

# Berkeley Summer Sessions 2019



# Table of Contents

Page 1	Calendar and Contact
Page 2	About Summer Sessions
Page 3	About UC Berkeley
Page 4	Summer in the Bay Area
Pages 5-6	Courses
Pages 7-8	Special Programs and Certificates
Page 9	Summer English Language Studies
Page 10	Tuition and Fees
Page 11	International Student Requirements
Pages 12	Housing
Pages 13-25	Preview of Courses
Page 26	Checklist

## Berkeley Summer Sessions

# Calendar 2019

<b>SESSION A</b>	Six Weeks	May 28 – July 5
<b>SESSION B</b>	Ten Weeks	June 10 – August 16
<b>SESSION C</b>	Eight Weeks	June 24 – August 16
<b>SESSION D</b>	Six Weeks	July 8 – August 16
<b>SESSION E</b>	Three Weeks	July 29 – August 16
<b>UNIVERSITY HOLIDAYS</b>	Memorial Day Independence Day <i>No classes will be held</i>	Monday, May 27 Thursday, July 4

## Contact Us

**Berkeley Summer Sessions**  
1995 University Avenue, Suite 130  
Berkeley, CA 94704-7026  
Phone: +1 510 642-5611  
Fax: +1 510 642-2877  
Email: [summer@berkeley.edu](mailto:summer@berkeley.edu)  
Web: [summer.berkeley.edu](http://summer.berkeley.edu)

# At UC Berkeley, learning doesn't take a summer break.

Join us for Berkeley Summer Sessions, one of the largest and most exciting summer programs in the United States.

With more than 600 courses to choose from, Summer Sessions lets you accelerate your learning while experiencing the academic rigor Berkeley is renowned for.



## Why study at UC Berkeley?

### 1 CHALLENGE YOURSELF

Complete semester-length courses alongside UC Berkeley students in just one summer.

### 2 GET SOCIAL

Meet students from Berkeley and around the world. More than 16,000 students attend Summer Sessions each year, including more than 4,000 visiting and international students.

### 3 EXPERIENCE THE BAY AREA

Enjoy summer in the San Francisco Bay Area—one of the most beautiful and vibrant destinations in the world—known for its diversity, food, technology, arts, and nature.

## Who can join Summer Sessions?

Berkeley Summer Sessions welcomes UC Berkeley students, other UC students, visiting domestic and international students from other colleges, and community members to enroll in summer courses.

## How do I apply?

To participate in Berkeley Summer Sessions, apply online at [summer.berkeley.edu](https://summer.berkeley.edu) starting in February. Check with your home institution prior to enrolling for guidelines regarding Summer Sessions.

# About UC Berkeley

## A Tradition of Excellence

The University of California was founded in 1868, born out of a vision in the State Constitution of a university that would “contribute even more than California’s gold to the glory and happiness of advancing generations.” The first campus—envisioned as a “City of Learning”—was established at Berkeley, near the San Francisco Bay. Today the world’s premier public university and a wellspring of innovation, UC Berkeley occupies a 1,232-acre campus with a park-like 178-acre central core. It is the oldest of 10 University of California campuses.

With its mission of teaching, research, and public service, Berkeley, or “Cal” as alumni know it, is one of the world’s most distinguished institutions of higher education. It is renowned for the excellence of its faculty and students, the scope of its research and publications, the size and quality of its library collections, and the excellence of its laboratory and educational facilities.

## Academics

Berkeley academic programs are recognized internationally for their excellence. You can expect a rigorous academic experience during your summer studies. The accelerated instruction of Summer Sessions means that you will learn a semester’s worth of material in just one summer. Berkeley courses are known for an engaged learning style where you interact frequently with the instructor and other students. With continuous assessment, you are evaluated over the duration of the course through work such as quizzes, exams, lab assignments, papers, attendance, and class participation.



## Academic Support

Berkeley offers a range of support services to help you achieve academic success. Instructors hold faculty office hours where you can discuss course material. The Student Learning Center provides tutoring and study groups for Summer Sessions students.

## Libraries

UC Berkeley is home to one of the finest research libraries in the U.S., encompassing over twelve million items housed in over twenty libraries, along with access to an extensive array of online resources.

## Health and Wellness

Students have access to medical and mental health services provided by University Health Services, a fully accredited facility staffed by board-certified physicians, nurse practitioners, physician assistants, a nutritionist, and more.

In addition, membership to the campus Recreational Sports Facility is included in fees. Rec Sports members enjoy access to two recreation centers, four pools, free drop-in group exercise classes, discounts on personal training, outdoor programs, and more.

## Campus Safety

UC Berkeley has its own dedicated, full-service police department that operates 24 hours a day, seven days a week. The department offers free Night Safety Services, including the BearWALK escort service and evening shuttles. The Berkeley campus partners with the Nixle company to deliver safety messages to you via opt-in text, email, or both in the event of an immediate threat to safety or health affecting the campus community.

# Summer in the Bay Area

Enjoy summer in the vibrant San Francisco Bay Area! Centrally located, Berkeley is just 25 minutes from downtown San Francisco and within an hour of most local attractions, including national parks, museums, shopping, restaurants, and nightlife.

## Things to Do

**See the sights.** Walk across the Golden Gate Bridge, stroll down twisty Lombard Street, ride a cable car, visit lively Chinatown, and take a tour of Alcatraz Island.

**Eat delicious food.** The Bay Area is a food lover's paradise, with fine local restaurants, farmer's markets, and a thriving food truck scene.

**Celebrate with the locals.** Enjoy music, art, and cultural events, such as the Outside Lands Music and Art Festival, Oakland Art + Soul Festival, and SF Pride Celebration.

**Visit a museum.** Experience some of California's best art, natural history, culture, and science museums, many of which have discounted admission for students.

**Get outdoors.** The Bay Area has some of the most beautiful parklands in the nation, including the Marin Headlands, Muir Woods National Monument, and Point Reyes National Seashore.

## Did You Know?

Summer Sessions students receive a transit sticker that allows free use of the local bus system, including buses to downtown San Francisco!



# Courses

Choose from undergraduate courses in more than 80 subjects, including arts, engineering, humanities, natural sciences, social sciences, and the professional fields of architecture, business, education, public health, and social welfare.

Courses are offered in three, six, eight, or 10-week intensive sessions. All courses are regular university courses and are recorded on an official UC Berkeley transcript.

*While completion of summer courses does result in a UC Berkeley transcript, participating in this education program does not in itself provide preference in admission to the University of California.*

Sample Class Schedule (Six Week Session)

	Monday	Tuesday	Wednesday	Thursday	Friday
<b>UGBA 102</b> Introduction to Financial Accounting (3 units)	8-10:30 a.m. (lecture)	8-10:30 a.m. (discussion)	8-10:30 a.m. (lecture)	8-10:30 a.m. (discussion)	
<b>ASTRONOMY C12</b> The Planets (3 units)	1-3 p.m. (lecture)		1-3 p.m. (lecture)	1-3 p.m. (lecture)	

## Course Listings

See the Preview of Courses in this catalog for a sample list of courses. A complete schedule of summer courses and descriptions is available online at [classes.berkeley.edu](https://classes.berkeley.edu) beginning early December.

## Enrollment

Enrollment for Summer Sessions opens in February. Visit [summer.berkeley.edu/international](https://summer.berkeley.edu/international) for instructions for visiting international students.

## Prerequisites

Many Summer Sessions courses have prerequisites which are indicated in the course description. Before enrolling, check that you meet all prerequisites for each course. If unsure whether you meet a prerequisite, contact the course department or instructor and be prepared to provide documentation of your previous coursework (e.g. syllabi, course descriptions, transcripts).





## Course Numbering

Each UC Berkeley course listing includes a number that indicates whether a course is undergraduate, graduate, or professional level. Use the chart below to determine the level of your course.

Course Numbering Chart

Undergraduate		Graduate	Professional	
1-99	100-196	200-299	300-399	400-499
<b>Lower Division</b> Open to freshmen and sophomores; not acceptable for upper division credit.	<b>Upper Division</b> Ordinarily open to students who have completed at least one lower division course in the given subject or two years of college work.	Ordinarily open only to students who have completed at least 18 upper division units relevant to the subject matter of the course.	Offered in Education and other departments, and are specifically designed for teachers or prospective teachers.	Other professional courses (acceptable toward academic degrees only within limitations prescribed by a college, school, or the Graduate Division).

## Units of Credit

UC Berkeley is on a 15-week semester calendar. During the semester, one unit represents three hours of work per week by the student, including both class attendance and preparation. Laboratory, discussion, quiz, or review sessions may or may not be given unit value. To estimate the amount of work for summer courses, refer to the chart below.

Estimated Total Number of Required Hours of Student Work Per Week

Units	Ten-Week Session	Eight-Week Session	Six-Week Session	Three-Week Session	TOTAL WORK HOURS
1	4.5	6	7.5	15	45
2	9	12	15	30	90
3	13.5	17	22.5	45	135
4	18	22.5	30	60	180
5	22.5	28.5	37.5	75	225

UC Berkeley recommends a maximum of 10 units per session during Summer Sessions. If you wish to take more than 10 units, consult with Berkeley Summer Sessions before enrolling.

## Grading

The work of all students on the UC Berkeley campus is reported in terms of the following grades:

Grading Scale

A	Excellent
B	Good
C	Fair
D	Barely passed
F	Failure
P	Passed at a minimum level of C- for undergraduate-level students
NP	Not passed
S	Satisfactory, passed at a minimum level of B- for graduate-level students
U	Unsatisfactory
I	Work incomplete due to circumstances beyond the student's control, but of passing quality
IP	Work in progress, final grade to be assigned upon completion of entire course sequence
<i>The grades A, B, C, and D may be modified by plus (+) or minus (-) suffixes.</i>	

## Credit Transfer

Consult with your home institution regarding transfer of UC Berkeley coursework. Be prepared to provide course descriptions, syllabi, and other course information as required by your home institution.

# Special Programs and Certificates

## Special Programs

### Exploring the Liberal Arts (ONLINE)

Exploring the Liberal Arts: Letters & Science W1 is a two-unit online course that gives you an overview of the intellectual riches of UC Berkeley's College of Letters & Science. View mini-lectures by faculty members, deans, and recent graduates on topics ranging from earthquakes to the sense of touch.

[LEARN MORE >](#)  
[summer.berkeley.edu/l1](http://summer.berkeley.edu/l1)

### Berkeley Charter of Professional Accountancy

Gain knowledge of the discipline, prepare for the Certified Public Accountant (CPA) exam, and demonstrate your commitment to employers by attaining the Berkeley Charter of Professional Accountancy (BCPA). In just two summers the BCPA provides you with the accounting knowledge to pursue a CPA, as well as careers in economics, finance, and accounting more broadly.

[LEARN MORE >](#)  
[bcpa.berkeley.edu](http://bcpa.berkeley.edu)



### Architecture and Design Programs

**Disc\* (Design & Innovation for Sustainable Cities)** is an interdisciplinary program that explores design and analysis in the urban environment. Participants engage in the discourses of urban innovation while gaining hands-on experience developing design proposals. You will attend lectures, partake in interactive workshops, experiment in the digital fabrication lab, conduct field-work, and become immersed in design studio culture. Disc\* is intended for currently enrolled college students from all majors, with or without design experience.

The **Summer [IN]STITUTE** consists of three introductory programs in architecture, landscape architecture, and sustainable city planning for post-baccalaureates or senior-level undergraduates with no prior design experience. There is also one advanced architecture studio for students with an undergraduate degree in architecture or senior-level architecture majors. You will explore the methods of the field, experience the culture of design studios, connect with top faculty, and develop a polished portfolio for graduate school applications.

[LEARN MORE >](#)  
[ced.berkeley.edu](http://ced.berkeley.edu)

### High School Students

Earn college credit and experience university life in the Pre-College Scholars Summer Residential Program.

[LEARN MORE >](#) [summer.berkeley.edu/precollege-residential](http://summer.berkeley.edu/precollege-residential)





## Certificate Programs

### The Developing Child

The Developing Child certificate is an interdisciplinary, developmental science program focused on children from birth to age 8. Integrating research, practice, and policy with problem-solving and implementation skills in the real world, the innovative coursework and practicum will enrich your approach to working with or on behalf of young children.

[LEARN MORE >](#)  
[thedevelopingchild.berkeley.edu](http://thedevelopingchild.berkeley.edu)

### Digital Humanities

The Digital Humanities certificate program brings students to the cutting edge of scholarship in the humanities. In this study, powerful digital tools allow you to create, organize, analyze, and represent your research projects in digital forms. No prior experience is needed to enroll. Imparting both technical and humanistic knowledge, the digital humanities program teaches you to ask timeless questions, and answer them using today's tools.

[LEARN MORE >](#)  
[summerdigitalhumanities.berkeley.edu](http://summerdigitalhumanities.berkeley.edu)

### Educating for the 21st Century (ONLINE)

Interested in a career in education or want to learn more about teaching and learning? Educating for the 21st Century is a certificate program featuring online courses that cover a range of current issues in education, from digital environments to global schooling. You will not only learn about educational theories and cutting-edge research, you'll also have the opportunity through our unique practicum experience to get firsthand experience as a teacher/mentor.

[LEARN MORE >](#)  
[gse.berkeley.edu/online-ed-minor](http://gse.berkeley.edu/online-ed-minor)

### Educating for the 21st Century: Teaching English to Multilingual Students (ONLINE)

The Educating for the 21st Century: Teaching English to Multilingual Students certificate program gives students theoretical knowledge and practical experience in the teaching of English as a second language. If you are planning to teach as a career, looking to enhance your English-teaching, or simply want to travel and teach short-term, the minor provides you with the skills you'll need.

[LEARN MORE >](#)  
[writing.berkeley.edu/courses/teaching-english-multilingual-students](http://writing.berkeley.edu/courses/teaching-english-multilingual-students)

### Film & Media Industries and Professions

This program is designed for students interested in careers in film and media. Learn about industry structures that govern a broad range of media professions, fields, and practices. Individual courses introduce you to the various processes entailed in developing, pitching and producing media content; provide understanding of roles played by various artists and professionals in the production, distribution, and exhibition of content; provide critical understanding of key business and legal concepts relevant to intellectual property in a changing media landscape; and provide opportunities to learn about film and media practices from award-winning artists.

[LEARN MORE >](#)  
[filmmedia.berkeley.edu/programs/summer-certificate-program](http://filmmedia.berkeley.edu/programs/summer-certificate-program)

### Global Public Health

The Public Health field seeks to improve human populations by developing and applying knowledge that can prevent disease and promote health throughout the state, nation, and world. Students who earn a Global Public Health certificate will demonstrate a breadth of knowledge in many disciplines for the promotion and protection of human health with due consideration to human rights principles and varying cultural perspectives.

[LEARN MORE >](#)  
[sph.berkeley.edu/undergraduate-major/summer-minor-global-public-health](http://sph.berkeley.edu/undergraduate-major/summer-minor-global-public-health)

### Journalism in the Digital Age

Success in the era of digital communications requires proficiency not just in consuming media but also in producing it. The certificate in Journalism in the Digital Age is for students who want to develop their communication skills across all current and emerging platforms. You will focus on core reporting and writing methods, social media, video, multimedia packages, and other forms of online and printed media.

[LEARN MORE >](#)  
[journalism.berkeley.edu/admissions/summer-minor-program](http://journalism.berkeley.edu/admissions/summer-minor-program)

### Race and Law

Jointly offered by the departments of African American Studies and Ethnic Studies, the certificate program develops understanding of the fundamental interconnections between race and the law within and beyond the U.S. You will examine how law has been instrumental in codifying racial difference and racial hierarchies, as well as how racialized peoples have used the law as an instrument of protest and social change. Interdisciplinary courses will cover a wide range of fields, and possible topics include The Carceral State; The Civil Rights Movement; Race and Immigration; Social Movements and the Law; Citizenship; Indigenous Legal Systems; Law and Literature; and Race, Environmental Justice and the Law.

[LEARN MORE >](#)  
[ethnicstudies.berkeley.edu](http://ethnicstudies.berkeley.edu)  
[africam.berkeley.edu](http://africam.berkeley.edu)

### Sustainability

The Summer Sustainability Certificate equips students with tools to tackle some of the most pressing issues facing the world today. The program offers an interdisciplinary approach to global and local environmental change; the science, engineering, economics, and policy of renewable energy; biodiversity and ecology; the economics of climate change; sustainable water use; and environmental justice. Some program courses are offered online giving students greater flexibility. There are no prerequisites, and the certificate can be completed in as little as one summer.

[LEARN MORE >](#)  
[erg.berkeley.edu/academics/sustainability](http://erg.berkeley.edu/academics/sustainability)

# Summer English Language Studies

## Elite Program

- Challenging classes for motivated students, from high-beginners to even the most advanced learners
- Uniquely qualified instructors with expertise in teaching English for a variety of specific purposes
- Innovative, engaging classroom environments

## Two Levels of Study

- **Prepare:** Ideal for undergraduates, these classes prepare you for academic work in English.
- **Refine:** Ideal for working professionals and graduate students, these classes offer a unique challenge at the advanced level you need.

## Classes that Meet Your Needs and Interests

Over 65 classes including:

- **English for Specific Professional and Academic Purposes**  
Advance your academic and professional career with classes in Business English, Legal Writing, English for Science and Engineering, English for Art and Design, Job Search Skills, University Admissions Expectations, and more.
- **English Through Culture and Media**  
Learn English through the topics you love—Food Culture, Social Issues, Popular Music, Film, Literature, Broadway Musicals, Humor, and more.
- **Intensive Skill Practice in English**  
Get the skill practice you need to succeed in school and work—Academic and Public Speaking, Academic Writing, Speech and Debate, Writing for Digital Media, Conflict Resolution, and more.

## Programs that Fit Your Schedule

- Three- and six-week programs
- On-campus and online classes

## Learning Beyond the Classroom

Unique fieldwork assignments: Apply classroom concepts as you explore the Bay Area and historic Berkeley campus.

[LEARN MORE >  
summerenglish.berkeley.edu](https://summerenglish.berkeley.edu)



# Tuition and Fees

This chart represents the estimated tuition and fees for a visiting international student taking two courses (three units each) during a six-week session. Fees are pending approval and subject to change.

Tuition and Fees	
Course Tuition (two three-unit courses at \$550 per unit)	\$3,300
Registration Fee	\$450
International Service Fee	\$330
Document Management Fee	\$58
<b>TOTAL</b>	<b>\$4,138</b>

*This chart does not reflect costs for housing, books, supplies, and incidentals. Expenses vary with the length of stay and all fees are subject to change. For detailed fee information, visit [summer.berkeley.edu/international/registration/fees](http://summer.berkeley.edu/international/registration/fees).*

## Course Materials and Service Fee

Some departments charge a Course Materials and Service Fee for specific classes, such as those with science or computer labs, photography labs, physical education courses, and art supplies. The Course Materials and Service Fee is non-refundable and should be noted in the Class Schedule at [classes.berkeley.edu](http://classes.berkeley.edu).



## Cancellation Fee

Cancellation means dropping all courses in every session in which you are enrolled **before instruction begins in your first course**. You are charged a \$100 cancellation fee. Visiting international students who have received an I-20 will be charged \$430.

\* There may be additional fee(s) for special programs not included on this page.

\*\* Summer tuition and fees must be paid in full within seven calendar days after enrollment, or you will be dropped from your class(es).

# International Student Requirements

## Full-Time Student Status

Berkeley International Office encourages all international students to enroll full-time and obtain the appropriate student (F-1 or J-1) visa status for study. Visiting international students with an I-20 (F-1) or DS-2019 (J-1) certificate of eligibility document issued by UC Berkeley must be enrolled full time for the entire summer session period noted on your I-20 or DS-2019. Full-time student status varies depending on what session(s) you enroll in. For details, see [internationaloffice.berkeley.edu/students/summer/full-time](https://internationaloffice.berkeley.edu/students/summer/full-time).

## English Proficiency Requirement

If you are from a country in which the official language is not English, you are required to submit official evidence of English language proficiency. All applicants must meet the English Proficiency Requirement regardless of citizenship, unless one of the following items applies:

- You are from a country exempt from the English Proficiency Requirement
- You enroll exclusively in Summer English Language Studies courses
- Your university has been granted an exemption based on an affiliation agreement

For more information regarding the English Proficiency Requirement, see [summer.berkeley.edu/international/english-proficiency-requirement](https://summer.berkeley.edu/international/english-proficiency-requirement).

## Visa and Immigration

International (non-immigrant) students coming to the United States from abroad with the primary intention of study should obtain F-1 or J-1 visa status. To apply for an F-1 or J-1 visa at a U.S. Embassy or Consulate in your country, request an I-20 (F-1) or DS-2019 (J-1) document after you enroll in classes for full-time units. The Berkeley International Office is the responsible office for issuing these documents for UC Berkeley.

International students coming from abroad are required to have valid visas in their passports to enter the United States (Canadian citizens do not need visas, but do need the I-20 or DS-2019 for entry in student status). If you require J-1 visa documents, contact the Berkeley International Office for instructions. For more information, see [internationaloffice.berkeley.edu/students/summer](https://internationaloffice.berkeley.edu/students/summer).

The Berkeley International Office does not provide visa advising or assistance for students who choose to enter the United States under visa categories other than F-1 or J-1.

## Health Insurance

Medical care in the United States can be very expensive. Hospital costs can average \$4,000-\$5,000 USD per day. Health insurance coverage is required to meet these unexpected expenses. You should purchase a health insurance policy before you arrive in the United States. This policy should cover all medical and hospital costs, or provide you with a minimum of \$50,000 for each accident or illness, have a deductible of \$500 or less for each accident or illness, cover at least 75% of hospital and physician costs from the time you leave your current residence to the day you plan to return. For more information, visit [uhs.berkeley.edu/insurance/international-summer-session-students](https://uhs.berkeley.edu/insurance/international-summer-session-students).

Students in J-1 visa status are required to maintain adequate health insurance for the duration of their program. Information about J-1 health insurance requirements can be found at [internationaloffice.berkeley.edu/j\\_insurance](https://internationaloffice.berkeley.edu/j_insurance).



# Housing

A variety of housing is available for your time at Berkeley Summer Sessions. Popular accommodations fill quickly, so make your housing arrangements as early as possible.

## University Housing: Residence Halls & Apartments

All students enrolled in Summer Sessions courses are eligible to live in University Housing and are encouraged to apply. University Housing provides convenience, safety, and success that you won't find off-campus.

Residence Halls include shared lounges and communal bathrooms with all gender and single gender floors. Apartments are single gender apartments that share a bathroom, kitchen, and living room. All locations are furnished, equipped with wireless internet, an Academic Center, custodial services, and more! Additionally, live-in Residential Life staff provide community development activities, wellness programs, and social outings to ensure a successful and fulfilling summer.

The meal plan (included with University housing contracts) offers flexibility at Crossroads, our largest and organic-certified dining commons, and many on-campus retail locations; all of which feature a variety of cuisines and dietary options.

[LEARN MORE > housing.berkeley.edu/summer-housing/home](https://housing.berkeley.edu/summer-housing/home)

Sample Rates for University Residence Halls					
Room Type	Session A	Sessions A & D	Session B	Session C	Session D
Single	\$3,435	\$6,994	\$5,835	\$4,594	\$3,435
Double RH	\$3,027	\$6,128	\$5,168	\$4,061	\$3,027
Double APTS	N/A	N/A	N/A	\$4,327	\$3,231
Triple RH	\$2,544	\$5,168	\$4,313	\$3,398	\$2,544

*Rates are based on 2018 fees and are subject to change.*

## International House

Located in the southeast foothills of the Berkeley campus, International House is a historic and architecturally striking campus housing facility and intercultural program center for U.S. and international students. At I-House, you will spend your summer living with a diverse group of residents, including graduate students, laboratory researchers, visiting scholars, and exchange students from around the world. To qualify for summer residency, you must be over the age

of 18 and enrolled in full-time study or research at UC Berkeley or a nearby, approved educational institution.

I-House offers fully furnished double and single room accommodations. Floors are co-ed, with the exception of the 8th floor Women's Hall. The I-House room and board fee for the summer includes 10 meals per week in the I-House Dining Commons. I-House is within walking distance of the central campus and is near downtown Berkeley. I-House provides a variety of

spaces for work and recreation, including a library, resident lounges, game rooms, and a computer center. Conference rooms and a small kitchen are available for residents' special events. The International House Café is open every day for meeting with friends over coffee. A broad program of activities and outings is also offered throughout the summer.

[LEARN MORE > ihouse.berkeley.edu/applicants/summer.php](https://ihouse.berkeley.edu/applicants/summer.php)

Sample Rates for International House					
Room and Board	Session A	Session B	Session C	Session D	Sessions A & D
Double	\$2,624	\$3,726	\$3,025	\$2,665	\$4,482
Single	\$3,198	\$4,692	\$3,960	\$3,321	\$5,644
Premium Single	\$3,608	\$5,520	\$4,840	\$3,813	\$6,640

*Rates are based on 2018 fees and are subject to change.*

## Additional Options

In addition to university-affiliated housing, you may also consider options in student cooperatives, private rooms and apartments, sublets, and homestays. For information on these options, visit [summer.berkeley.edu/housing](https://summer.berkeley.edu/housing).



Course Title	Units	Session
<b>AFRICAN AMERICAN STUDIES</b>		
10B Intermediate Swahili	4	C
W111 Race, Class, and Gender (online)	3	C
125AC The History of the Modern Civil Rights Movement	3	D
136L Criminal Justice and Surveillance in America	3	A
139L The Black Panther Party and American Popular Culture	3	A
159 Black Popular Music and Culture: From Be-Bop to Hip Hop	3	D
<b>AMERICAN STUDIES</b>		
101AC Examining U.S. Cultures in Time	4	A
139AC Civil Rights and Social Movements in U.S. History	4	D
<b>ANTHROPOLOGY</b>		
1 Introduction to Biological Anthropology	4	A
3AC Introduction to Social/Cultural Anthropology (American Cultures)	4	D
112 Forensic Anthropology	4	D
122B Culture Contact in North America	4	D
122C Archaeology of the Americas: Archaeology of Central America	4	A
134A Field Course in Archaeological Methods	6	D
158 Religion and Anthropology	4	D
166 Language, Culture, and Society	4	D
183 Topics in the Anthropological Study of Africa	4	A
189 Social Linguistics of Emoji	4	D
189 Anthropology of the Body	4	D
<b>ARABIC</b>		
10 Intensive Elementary Arabic	10	C
30 Intermediate Arabic	10	C
<b>ARCHITECTURE</b>		
11B Introduction to Design	5	C
124A 3-D Computer Technology	2	C
129 Special Topics in Digital Design Theories and Methods	1 - 4	C
149 Special Topics in Energy and Environment	1 - 4	C
<b>ART PRACTICE</b>		
8 Introduction to Visual Thinking	4	A, D
12 The Language of Drawing	4	A, D
13 Language of Painting	4	A
15 The Language of Sculpture: Ceramics	4	D
21 Beginning Digital Photography	4	D
26 Moving Image Media Production	4	A
102 Approaches to Painting	4	A, D
118 Contemporary Perspectives of Figure Drawing	4	A
119 Global Perspectives in Contemporary Art	4	A, D
160 Special Topics in Visual Studies: Art in the Bay	4	D
160 Special Topics in Visual Studies: Studio Intensive	4	D
171 Digital Video: The Architecture of Time	4	D
180 Advanced Digital Photography	4	D
<b>ASIAN AMERICAN STUDIES</b>		
W20AC Asian American Communities and Race Relations (online)	4	C
141 Law in the Asian American Community	4	D
173 Creative Writing	4	D
175 Contemporary Narratives on the Philippines and the United States	3	A
<b>ASTRONOMY</b>		
9 Selected Topics in Astronomy	3	D
10 Introduction to General Astronomy	4	A, D
W12 The Planets (online)	3	C

The courses listed in this preview are in the Summer Sessions schedule as of the date of publication. This schedule is subject to change. For current listings, see the Class Schedule at: [classes.berkeley.edu](https://classes.berkeley.edu).



Course	Title	Units	Session
<b>BIOLOGY</b>			
1A	General Biology Lecture	3	C
1AL	General Biology Laboratory	2	C
1B	General Biology Lecture and Laboratory	4	C
<b>BUDDHIST STUDIES</b>			
50	Introduction to the Study of Buddhism	4	D
<b>BUSINESS ADMINISTRATION UNDERGRADUATE PROGRAMS</b>			
101A	Microeconomic Analysis for Business Decisions	3	A
101B	Macroeconomic Analysis for Business Decisions	3	A, D
102A	Introduction to Financial Accounting	3	A, D
102B	Introduction to Managerial Accounting	3	A, D
103	Introduction to Finance	4	A, D
104	Introduction to Business Analytics	3	A
105	Leading People	3	A, D
106	Marketing	3	A, D
107	The Social, Political, and Ethical Environment of Business	3	A
115	Competitive Strategy	3	E
118	International Trade	3	D
120AA	Intermediate Financial Accounting 1	4	A, D
120B	Advanced Financial Accounting	4	D
131	Corporate Finance and Financial Statement Analysis	3	D
132	Financial Institutions and Markets	3	A
133	Investments	3	A, D
136F	Behavioral Finance	3	D
137	Special Topics in Finance: Financial Derivatives	3	D
152	Negotiation and Conflict Resolution	3	A
154	Power and Politics in Organizations	3	D
155	Leadership	3	A
160	Consumer Behavior	3	A
165	Advertising Strategy	3	A
169	Pricing	3	D
178	Introduction to International Business	3	D
190T	Special Topics in Innovation and Design: Project Management	2	A
192T	Topics in Corporate Social Responsibility: Business and Sustainability	2	A
W102A	Financial Accounting (online)	3	A
<b>CHEMICAL ENGINEERING</b>			
160	Chemical Process Design	4	C
<b>CHEMISTRY</b>			
1A	General Chemistry	3	C
1AL	General Chemistry Laboratory	1	C
1B	General Chemistry	4	C
3A	Chemical Structure and Reactivity	3	C
3B	Chemical Structure and Reactivity	3	C
BL	Organic Chemistry Laboratory	2	C
N3AL	Organic Chemistry Laboratory	2	C
115	Organic Chemistry—Advanced Laboratory Methods	4	A
<b>CHICANO STUDIES</b>			
110	Latina/o Philosophy and Religious Thought	4	D
130	Mexican and Chicano Art History	3	D
135A	Latino Narrative Film: to the 1980s	4	D
135B	Latino Narrative Film Since 1990	4	A
135C	Latino Documentary Film	4	D
152	The History of Latina/o Studies	4	A
172	Chicanos and the Educational System	4	A
174	Chicanos, Law, and Criminal Justice	4	A
180	Queer Borderlands/Latinx Queer Sexualities	4	D
<b>CHINESE</b>			
1A	Elementary Chinese	5	A
1B	Elementary Chinese	5	D
7A	Introduction to Premodern Chinese Literature and Culture	4	A
7B	Introduction to Modern Chinese Literature and Culture	4	D
10A	Intermediate Chinese	5	A
10B	Intermediate Chinese	5	D



Course Title	Units	Session
<b>CHINESE, CONT.</b>		
105 Business Chinese	6	D
134 Readings in Classical Chinese Poetry	4	D
<b>CITY AND REGIONAL PLANNING</b>		
110 Introduction to City Planning	4	A
114 Introduction to Urban and Regional Transportation	3	A
118AC The Urban Community	4	A
N115 Urbanization in Developing Countries	3	A
<b>CIVIL AND ENVIRONMENTAL ENGINEERING</b>		
W30 Introduction to Solid Mechanics (online)	3	C
100 Elementary Fluid Mechanics	4	C
130N Mechanics of Structures	3	C
<b>CLASSICS</b>		
10A Introduction to Greek Civilization	4	A
10B Introduction to Roman Civilization	4	D
N28 The Classic Myths	4	D
50 Latin and Greek in Antiquity and After	4	C
N172A Archaeological Field School in Nemea, Greece	4	D
<b>COGNITIVE SCIENCE</b>		
N1 Introduction to Cognitive Science	3	D
C101 Cognitive Linguistics	4	C
<b>COLLEGE WRITING PROGRAMS</b>		
5A English Language Studies: Broadway Musicals	3	D
5C English Language Studies: Film	3	D
5D English Language Studies: Literature	3	D
5E English Language Studies: Popular Music	3	D
5F English Language Studies: International Human Rights	3	D
5I English Language Studies: Television	3	D
5K English Language Studies: The Media	3	D
5L English Language Studies: Environmental Issues	3	D
6A Intensive English Practice: Academic Speaking	2	E
6B Intensive English Practice: Academic Vocabulary	2	E
6C Intensive English Practice: Business Vocabulary	2	E
6F Intensive English Practice: Listening and Speaking	2	E
6G Intensive English Practice: Writing for Digital Media	2	E
6H Intensive English Practice: Writing Creative Non-Fiction	2	E
6I Intensive English Practice: Conflict Resolution Skills	2	E
6J Intensive English Practice: Academic Test Preparation	2	E
6K Intensive English Practice: Academic Reading and Writing	2	E
6L Intensive English Practice: Job Search and Networking	2	E
6M Intensive English Practice: U.S. University Admissions and Expectations	2	E
6N Intensive English Practice: Art and Design	2	E
6P Intensive English Practice: Pronunciation	2	E
7A American Language and Culture: The Media	1	E
7B American Language and Culture: The Beat Poets of 1950s San Francisco	1	E
7C American Language and Culture: Business and Social Entrepreneurship	1	E
7D American Language and Culture: Food Culture in the U.S.	1	E
7E American Language and Culture: The Environment	1	E
7G American Language and Culture: Community Building, Engagement, and Transformation	1	E
7J American Language and Culture: California Culture	1	E
7K American Language and Culture: Humor	1	E
7M American Language and Culture: Storytelling	1	E
7N American Language And Culture: Questioning the American Dream	1	E
7Q American Language and Culture: Traditional Healing Systems in California Modern Medicine	1	E



The courses listed in this preview are in the Summer Sessions schedule as of the date of publication. This schedule is subject to change. For current listings, see the Class Schedule at: [classes.berkeley.edu](https://classes.berkeley.edu).



Course Title	Units	Session
<b>COLLEGE WRITING PROGRAMS, CONT.</b>		
8 English for Academic and Professional Purposes: Integrated Skills	4	D
9A Academic Research for Multilingual Students	3	D
9B Academic Vocabulary for Multilingual Students	3	D
9C Academic Writing for Multilingual Students	3	D
9E Business English for Multilingual Students	3	D
9F Business Speaking for Multilingual Students	3	D
9I Conflict Resolution Communication Skills for Multilingual Students	3	D
9J American Language and Writing Style for Multilingual Students	3	D
9N Legal English and U.S. Law for Multilingual Students	3	D
9O Legal Writing for Multilingual Students	3	D
9R Academic and Public Speaking for Multilingual Students	3	D
9S Pronunciation for Multilingual Students	3	D
9V Science and Engineering English for Multilingual Students	3	D
9Y Creative Writing for Multilingual Students	3	D
W3A Academic Writing (online)	2	D
W3B Business English: Oral Communication (online)	2	D
W3D Legal English: Introduction to the U.S. Legal System (online)	2	D
W3E Legal English: Listening and Speaking (online)	2	D
W3G Grammar and Vocabulary (online)	2	D
W3H ESL Listening and Speaking (online)	2	D
10A Introduction to Public Speaking	3	D
N131 The Craft of Creative Nonfiction *	2	D
N132 The Craft of Short Fiction *	2	D
N133 The Craft of Dramatic Writing *	2	D
134 The Craft of Poetry *	2	D
135 The Craft of Creative Writing—Workshopping & Performance *	1	D
W143 Foundations of English Language Education (online)	3	A
W144 Practicum in Teaching English as a Second Language (online)	3	D
W145 English Language Materials and Assessment	3	D
<i>* These classes are offered during the first three weeks of Session D.</i>		
<b>COMPARATIVE LITERATURE</b>		
N6oAC Utopian Creature Science: American Cultures through Science Fiction	3	D
N6oAC Foundling America	3	D
W6oAC Boroughs and Barrios: Moving In & Through New York City and Los Angeles (online)	4	C
<b>COMPUTER SCIENCE</b>		
10 The Beauty and Joy of Computing	4	C
61A The Structure and Interpretation of Computer Programs	4	C
61BL Data Structures and Programming Methodology	4	C
61C Great Ideas of Computer Architecture (Machine Structures)	4	C
70 Discrete Mathematics and Probability Theory	4	C
188 Introduction to Artificial Intelligence	4	C
<b>DEMOGRAPHY</b>		
5 Fundamentals of Population Science	3	D
110 Introduction to Population Analysis	3	D
180 Social Networks	4	D
<b>DESIGN INNOVATION</b>		
10 Discovering Design	2	D
15 Design Methodology	3	C
21 Visual Communication & Sketching	3	B
22 Prototyping & Fabrication	3	B
23 Creative Programming and Electronics	3	B
24 User Experience Design	3	C
190 Creative Robotics: Social Machines	3	C
190 Human Centered Design Challenge: Making Mobile Sensing and Cybersecurity Tangible	3	D
<b>DIGITAL HUMANITIES</b>		
100 Theory and Method in the Digital Humanities	3	A
101 Practicing the Digital Humanities	3	A
150A Digital Humanities and Archival Design	3	D
150B Digital Humanities and Visual and Spatial Analysis	3	D
150C Digital Humanities and Text and Language Analysis	3	D
160 Critical Digital Humanities	3	D



Course Title	Units	Session
<b>EARTH AND PLANETARY SCIENCE</b>		
3 The Water Planet	3	C
10 Earth's Greatest Volcanic Eruptions	3	A
W12 The Planets (online)	3	C
20 Earthquakes in Your Backyard	3	A, D
50 The Planet Earth	4	C
80 Environmental Earth Sciences	3	A, D
N82 Introduction to Oceans	3	A, D
<b>EAST ASIAN LANGUAGES</b>		
105 Dynamics of Romantic Core Values in East Asian Premodern Literature and Contemporary Film	4	D
<b>ECONOMICS</b>		
1 Introduction to Economics	4	C
C3 Introduction to Environmental Economics and Policy	4	C
100A Economic Analysis—Micro	4	C
100B Economic Analysis—Macro	4	C
105 History of Economic Thought	4	A
N110 Game Theory in the Social Sciences	4	C
119 Psychology and Economics	4	C
121 Industrial Organization and Public Policy	4	C
C125 Environmental Economics	4	C
133 Global Inequality and Growth	4	A
136 Financial Economics	4	C
140 Economic Statistics and Econometrics	4	C
151 Labor Economics	4	C
155 Urban Economics	3	C
N181 International Trade	4	A
182 International Monetary Economics	4	C
<b>EDUCATION</b>		
130 Knowing and Learning in Mathematics and Science	3	C
W140A The Art of Making Meaning: Educational Perspectives on Literacy and Learning in a Global World (online)	4	D
W142 Education in a Global World (online)	3	A
W190 Critical Studies in Education (online)	3	C
<b>ELECTRICAL ENGINEERING</b>		
16A Designing Information Devices and Systems I	4	C
16B Designing Information Devices and Systems II	4	C
<b>ENERGY AND RESOURCES</b>		
C100 Energy and Society	4	C
W100 Energy and Society (online)	4	C
101 Ecology and Society	3	C
170 Environmental Classics	3	C
C176 Climate Change Economics	4	C
190 Seminar in Energy, Environment, Development and Security Issues	3	C
<b>ENGLISH</b>		
31AC Literature of American Cultures: Race and Ethnicity in Classical Hollywood Cinema	4	A
37 Chicana/o Literature and Culture	4	D
111 Chaucer	4	A
117S Shakespeare	4	A
135AC Literature of American Cultures: American Hustle—Immigration, Ethnicity, and the American Dream	4	C
143A Short Fiction	4	A, C
143B Verse	4	D
143N Prose Nonfiction: Food Writing	4	C

The courses listed in this preview are in the Summer Sessions schedule as of the date of publication. This schedule is subject to change. For current listings, see the Class Schedule at: [classes.berkeley.edu](http://classes.berkeley.edu).

Course	Title	Units	Session
<b>ENGLISH, CONT.</b>			
152	Women Writers: Jane Austen	4	C
173	The Language and Literature of Films: The Romantic Comedy	4	D
176	Literature and Popular Culture: O, the Horror! Horror Films and Horror Fiction	4	D
<b>ENVIRONMENTAL DESIGN</b>			
1	Introduction to Environmental Design	3	C
2	Summer [IN]STITUTE in Environmental Design	1	D
8	Disc*: Design & Innovation for Sustainable Cities	5	D
<b>ENVIRONMENTAL ECONOMICS AND POLICY</b>			
141	Agricultural and Environmental Policy	4	C
C151	Economic Development	4	C
C176	Climate Change Economics	4	C
<b>ENVIRONMENTAL SCIENCE, POLICY AND MANAGEMENT</b>			
5	From Farm to Table: Food Systems in a Changing World	4	D
15	Introduction to Environmental Sciences	3	D
50AC	Introduction to Culture and Natural Resource Management	4	A, D
72	Introduction to Geographic Information Systems	3	D
C103	Principles of Conservation Biology	4	D
105A	Sierra Nevada Ecology	4	C
105B	Forest Measurements	1	C
105C	Silviculture and Utilization	3	C
105D	Forest Management and Assessment	3	C
117	Urban Garden Ecosystems	4	A
160AC	American Environmental and Cultural History	4	D
169	International Environmental Politics	4	A, D
<b>ETHNIC STUDIES</b>			
21AC	A Comparative Survey of Racial and Ethnic Groups in the U.S.	4	D
101A	Social Science Methods in Ethnic Studies	4	A
101B	Humanities Methods in Ethnic Studies	4	D
10AC	A History of Race and Ethnicity in Western North America, 1598-Present	4	D
122AC	Ethnicity and Race in Contemporary American Films	4	A, D
144AC	Racism and the U.S. Law: Historical Treatment of Peoples of Color	4	D
180L	Racial Citizenship	3	A
180L	Race and US Immigration Law and Policy	3	D
<b>FILIPINO</b>			
100AB	Intermediate Filipino AB	9	C
<b>FILM</b>			
20	Film and Media Cultures	4	A
25A	The History of Film	4	A
108	International Horror	4	A
108	Anime	4	D
128	Documentary	4	D
176	Pitch to Production	4	A
177	Entertainment Law	4	D
178	Film & Media Professions	3	D
179	Understanding Film Sound	4	C
187	Introduction to 16mm	4	A
<b>FRENCH</b>			
1	Elementary French	5	B, C
2	Elementary French	5	C
4	Advanced Intermediate French	5	C
13	Intermediate Conversation	2	B
14	Advanced Conversation	2	B
42AC	The Cultures of Franco-America	3	D
43A	Aspects of French Culture	3	B
121A	Literary Themes, Genres, and Structures	4	D
<b>GENDER AND WOMEN'S STUDIES</b>			
10	Introduction to Gender and Women's Studies	4	C
100AC	Women in American Culture	3	A
111	Gender, Media & Global Popular Culture	4	A
111	Race and Gender through a Queer Lens	4	D



Course Title	Units	Session
<b>GEOGRAPHY</b>		
N4 World Peoples and Cultural Environments	3	D
N20 Globalization	3	D
N50AC California	3	A
70AC The Urban Experience	3	D
N80 Digital Worlds: An Introduction to Geospatial Technologies	4	C
N130 Food and the Environment	3	A
138 Global Environmental Politics	4	A
182 Field Study of Buildings and Cities	3	A
<b>GERMAN</b>		
1 Elementary German 1	5	A
2 Elementary German 2	5	D
<b>GLOBAL POVERTY AND PRACTICE</b>		
115 Global Poverty: Challenges and Hopes in the New Millennium	4	D
<b>GLOBAL STUDIES</b>		
10B Critical Issues in Global Studies	3	A, D
100S Global Societies and Cultures	4	A
154M US Foreign Policy in the Middle East	4	A
154M Networks, Nations and Terror: The Middle East and World Order	4	A
154M Resurgence of Authoritarianism and Populism in the Middle East	4	D
<b>GREEK</b>		
15 The Greek Workshop	10	B
<b>HISTORY</b>		
7B Introduction to the History of the United States: The United States from Civil War to Present	4	C
N100 Whose Right? Citizens and Citizenship in American History	2	A
N100 Hitler's Enemies: Resistance in Nazi-Controlled Europe	2	A
N100 Childhood in the Middle East through Film	2	D
N100 American Business History	2	D
106A Ancient Rome: The Roman Republic	4	A
109C The Middle East From the 18th Century to the Present	4	D
122AC Antebellum America: The Advent of Mass Society	4	A
124B The Recent United States: The United States from World War II to the Vietnam Era	4	A
128AC California, the West, and the World	4	D
136C Defiant Women: Gender, Power and Violence in American History	4	C
137AC The Repeopling of America	4	A
158C Modern Europe: Old and New Europe, 1914 - Present	4	C
158D History of Fascism: Hitler's Revolution	4	A
160 The International Economy of the 20th Century	4	D
<b>HISTORY OF ART</b>		
N11 Western Art from the Renaissance to the Present	4	D
N80 Introduction to Modern Art	3	D
N107 Images and the Law	3	A
N182 Histories of Photography	3	A
<b>INDUSTRIAL ENGINEERING AND OPERATIONS RESEARCH</b>		
185 Challenge Lab	4	D
192 Berkeley Method of Entrepreneurship Bootcamp	2	D
<b>INFORMATION</b>		
C8 Foundations of Data Science	4	C
W18 Python Fundamentals for Data Science (online)	4	B

The courses listed in this preview are in the Summer Sessions schedule as of the date of publication. This schedule is subject to change. For current listings, see the Class Schedule at: [classes.berkeley.edu](https://classes.berkeley.edu).



Course Title	Units	Session
<b>INTEGRATIVE BIOLOGY</b>		
31 The Ecology and Evolution of Animal Behavior	3	C
35AC Human Biological Variation	4	C
41 Marine Mammals	2	C
108 Marine Biology	4	C
116L Medical Parasitology	4	A
128 Sports Medicine	3	A
131 General Human Anatomy	3	C
131L General Human Anatomy Laboratory	2	C
141 Human Genetics	3	C
C156 Principles of Conservation Biology	4	D
<b>INTERDISCIPLINARY STUDIES</b>		
100A Introduction to Social Theory and Cultural Analysis	4	A
100B Introduction to Social Theory and Cultural Analysis	4	D
100D Introduction to Technology, Society, and Culture	4	D
100E The Globalization of Rights, Values, and Laws in the 21st Century	4	A
<b>INTERNATIONAL AND AREA STUDIES</b>		
N45 Survey of World History	4	D
106 Intermediate Microeconomic Theory	4	A
C118 Introductory Applied Econometrics	4	C
120 Selected Topics - International and Area Studies	3	E
150 Advanced Studies in International and Area Studies	4	A, D
C176 Climate Change Economics	4	C
<b>ITALIAN STUDIES</b>		
1 Elementary Italian	5	A
2 Elementary Italian	5	A
3 Intermediate Italian	4	A
4 Intermediate Italian	4	A
11 Italian Conversation I	3	A
12 Advanced Conversational Italian	3	A
N160 Studies in the History, Society, and Politics of the Italian Peninsula	4	A
<b>JAPANESE</b>		
1 Intensive Elementary Japanese	10	B
10 Intensive Intermediate Japanese	10	B
7A Introduction to Premodern Japanese Literature and Culture	4	A
7B Introduction to Modern Japanese Literature and Culture	4	D
80 Japanese Culture	4	D
<b>JOURNALISM</b>		
100 Introduction to News Reporting	3	A, D
110 Introduction to Multimedia	3	A, D
111 Social Media and Journalism	3	D
115 Advanced Multimedia	3	D
120 Investigative Reporting	3	D
122 The Future of Visual Storytelling	3	D
130 Specialty Reporting	3	D
134 International Reporting	3	D
<b>KOREAN</b>		
10A Intermediate Korean	5	A
10B Intermediate Korean	5	D
1A Elementary Korean	5	A
1B Elementary Korean	5	D
105 Business Korean	4	D
109 Korean Language in Popular Media	4	A
<b>LANDSCAPE ARCHITECTURE AND ENVIRONMENTAL PLANNING</b>		
1 Drawing a Green Future: Fundamentals of Visual Representation and Creativity	4	C
12 Environmental Science for Sustainable Development	4	C
130 Sustainable Landscapes and Cities	4	C
<b>LATIN</b>		
15 The Latin Workshop	10	B



Course Title	Units	Session
<b>LATIN AMERICAN STUDIES</b>		
160 The Politics of Development in Chile	6	A
<b>LEGAL STUDIES</b>		
100 Foundations of Legal Studies	4	A
104AC Youth Justice and Culture	4	A
110 Comparative Criminal Justice	4	D
110 Surveillance, Privacy and the Law	4	D
132AC Immigration and Citizenship	4	D
138 The Supreme Court and Public Policy	4	A
145 Law and Economics I	4	A
147 Law and Economics II	4	D
157 International Relations and International Law	4	A
160 Punishment, Culture, and Society	4	A
170 Crime and Criminal Justice	4	D
182 Law, Politics and Society	4	D
<b>LETTERS AND SCIENCE</b>		
W1 Exploring the Liberal Arts (online)	2	C
<b>LINGUISTICS</b>		
5 Language and Linguistics	4	D
100 Introduction to Linguistic Science	4	A, D
C105 Cognitive Linguistics	4	C
<b>MATHEMATICS</b>		
1B Calculus	4	C
N1A Calculus	4	C
N1B Calculus	4	C
10A Methods of Mathematics: Calculus, Statistics, and Combinatorics	4	C
10B Methods of Mathematics: Calculus, Statistics, and Combinatorics	4	C
N10A Methods of Mathematics: Calculus, Statistics, and Combinatorics	4	C
N10B Methods of Mathematics: Calculus, Statistics, and Combinatorics	4	C
16A Analytic Geometry and Calculus	3	C
16B Analytic Geometry and Calculus	3	C
N16A Analytic Geometry and Calculus	3	C
N16B Analytic Geometry and Calculus	3	C
N32 Precalculus	4	C
53 Multivariable Calculus	4	C
54 Linear Algebra and Differential Equations	4	C
55 Discrete Mathematics	4	C
N53 Multivariable Calculus	4	C
N54 Linear Algebra and Differential Equations	4	C
N55 Discrete Mathematics	4	C
W53 Multivariable Calculus (online)	4	C
104 Introduction to Analysis	4	C
110 Linear Algebra	4	C
113 Introduction to Abstract Algebra	4	C
115 Introduction to Number Theory	4	C
126 Introduction to Partial Differential Equations	4	C
128A Numerical Analysis	4	C
185 Introduction to Complex Analysis	4	C
<b>MECHANICAL ENGINEERING</b>		
40 Thermodynamics	3	B
W85 Introduction to Solid Mechanics (online)	3	C
104 Engineering Mechanics II	3	B
106 Fluid Mechanics	3	B
109 Heat Transfer	3	B
110 Introduction to Product Development	3	B
132 Dynamic Systems and Feedback	3	B
191K Professional Communication	3	A, D

The courses listed in this preview are in the Summer Sessions schedule as of the date of publication. This schedule is subject to change. For current listings, see the Class Schedule at: [classes.berkeley.edu](https://classes.berkeley.edu).



Course Title	Units	Session
<b>MOLECULAR AND CELL BIOLOGY</b>		
32 Introduction to Human Physiology	3	C
32L Introduction to Human Physiology Laboratory	2	D
W61 Brain, Mind, and Behavior (online)	3	A
63 Introduction to Functional Neuroanatomy	3	D
C64 Exploring the Brain: Introduction to Neuroscience	3	C
102 Survey of the Principles of Biochemistry and Molecular Biology	4	C
C112 General Microbiology	4	B
C112L General Microbiology Laboratory	2	B
N184 IGI CRISPR Workshop: Practical Aspects of Precision Biology for Undergraduates	2	E
<b>MUSIC</b>		
20A Basic Musicianship	2	A, D
25 Introduction to Music Theory	3	D, E
N26AC Music in American Cultures	4	A, D
29 Music Now	4	D
44 Voice Class	2	A, D
45 Beginning Piano Class 1 for Non-Music Majors	1	B
45A Advanced Beginning Piano Class for Non-Music Majors	1	B
46 Fundamentals of Guitar Performance	2	A, D
128 Topics in the History of European and American Music	3	A, D
128R History of Jazz in America	3	D
128RM History of Jazz in America	3	D
139 Topics in Musics of the World	4	A, D
140 Javanese Gamelan	2	A
142 University Wind Ensemble	2	D
143 Gospel Chorus	2	A
N148 African Music Ensemble	2	D
158A Sound and Music Computing with CNMAT Technologies	4	D
<b>NATIVE AMERICAN STUDIES</b>		
158 Native Americans and the Cinema	4	A
179 Indigenous Peoples and Environmental Change in the North American West	4	A
<b>NEAR EASTERN STUDIES</b>		
18 Introduction to Ancient Egypt	4	D
25 Ancient Babylonian Legends and Myths	4	D
146 Islam	4	D
165 Film and Fiction of Iran	4	A
190A Ancient Egyptian Art and Architecture: Building an Imperial Empire	4	C
<b>NEW MEDIA</b>		
90 Introduction to New Media	4	A
190 Digicracy: Giant Tech and Biopolitics	4	A
<b>NUTRITIONAL SCIENCE AND TOXICOLOGY</b>		
10 Introduction to Human Nutrition	3	A, D
30 Sports Nutrition	3	A
W104 Food, Culture, and the Environment AC (online)	3	C
<b>PEACE &amp; CONFLICT STUDIES</b>		
159 Conflict Resolution Intensive Training	3	E
<b>PHILOSOPHY</b>		
2 Individual Morality and Social Justice	4	A, D
3 The Nature of Mind	4	A, D
W12A Introduction to Logic (online)	4	C
25A Ancient Philosophy	4	A, D
25B Modern Philosophy	4	A, D
108 Contemporary Ethical Issues	4	A
110 Aesthetics	4	D
117AC The Philosophy of Race, Ethnicity, and Citizenship	4	A
12A Introduction to Logic	4	A, D
132 Philosophy of Mind	4	D
133 Philosophy of Language	4	D
135 Theory of Meaning	4	A
N188 Phenomenology	4	D



Course	Title	Units	Session
<b>PHYSICAL EDUCATION</b>			
1	Physical Education Activities	.5	C
32	Fitness for Life: Physical Adaptations to Exercise	3	A
<b>PHYSICS</b>			
7A	Physics for Scientists and Engineers	4	C
7B	Physics for Scientists and Engineers	4	C
7C	Physics for Scientists and Engineers	4	C
8A	Introductory Physics	4	C
8B	Introductory Physics	4	C
77	Introduction to Computational Techniques in Physics	3	B
89	Introduction to Mathematical Physics	4	B
111A	Instrumentation Laboratory	3	B
137A	Quantum Mechanics	4	C
<b>PLANT AND MICROBIAL BIOLOGY</b>			
104L	Discovery-Based Research in Microbiology	2	A
C112	General Microbiology	4	B
C112L	General Microbiology Laboratory	2	B
<b>POLITICAL ECONOMY</b>			
N100	Classical Theories of Political Economy	4	A
N101	Contemporary Theories of Political Economy	4	A
111	Poverty and Social Policy	3	A
<b>POLITICAL SCIENCE</b>			
1	Introduction to American Politics	4	D
N2	Introduction to Comparative Politics	4	D
N3	Introduction to Empirical Analysis and Quantitative Methods	4	A
N112A	History of Political Theory	4	D
123J	Special Topics in International Relations: Small Wars and Insurgency	4	A
W135	Game Theory in the Social Sciences (online)	4	C
141A	Russia after Communism	4	A
141C	Politics and Government in Eastern Europe	4	D
142A	Middle East Politics	4	D
W145A	Understanding Political Developments in India (online)	4	C
149W	Topics In Area Studies: Dictatorship and its Discontents	4	D
157A	Constitutional Law of the United States	4	A
N164A	Psychology of Politics	4	A
<b>PSYCHOLOGY</b>			
N1	General Psychology	3	D
W1	General Psychology (online)	3	C
3	Introduction to How the Brain Works	1	D
4	Emotional Intelligence	2	D
5	Technology vs. Psychology: The Internet Revolution and the Rise of the Virtual Self	2	D
6	Stress and Coping	2	D
7	The Person in Big Data	2	D
101	Research and Data Analysis in Psychology	4	C
N117	Human Neuropsychology	3	D
N120	Basic Issues in Cognition	3	D
N134	Health Psychology	3	A
136	Human Sexuality	3	A
137	Mind-Body and Health	3	D
139	Case Studies in Clinical Psychology	3	A
149A	Early Learning: Engaging Interactions and Environments	3	A
N150	Psychology of Personality	3	A
N160	Social Psychology	3	D
166AC	Cultural Psychology	3	D
N180	Industrial-Organizational Psychology	3	D



The courses listed in this preview are in the Summer Sessions schedule as of the date of publication. This schedule is subject to change. For current listings, see the Class Schedule at: [classes.berkeley.edu](https://classes.berkeley.edu).



Course Title	Units	Session
<b>PUBLIC HEALTH</b>		
N112 Global Health: A Multidisciplinary Examination	4	A
118 Nutrition in Developing Countries	3	D
142 Introduction to Probability and Statistics in Biology and Public Health	4	D
150B Introduction to Environmental Health Sciences	3	A
150D Introduction to Health Policy and Management	3	A
C155 Sociology of Health and Medicine	4	A
C160 Environmental Health and Development	4	D
162A Public Health Microbiology	3	D
196 Women's Global Health & Empowerment	3	D
250A Epidemiologic Methods I	3	D
<b>PUBLIC POLICY</b>		
C184 Energy and Society	4	C
C284 Energy and Society	4	B
<b>RHETORIC</b>		
2 Fundamentals of Public Speaking	4	D
10 Introduction to Practical Reasoning and Critical Analysis of Argument	4	A
20 Rhetorical Interpretation	4	D
110 Advanced Argumentative Writing	4	D
152AC Race and Order in the New Republic	4	D
<b>SCANDINAVIAN</b>		
75 Literature and Culture of the Nordic World	4	C
106 The Works of Hans Christian Andersen	4	C
<b>SLAVIC LANGUAGES AND LITERATURE</b>		
50 Introduction to Russian/East European/Eurasian Cultures	3	C
<b>SOCIAL WELFARE</b>		
20 Confronting America's Social Problems	2	D
105 Introduction to Child Welfare in California and the U.S.	2	D
112 Social Welfare Policy	3	C
116 Current Topics in Social Welfare	2	D
148 Substance Abuse Treatment	2	A
150L Sexuality and Social Work	2	D
186 Domestic Violence	2	A
250T Social Work Practice in School Settings	2	A
W232 Social Work and Education Policy (online)	2	A
<b>SOCIOLOGY</b>		
N1H Introduction to Sociology for Pre-Health Majors	4	C
3AC Principles of Sociology: American Cultures	4	C
5 Evaluation of Evidence	4	C
7 The Power of Numbers: Quantitative Data in Social Sciences	4	C
110 Organizations and Social Institutions	4	D
111AC Sociology of the Family	4	D
112 Sociology of Religion	4	A
114 Sociology of Law	4	A
C115 Sociology of Health and Medicine	4	D
117 Sport As a Social Institution	4	D
130 Social Inequalities	4	A
131AC Race and Ethnic Relations: U.S. American Cultures	4	A
133 Sociology of Gender	4	D
140 Politics and Social Change	4	D
145 Social Change	4	D
150 Social Psychology	4	A
160 Sociology of Culture	4	A
167 Virtual Communities/Social Media	4	A
190 Seminar and Research in Sociology	4	C
<b>SOUTH AND SOUTHEAST ASIAN STUDIES</b>		
120 Topics in South and Southeast Asian Studies	4	A, D
<b>SOUTH ASIAN</b>		
140 Hindu Mythology	4	D



Course Title	Units	Session
<b>SOUTHEAST ASIAN</b>		
148 Philippines: History, Literature, Performance	4	A
160 Philippine Cultural Politics	4	A
<b>SPANISH</b>		
1 Elementary Spanish	5	C
2 Elementary Spanish	5	C
3 Intermediate Spanish	5	C
N3 Intermediate Spanish	5	C
4 Intermediate Spanish	5	C
N4 Intermediate Spanish	5	C
16 Cultura Contemporanea	1	C
25 Reading and Analysis of Literary Texts	3	D
121 Contemporary Spanish History and Culture	3	C
122 Spanish Culture and Civilization	3	C
135 Studies in Hispanic Literature	4	D
N102C Advanced Composition: Breaking News: The Present and Past as Told by the Press	3	C
<b>STATISTICS</b>		
2 Introduction to Statistics	4	C, D
C8 Foundations of Data Science	4	C
20 Introduction to Probability and Statistics	4	C
W21 Introductory Probability and Statistics for Business	4	C
135 Concepts of Statistics	4	C
155 Game Theory	3	C
<b>THEATER, DANCE, AND PERFORMANCE STUDIES</b>		
5 Public Speaking and Presentation Skills	3	D
10 Fundamentals of Acting I	3	D
14 Interactive Theater: Acting for Social Change	3	D
117AC California Stories: Theatrical Representations of Race, Labor and Tourism (online)	4	C
118AC Performance, Television, and Social Media (online)	4	C
166 Film Production for Dance and Movement	3	E
<b>UGIS-UG INTERDISC STUDIES</b>		
82 K-8 Teaching and Inquiry-Based Lesson Design in the Science and Mathematics Classroom	2	C
189 Integrating Research Methods into K-12 Teaching in Mathematics and Science	3	C
<b>VISUAL STUDIES</b>		
185X Selected Topics: Word and Image	1 - 4	C
187A Freehand Drawing & Design	1 - 4	C

# Summer Sessions Checklist

- Review instructions for visiting international students at [summer.berkeley.edu/international](https://summer.berkeley.edu/international)
- Check with your home institution for guidelines regarding participation in Summer Sessions
- Research courses at [classes.berkeley.edu](https://classes.berkeley.edu) beginning early December
- Enroll in Summer Sessions courses at [summer.berkeley.edu](https://summer.berkeley.edu) beginning in February
- Apply for your student visa
- Make housing arrangements for summer as soon as possible after registration
- Purchase health insurance

## **NONDISCRIMINATION STATEMENT**

The University of California, in accordance with applicable Federal and State law and University policy, does not discriminate on the basis of race, color, national origin, religion, sex, gender identity, pregnancy, physical or mental disability, medical condition (cancer related or genetic characteristics), ancestry, marital status, age, sexual orientation, citizenship, or service in the uniformed services. The University also prohibits sexual harassment. This nondiscrimination policy covers admission, access, and treatment in University programs and activities.

Photos courtesy of: Keegan Houser, Elena Zhukova, and UC Regents





### Summer Sessions

1995 University Avenue, Suite 130  
Berkeley, CA 94704-7026  
USA



[facebook.com/ucberkeleysummer](https://facebook.com/ucberkeleysummer)



[@berkeleysummer](https://twitter.com/berkeleysummer)



[@ucberkeleysummer](https://instagram.com/ucberkeleysummer)

# Berkeley Summer Sessions [summer.berkeley.edu](https://summer.berkeley.edu) 2019

