



DEPARTMENT OF LOGIC & PHILOSOPHY OF SCIENCE

Professor and department chair Jeff Barrett is working to resolve the quantum measurement problem. Photo by Daniel Anderson, UCI Communications.

- Department includes 25 graduate students and 10 faculty, three of whom have earned the UCI distinction of Distinguished Professor
- Philosophical Gourmet Report ranked the department's graduate program #1 in the nation in the philosophy of science and mathematics category
- Topics studied include philosophies of:
 - Biology
 - General scientific method
 - Linguistics
 - Logic and mathematics
 - Physics
 - Social science

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Why does $2 + 2 = 4$? How do alternate quantum worlds exist but still come together to shape our experience? How do we mathematically account for infinite uncertainties in decision making models?

In the UCI Department of Logic & Philosophy of Science, faculty and students investigate these issues and others that cross fields of science, physics, biology, linguistics, social science, logic and mathematics.

investigate

Using mathematical logic, advanced mathematics, computer simulations and other analytic methods, LPS scholars study existing – and develop new – models for explaining how and why the world exists the way that we see it.

innovate

Together with the UC Irvine Department of Philosophy, the faculty who make up the LPS department contribute to the undergraduate curriculum at UC Irvine by teaching courses for a number of philosophy-related degree programs. LPS faculty annually instruct and mentor 25 graduate students who go on to teaching and research careers at top educational institutions around the world.

impact