

UNIVERSITY OF CALIFORNIA, IRVINE
DIVISION OF CONTINUING EDUCATION

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED • RIVERSIDE • SAN DIEGO • SAN FRANCISCO



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Graduate Academic Study Abroad Program (Grad ASAP) Fall 2020 Course Options

Fall Quarter Program Dates:
September 22 – December 18, 2020

I. Required Courses:

The following courses must be taken during the first quarter of Grad ASAP.

Advanced Academic Writing (7.5 units), M-F

The goal of this course is to prepare advanced English speakers for academic writing at the graduate level, particularly in relation to their chosen fields of study. Students will learn to develop and express ideas effectively for a variety of purposes (expository, analytic, and argumentative), audiences, and occasions.

Graduate Research Seminar (4 units), Tu/Th

This class will guide students to develop advanced academic readiness for graduate school. Students will grapple with global leadership centered topics and therefore test their academic reading, writing, and speaking ability. The main focus of the course will be on the ability to demonstrate graduate level critical thinking, reading, writing, and presentation skills. The content will also support the development of a strong breadth of knowledge in international current events.

II. Elective Courses:

Students may choose *one* course from the following options in their first quarter of Grad ASAP. In optional subsequent quarters, students may be eligible to enroll in multiple graduate courses. All course descriptions available at <http://catalogue.uci.edu>.

A. Professional Post-Graduate Course Options:

Offered by UCI Division of Continuing Education. Available to all university graduates and current graduate students.

- **ELECTRICAL ENGINEERING & COMPUTER SCIENCE: Fundamentals of Embedded Systems Design and Programming (4 units)**
Gain an overview of embedded systems applications and design procedures, and learn how to plan and execute complete embedded systems designs that are cost-effective and competitive. You will gain the knowledge needed to determine and document system requirements for new designs as well as for improving existing systems.
Prerequisite: Familiarity with C Programming. B.S. in Engineering recommended.

- **INFORMATION & COMPUTER SCIENCE: Blockchain Coding (4 units)**
Deep diving into the technical, let's get down to the code level. Beginning with Blockchain Primitives, basics of Ethereum coding, Development Frameworks, and Solidity fundamentals, students will gain a foundation for understanding how a blockchain works on a technical level. After mastering the fundamentals of Ethereum and Solidity, student apply those concepts to write basic Smart Contracts.
Prerequisite: Intermediate level experience with C++, Java, JavaScript, or Python. B.S. in Computer Science recommended.

B. Graduate Course Options:

Offered by various Master's programs at UC Irvine. Available for current graduate students only. Available seats vary per course. Additional course options may be added.

- **ECONOMICS 210A: Microeconomic Theory (4 units)**
Emphasis on the meaning and empirical interpretation of theoretical models. Topics include theory of the firm, theory of the market, theory of the consumer, duality theory, application to econometrics, general equilibrium and welfare economics, uncertainty, game theory.
Restricted to current graduate students only.
- **ECONOMICS 210D: Macroeconomic Theory (4 units)**
Topics include microeconomic foundations of macroeconomics, investment and growth theory, inflation and unemployment, rational expectations and macroeconomic policy, wealth effects, crowding out and fiscal policy, money and interest, open economy models.
Restricted to current graduate students only.
- **ECONOMICS 220A: Statistics and Econometrics I (4 units)**
Begins with Bayesian point estimation. Then covers interval estimation and hypothesis testing from both classical and Bayesian perspectives, followed by a general discussion of prediction. Finally, all these techniques are applied to the standard linear regression model under ideal conditions, Generalized Least Squares (GLS) is introduced.
Restricted to current graduate students only. Departmental approval required.
- **ECONOMICS 229: Special Topics in Econometrics (2-4 units)**
Studies in selected areas of Econometrics. Topics addressed vary each quarter.
Restricted to current graduate students only. Departmental approval required.
- **ECONOMICS 249: Special Topics in Microeconomics (2-4 units)**
Studies in selected areas of Microeconomics. Topics addressed vary each quarter.
Restricted to current graduate students only. Departmental approval required.
- **ECONOMICS 259: Special Topics in Labor Economics (2-4 units)**
Studies in selected areas of Labor Economics. Topics addressed vary each quarter.
Restricted to current graduate students only. Departmental approval required.
- **ECONOMICS 269: Special Topics in Macroeconomics (2-4 units)**
Studies in selected areas of Macroeconomics. Topics addressed vary each quarter.
Restricted to current graduate students only. Departmental approval required.
- **ECONOMICS 279: Special Topics in Political Economy (2-4 units)**
Studies in selected areas of Political Economy. Topics addressed vary each quarter.
Restricted to current graduate students only. Departmental approval required.
- **LOGIC AND PHILOSOPHY OF SCIENCE 244: Proseminar I (4 units)**

The goal of this class is to train students in Philosophy, Political Science, and Economics in order to prepare them for careers in government, law, public or private corporations, and non-profit organizations.

Restricted to current graduate students only. Departmental approval required.

- **MATH 210A: Real Analysis (4 units)**
Measure theory, Lebesgue integral, signed measures, Radon-Nikodym theorem, functions of bounded variation and absolutely continuous functions, classical Banach spaces, L_p spaces, integration on locally compact spaces and the Riesz-Markov theorem, measure and outer measure, product measure spaces.
Restricted to current graduate students only.
- **MATH 220A: Analytic Function Theory (4 units)**
Standard theorems about analytic functions. Harmonic functions. Normal families. Conformal mapping.
Restricted to current graduate students only.
- **MATH 230A: Algebra (4 units)**
Elements of the theories of groups, rings, fields, modules. Galois theory. Modules over principal ideal domains. Artinian, Noetherian, and semisimple rings and modules.
Restricted to current graduate students only.
- **PUBLIC POLICY 215: Statistical Methods for Public Policy (4 units)**
This course introduces students to methods of analyzing and interpreting experimental and survey data. It covers material about the way in which data are collected (experiments versus observational studies), analyzed, and interpreted.
Restricted to current graduate students only.
- **PUBLIC POLICY 240: Microeconomics and Public Policy (4 units)**
This class introduces the fundamental principles of microeconomics that are required for applied policy analysis.
Restricted to current graduate students only.
- **URBAN PLANNING & PUBLIC POLICY 204: Plan Development and Communication (4 units)**
Graphic representation and communication of physical place characteristics, design and physical planning ideas and concepts using a variety of graphic techniques of free hand drawing, sketching, orthographic representations, scale drawings, 3D representations, maps, photo-documentation, and various media.
Restricted to current graduate students only.
- **URBAN PLANNING & PUBLIC POLICY 246: Housing Policy (4 units)**
Examines theories and practices of housing policy and the relationship of housing to larger neighborhood, community, and regional development issues. Considers the roles of private for-profit and not-for-profit developers, lenders, and all levels of government in the provision of housing.
Restricted to current graduate students only.

Additional elective options may be added.

Note: Enrolling in UCI classes is on a space-available basis with permission of the course instructor and/or department.