

Experience University Research at UC Irvine (大学生)

Summer 2023 Schedule & Fees

4 週間コース : July 16 – August 12

2 週間コース : July30-August12

Overview

Experience University Research (EUR) Summer Packages allow advanced students to enroll in 2-3 classes along with a variety of special presentations, tours, advising sessions, and social events over the course of the 2-and 4-week intensive programs. Meet and study at a Top 10 public university with students from around the world in small classes focused on Project-Based Learning. Build practical skills, gain invaluable experience, and become better prepared to attend a competitive university or start a career.

Course content and schedules are subject to change at the University's discretion. All courses taught in English and open to international and domestic students. Courses with less than 15 students enrolled may be cancelled. Courses are graded on an A-F scale (letter grades).

Benefits

- **Enhance** your resume or university applications by taking undergraduate-level courses taught by UCI faculty or field experts.
- **Get involved** with project-based learning in some of UCI's strongest fields of study: computer science, business, social science, and more.
- **Develop** academic research, critical thinking, writing, and presentation skills.
- **Learn** about UCI and how to enhance your academic and professional career.

Schedule

4-Week Session: July 16 – August 12, 2023

1. Required Core Course
 - a. [Writing 40](#) (4 units)
or
Academic Speaking & Writing (4 units)
2. Elective Options – (all DCE credit)
 - b. Portfolio Management & Financial Markets (2 units)
 - c. Teaching English Practicum (2 units)
 - d. Mandarin/English Translation (1.5 units)
 - e. Intro to AI and Machine Learning (3 units)
 - f. Intro to US Law (2 units)

2-Week Session A: July 16 – 29, 2023

1. Required Core Course
 - a. Academic Speaking & Writing (DCE credit, 2 units)
2. Elective Options – (all DCE credit)
 - b. JavaScript Programming (1.5 units)
 - c. Intro to Analyzing Data (1.5 units)

2-Week Session B: July 30 – August 12, 2023 (フレッシュマン対象特別コース)

1. Required Core Course
 - a. Academic Speaking & Writing (DCE credit, 2 units)
2. Elective Options – (all DCE credit)
 - b. Sustainability & SDGs (1 unit)
 - c. Leadership & Project Management (1 unit)

Course Descriptions

Writing 40: Introduction to Writing and Rhetoric

This course is designed to help you build the skills to read critically, think with complexity, then articulate those thoughts with confidence and growing mastery in a variety of writing situations. It is the first in the three-part lower-division series in composition and rhetoric.

Instructor: Linda Gruen, Ph.D.

Website: <https://www.humanities.uci.edu/comp/courses/wr-39a>

Recommended for: students interested in pursuing a degree in the U.S.

Prerequisites: iBT TOEFL 80 or equivalent

Schedule: MTWThF, daily meetings will be held sometime 8am-5pm

Total Units: 4 (40 hours) – Units for this course is transferable to an undergraduate degree

Academic Speaking & Writing

This course will provide students with key academic speaking and writing skills to successfully navigate the demands of university study. In this course, students will practice their listening and speaking skills through guided instruction and have the opportunity to apply their knowledge in persuasive arguments and presentations that they can expect to encounter in an academic environment. Students will also enhance their writing skills and learn how to maintain appropriate tone and style for writing politely, professionally, and according to academic conventions. Students will learn effective strategies to self-edit and will gain confidence in their ability to compose effective graduate-level papers.

Instructor: Linda Gruen, Ph.D.

Recommended for: students interested in pursuing a degree in the U.S. who do not yet meet undergraduate English proficiency requirements

Prerequisites: none

Schedule: MTWThF, daily meetings will be held sometime 08:00 – 18:00

Total Units: 4- and 2-unit (40 and 20 hours) versions of the course will be offered

Portfolio Management and Financial Modeling

This course applies portfolio theory to new financial products and strategies while providing introductions to investment policies and asset allocation decision making. Students will learn how to balance risk against performance of investments within a portfolio context while modeling real world data in both international and domestic markets.

Instructor: Jason Gurtovoy, Ph.D.

Recommended for: students interested in pursuing a degree or career in finance

Prerequisites: none

Schedule: TBD – classes will be held sometime M-F, 09:00 – 18:00

Units: 2.0 (20 hours)

Teaching English Practicum

Prepare to be a successful ESL/EFL teacher. Cover principles for effective teaching and classroom practices. Practice teaching a variety of classroom activities focusing on different language skills. Evaluate peer presentations orally and self-presentation in writing. Observe or present communicative activities in authentic ESL classes and present a cultural lesson at a local school.

Instructor: Judy Hu, M.A.

Recommended for: students interested in pursuing a degree or career in English language instruction

Prerequisites: iBT TOEFL 80 or equivalent

Schedule: TBD – classes will be held sometime M-F, 09:00 – 18:00

Units: 2.0 (20 hours)

Mandarin/English Translation

Address common challenges in Mandarin Chinese/English translation of written texts and oral presentations in addition to principles of localization, equivalent structures, re-structuring techniques, and language interference. Students will also learn about speed-reading, delivery style, and interpreting lab practices. Materials include high, regular, and low-level texts, drawn from a variety of legal, financial, and technical sources.

Instructor: Jessie Liu, M.A.

Recommended for: students interested in pursuing a career in translation

Prerequisites: iBT TOEFL 80 or equivalent

Schedule: TBD – classes will be held sometime M-F, 09:00 – 18:00

Units: 1.5 (15 hours)

Introduction to AI & Machine Learning

This course introduces concepts and topics essential to AI and Machine Learning. Starting with a foundational understanding of machine learning models such as predictive analytics algorithms, logistic regression, artificial neural networks, and introductory natural language processing, students will also learn major concepts on the design, architecture, and applications of networks. The course will focus on practical knowledge and skills through practice exercises and project work designed to teach students how to implement machine learning algorithms using real-world examples. It is also the first course in the Machine and Deep Learning specialized studies certificate.

Instructor: Arin Ghazarian, Ph.D.

Recommended for: students who have completed coursework in Python

Prerequisites: [I&C SCI X426.59 Intermediate Python](#) or equivalent experience

Schedule: TBD – classes will be held sometime M-F, 09:00 – 18:00

Units: 3 (30 hours)

Introduction to U.S. Law

This course is designed to provide international students with context and a strong foundation of the U.S. legal system in order to study specific areas of law more deeply. The course will introduce U.S. law via property law, with the first 2 classes on common law of property, the second two on regulatory/administrative law (zoning), and the last two on constitutional law (takings, eminent domain, 1st Amendment etc.). It consists of a curated series of lectures and Socratic dialogues to introduce students to the fundamentals of the U.S. legal system and rules of ethics.

Instructor: Kenneth Stahl, J.D.

Recommended for: students interested in pursuing a degree or career in law

Prerequisites: Successful completion of one year of undergraduate studies

Schedule: TBD – classes will be held sometime M-F, 09:00 – 18:00

Units: 2 (20 hours)

JavaScript Programming

Learn how to make web pages more exciting and compelling by adding interactive features that react to externally-driven events. This introductory level course covers the fundamental concepts needed to write simple scripts in JavaScript and prepares students for further study in web programming. Students will learn about event handling and how to perform in-browser manipulation of the Document Object Model (DOM).

Instructor: Christian Hur, M.S.

Recommended for: students interested in acquiring marketable JavaScript skills

Prerequisites: experience with HTML

Schedule: TBD – classes will be held sometime M-F, 09:00 – 18:00

Units: 1.5 (15 hours)

Introduction to Analyzing Data

Learn how to turn data into information for business goals. This Introductory analytics course starts with an overview of data analytics to introduce the different types of data and fundamental concepts behind collecting, storing, and analyzing data.

Instructor: TBD

Recommended for: students interested in pursuing a degree business or data analytics

Prerequisites: none

Schedule: TBD – classes will be held sometime M-F, 09:00 – 18:00

Units: 1.5 (15 hours)

Sustainability & SDGs

Analytical and critical thinking skills are crucial to effective leadership. In this interdisciplinary and hands-on course, students will learn how to analyze solutions from a sustainability, resiliency, and equity lens. By the end of the course, students will be able to conduct assessments of the potentials and limitations of different solutions to the most pressing issues facing humanity today.

Instructor: TBD

Recommended for: students interested improving critical thinking and analytical skills

Prerequisites: none

Schedule: TBD – classes will be held sometime M-F, 09:00 – 18:00

Units: 1 (10 hours)

Leadership & Project Management

Leading successful teams is a goal that every project leader can attain by understanding team dynamics, leadership styles, organizational culture, and psychological needs. This course will provide a holistic view of teambuilding and introduce the foundation of behaviors and skills needed to deliver efficacious happy high-performance teamwork.

Instructor: Karen Nguyen, M.S.

Recommended for: advanced high school students and undergraduates majoring in business, economics, or related fields

Prerequisites: none

Schedule: TBD – classes will be held sometime M-F, 09:00 – 18:00

Units: 1 (10 hours)

Prerequisites:

All courses are open to students ages 15 and older *EXCEPT* Intro to US Law. Students must have completed a minimum of one year of undergraduate studies to enroll in the Intro to US Law elective.

A minimum iBT TOEFL score of 60 or equivalent is required to enroll in the program. Some individual courses may require greater proficiency in English.

Students **MUST** also meet the following prerequisites for to enroll in each individual course.

Course	Prerequisite
Writing 40	iBT TOEFL 80 or equivalent
Academic Speaking & Writing	none
Portfolio Management & Financial Markets	none
Teaching English Practicum	iBT TOEFL 80 or equivalent
Mandarin/English Translation	iBT TOEFL 80 or equivalent
Intro to AI & ML	I&C SCI X426.59 Intermediate Python or equivalent experience
Intro to US Law	Successful completion of one year of undergraduate studies
JavaScript Programming	HTML knowledge
Intro to Analyzing Data	none
Sustainability & SDGs	none
Leadership & Project Management	none

Instructor Biographies

Arin Ghazarian, Ph.D.

Arin Ghazarian is currently a Senior Lead Machine Learning Engineer at Universal Music Group. Prior to that, he was Principal Data and Machine Learning Engineer at The Walt Disney Studios and Senior Big Data Engineer at 20th Century Fox. He has around two decades of experience in the areas of software engineering, data engineering, machine learning, and data science, specifically in domains like movie/music entertainment and health/medical fields. His PhD research focused on the application of machine learning to ECG analysis and privacy preserving data analysis in cardiology. He brings his years of experience in implementing large scale data analytics and machine learning projects to the classroom, preparing students to excel both in job interviews and in their real-world assignments in industry.

Linda Gruen, Ph.D.

Linda Gruen, Ph.D., has thirty years of teaching experience in public education. Her areas of teaching expertise are second language pedagogies and English composition. She has taught academic writing at UC Irvine and Loyola Marymount University.

Jason Gurtovoy, Ph.D.

Jason Gurtovoy is a Senior Economist and Data Scientist at REPSAS. He has worked in the Financial Services industry for over a decade in banking, investments, real estate, and as a consultant. He has 10+ years of experience teaching graduate and undergraduate courses in finance, economics, and data science. He has taught at UCI since 2017.

Judy Hu, M.A.

Judy Hu holds a Bachelor's Degree in Psychology with a Minor in Business Administration, a Master's Degree in Education with Concentration in Teaching English to Speakers of Other Languages, and a Certificate in E-Learning Instructional Design. A UCI instructor since 2012, she has taught in DCE's Intensive English Program to ESL learners, TEFL Accelerated Certificate Program as a teacher trainer, as well as numerous online and remote courses in ESL and TEFL. She has also created many successful online courses for Coursera. In addition to teaching, she has had ten years of experience as a certified scoring professional of GRE, SAT, TOEFL, and TOEIC.

Christian V. Hur, M.S.

Christian V. Hur is an instructor and author who holds a Master of Science in Computer Information Systems with a concentration in Web Application Development from Boston University. His career in web technologies spans over 20 years and he has taught computer programming and web development courses at both the undergraduate and graduate level. In industry, he has built websites and web-based applications using various web technologies throughout his career. In addition to authoring books published by MC Press, he produces online training courses for Lynda.com and Packtpub.com.

Jessie Liu, M.A.

Jessie Liu is a court-certified mandarin interpreter in the State of California. She is currently the intermittent staff interpreter at California Superior Court, San Bernardino County. With a master's degree in Conference Interpreting (MACI, 2021) from Middlebury Institute of International Studies at Monterey (MIIS), Jessie is equally apt at and experienced in simultaneous interpreting for conferences and events in various industries, including but not

limited to electric vehicles (EV), financial and capital markets, corporate management, international sports events and etc. Jessie also teaches the English and Chinese Court Interpreting Program at UCLA Extension.

Karen Nguyen, M.S.

Karen Nguyen, M.S., PMP, CSM has extensive experience in practicing and teaching project management framework, principles, and theories. Her passion is to deliver value and equip students with a distinctive blend of program management along with leadership skills for real-world experience and application. Karen is a recipient of the UCI Division of Continuing Education Alumni of the Year award, SoCal Most Powerful & Influential Woman of Diversity, and Phi Kappa Phi Honor Society for academic excellence. To help inspire others to achieve their success, Karen also does motivational speaking for organizations and charity events across the U.S.

Kenneth Stahl, J.D.

Kenneth Stahl is a graduate of the University of Michigan and Yale Law School. He is currently Professor of Law and the director of the Environmental, Land Use, and Real Estate Law certificate program at Chapman University Fowler School of Law. His research combines doctrinal analysis with insights from disciplines including urban sociology, geography, economics, and the humanities. Professor Stahl's works have appeared in journals including The University of Pennsylvania Law Review, the Harvard Civil Rights-Civil Liberties Law Review, and Cardozo Law Review, among others. Previously, he worked as a Trial Attorney for the United States Department of Justice, Office of Constitutional Torts, and as an Associate at the Washington, D.C. law firm of Arnold & Porter.