3 hours; film viewing—3 hours. Prerequisite: Humanities 1. German Weimar [1919-1933] cinema. Fritz Lang, F .W. Murnau, and G. W. Pabst among others. Influence on world-wide (esp. Hollywood) film genres such as film noir, horror, sci- ence fiction, and melodrama. May be repeated one time for credit to students who have completed Humanities 176. Offered irregularly. (Same course as Film Studies 176A) GE credit: ArtHum, Wrt|AH, OL, VL, WC, WE—Fisher

185. The Age of Bismarck (4)
Discussion—3 hours; term paper. Prerequisite: course 22 or consent of instructor. Notable literary repercussions of the zenith of Germany's interna- tional status at the time of Bismarck's Chancellorship. The poetry of Storm, the prose of Fontane, the drama of Hauptmann. Offered irregularly. GE credit: ArtHum, Wrt|AH, VL, WC, WE.

192. Field Work in Germany (1-12)
Intensive—3.36 hours. Prerequisite: course 109A or consent of instructor. Total immersion program in Germany or a German speaking setting in the U.S. to further develop student proficiency in the German language. May be repeated up to 12 units of credit with consent of instructor. (P/NP grading only.) Offered irregularly.

194HA. Honors Program (3)
Independent study—2 hours, term paper. Prerequisite: open only to majors with a 3.500 minimum GPA in at least 135 graduation units. Research of an integrative nature (in either "General" or "Area Stud- ies Emphasis" fields of major), guided by thesis adviser chosen by student. (P/NP grading only. Deferred grading only, pending completion of course sequence.)

194HB. Honors Program (3)
Independent study—2 hours, term paper. Prerequisite: open only to majors with a 3.500 minimum GPA in at least 135 graduation units. Writing of Honors Thesis on topic selected by student in consultation with thesis adviser. (P/NP grading only. Deferred grading only, pending completion of course sequence.)

1977. Tutoring in German (1-4)
Tutorial—3-12 hours. Prerequisite: consent of German Program Director. Tutoring in undergraduate courses including leading in small voluntary discussion groups affiliated with department courses. May be repeated up to eight units of credit. (P/NP grading only.)

198. Directed Group Study (1-5)
(P/NP grading only.)
Restrictions. No more than two courses from a single UC Davis Department may be offered in satisfaction of the minor requirement.

Foreign Language Study. Students are strongly encouraged to study a foreign language, particularly the language of the country in which and about which they intend to study. However, only upper division coursework may be used to fulfill requirements for the minor.

Global Disease Biology

(College of Agricultural and Environmental Sciences)
Department of Plant Pathology
Program Office, 152 Hutchison Hall 530-754-7277

Master Adviser: Johan H.J. Leveau, Ph.D., Professor (Plant Pathology)

Committee in Charge
Patricia A. Conrad, D.V.M, Ph.D., Professor (Pathology, Microbiology and Immunology)
Satyana Dandekar, Ph.D., Professor (Medical Microbiology and Immunology)
Thomas Gordon, Ph.D., Professor (Pathology)
Dori Borjeson, D.V.M, Ph.D., Professor (Pathology, Microbiology and Immunology)
Joe Watson, D.V.M., Professor (Medicine and Epidemiology)
Michael S. Wilkes, M.D., M.P.H., Ph.D., Professor (Internal Medicine)

Faculty
Faculty includes members of the Departments of Plant Pathology, on page 513; Veterinary Medicine, School of, on page 581; Medicine, School of, on page 427

The Major Program

The Global Disease Biology (GDB) major offers students the opportunity to study disease and its relationship to the health of people, animals, plants, and the environment. The program uses an integrated approach to advance student understanding of the concept(s) of disease, the societal and personal impacts of past, present and future diseases, and the science behind disease discoveries, causes, evolution, diagnostic assessment, and intervention. The program recognizes the interconnectedness of people, animals, plants, and the environment and aims to identify and address the fundamental causes of poor health of people, animals, and plants. Students in the major gain research experience and may choose to continue their training at the graduate or professional level in a variety of biological disciplines. Careers in medicine, veterinary medicine, and plant pathology are open to Global Disease Biology majors.

B.S. Major Requirements:

Preparatory Subject Matter

Global Disease Biology 90 ........................................... 6-8
Evolution and Ecology 100 ........................................... 4
Microbiology 101 ........................................................... 4-8
One course from Statistics 13, 100; Plant Sciences 120, 120A ......................................................... 4
Pathology, Microbiology & Immunology 129Y .......................................................... 3
Pathology, Microbiology & Immunology 127, 128, 156/156L; Global Disease Biology 103 ........................................... 6-9
Global Disease Biology 187 ................................................ 3
Global Disease Biology 189 ................................................ 3

Restricted Electives

25

Total Units for the Degree

125-134

Recommended

Biological Sciences 101D ........................................... 1
Global Disease Biology 189D ........................................... 1

Minor Program Requirements:
A minor in Global Disease Biology may complement student’s major program. Some courses have required prerequisites not included as part of the minor, and students should plan accordingly.

Global Disease Biology

Preparatory Subject Matter

Global Disease Biology 90 ........................................... 6-8
Global Disease Biology 100 ........................................... 4
Global Disease Biology 127, 128, 156; Global Disease Biology 103 ........................................... 6-9
Global Disease Biology 187 ................................................ 3
Global Disease Biology 189 ................................................ 3

Minor Program Adviser: TBA

Advising Center for the minor is located in 152 Hutchison Hall 530-754-7277.