

Development Practice

The creation of the Berkeley Master of Development Practice (MDP) is part of the response to one of the core recommendations of the International Commission on Education for Sustainable Development Practice, and is generously supported by the John D. and Catherine T. MacArthur Foundation. The commission concluded that there is a significant and growing demand for generalist development professionals—individuals highly trained in a set of cross-disciplinary competencies that prepares them to address the complexities of sustainable development. Students in the program will be immediately plugged into the Global MDP network of 20 universities and partner organizations all over the globe.

Admission to the University

Uniform minimum requirements for admission

The following minimum requirements apply to all programs and will be verified by the Graduate Division:

1. A bachelor's degree or recognized equivalent from an accredited institution;
2. A minimum grade-point average of B or better (3.0);
3. If the applicant comes from a country or political entity (e.g. Quebec) where English is not the official language, adequate proficiency in English to do graduate work, as evidenced by a TOEFL score of at least 570 on the paper-and-pencil test, 230 on the computer-based test, 90 on the iBT test, or an IELTS Band score of at least 7 (note that individual programs may set higher levels for any of these); and
4. Enough undergraduate training to do graduate work in the given field.

Applicants who already hold a graduate degree

The Graduate Council views academic degrees as evidence of broad research training, not as vocational training certificates; therefore, applicants who already have academic graduate degrees should be able to take up new subject matter on a serious level without undertaking a graduate program, unless the fields are completely dissimilar.

Programs may consider students for an additional academic master's or professional master's degree if the additional degree is in a distinctly different field.

Applicants admitted to a doctoral program that requires a master's degree to be earned at Berkeley as a prerequisite (even though the applicant already has a master's degree from another institution in the same or a closely allied field of study) will be permitted to undertake the second master's degree, despite the overlap in field.

The Graduate Division will admit students for a second doctoral degree only if they meet the following guidelines:

1. Applicants with doctoral degrees may be admitted for an additional doctoral degree only if that degree program is in a general area of knowledge distinctly different from the field in which they earned their original degree. For example, a physics PhD could be admitted to a doctoral degree program in music or history; however, a

student with a doctoral degree in mathematics would not be permitted to add a PhD in statistics.

2. Applicants who hold the PhD degree may be admitted to a professional doctorate or professional master's degree program if there is no duplication of training involved.

Applicants may only apply to one single degree program or one concurrent degree program per admission cycle.

Any applicant who was previously registered at Berkeley as a graduate student, no matter how briefly, must apply for readmission, not admission, even if the new application is to a different program.

Required documents for admissions applications

1. **Transcripts:** Upload unofficial transcripts with the application for the departmental initial review. Official transcripts of all college-level work will be required **if admitted**. Official transcripts must be in sealed envelopes as issued by the school(s) you have attended. Request a current transcript from every post-secondary school that you have attended, including community colleges, summer sessions, and extension programs. If you have attended Berkeley, upload unofficial transcript with the application for the departmental initial review. Official transcript with evidence of degree conferral **will not** be required if admitted.
2. **Letters of recommendation:** Applicants can request online letters of recommendation through the online application system. Hard copies of recommendation letters must be sent directly to the program, not the Graduate Division.
3. **Evidence of English language proficiency:** All applicants from countries in which the official language is not English are required to submit official evidence of English language proficiency. This requirement applies to applicants from Bangladesh, Burma, Nepal, India, Pakistan, Latin America, the Middle East, the People's Republic of China, Taiwan, Japan, Korea, Southeast Asia, and most European countries. However, applicants who, at the time of application, have already completed at least one year of full-time academic course work with grades of B or better at a U.S. university may submit an official transcript from the U.S. university to fulfill this requirement. The following courses will not fulfill this requirement: 1) courses in English as a Second Language, 2) courses conducted in a language other than English, 3) courses that will be completed after the application is submitted, and 4) courses of a non-academic nature. If applicants have previously been denied admission to Berkeley on the basis of their English language proficiency, they must submit new test scores that meet the current minimum from one of the standardized tests.

Admission to the Program

Berkeley offers admission to applicants who appear to have the highest potential for graduate study and who, with the benefit of a graduate education, are the most likely to contribute substantially to their academic or professional fields through teaching, research, or professional practice.

International applicants must demonstrate English proficiency by taking one of the following exams:

1. Test of English as a Foreign Language (TOEFL)
2. International English Language Testing System (IELTS)

Selection criteria for the master's program will include the applicant's talent, academic background, work experience, leadership experience,

vision, involvement in critical issues or new areas of research (such as poverty or climate change) and/or proven entrepreneurship. Applicants oriented towards developing managerial skills, improving public policy, and increasing interdisciplinary capacities as development practitioners will receive priority.

In addition to technical backgrounds and leadership potential, we will aim to establish diverse cohorts seeking balance among gender and ethnicity. We expect a highly competitive selection process leading to a mix of qualified international and domestic students. UC Berkeley requires a minimal level of mathematical and statistical skills that will be augmented by the bootcamp, which will aim to ensure that students have the necessary computer skills and a basic understanding of economics, sociology, and business concepts.

Curriculum

Courses Required

| | | |
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| Summer Boot Camp – Intro to Program, Basic Skills Training | | |
| DEVP 222 | Economics of Sustainable Resource Development | 3 |
| DEVP 227 | Principles of Natural Resource Management | 2 |
| DEVP 228 | Strategic Planning and Project Management | 3 |
| A,RESEC C253 | International Economic Development Policy | 3 |
| DEVP C232 | Foundations of Public Health | 2 |
| DEVP 233 | Law, Politics, and Policymaking | 3 |
| DEVP 237 | Leadership, Conflict Resolution, and Community Development | 3 |
| DEVP 220 | Climate Change and Energy | 3 |
| DEVP 229 | Quantitative Methods and Impact Evaluation | 3 |
| DEVP 225 | Innovation, Product Development, and Marketing | 3 |
| DEVP 300 | Course Not Available | 2 |
| Electives per approved study list based on research interest | | |

Development Practice

DEVP 220 Climate Change and Energy 3 Units

The first segment of the course provides an overview of the conceptual science of climate change. The second segment of the course will review energy management concepts. The third segment will present economic and policy perspectives to assess evolution of energy policies and to analyze the political economy of climate change policies and their implications.

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructors: Baldocchi, Nazaroff, Traeger, Rhew, Chiang, Roland-Holst, Kammen, Fisher, Rajagopal

DEVP C221 Climate, Energy and Development 3 Units

Graduate seminar examining the role of energy science, technology, and policy in

international development. The course will look at how changes in the theory and practice

of energy systems and of international development have co-evolved over the past half-

century, and what opportunities exist going forward.

A focus will be on rural and decentralized energy use, and the issues of technology, culture,

and politics that are raised by both current trajectories, and potential alternative energy

choices. We will explore the frequently divergent ideas about energy and development that

have emerged from civil society, academia, multinational development agencies, and the

private and industrial sector.

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructor: Kammen

Also listed as: ENE,RES C221/PUB POL C221

DEVP 222 Economics of Sustainable Resource Development 3 Units

This course will introduce the basic concepts including economic welfare, externality, public good, global commons, policy approaches for dealing with externality, and techniques for quality analysis. It will include case studies where groups will design economic incentives and policy solutions to major problems. It will have sections on particular problems including climate change, water and air quality, animal waste, toxic contamination, forestry and fishery policy.

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructors: Zilberman, Sunding, Roland-Holst, Norgaard

DEVP 225 Innovation, Product Development, and Marketing 3 Units

This course will introduce the basic concepts of innovation, product development, and marketing in developing countries. Students will analyze alternative knowledge and innovation systems, and the role of public and private sector interactions. The course will also introduce models of technology transfers, adoption, and diffusion of technology, as well as introduce students to basic principles of marketing, assessment of consumer choices, and the challenge of bringing to market efficient solutions to meet customer needs.

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructor: Villas-Boas

DEVP 227 Principles of Natural Resource Management 2 Units

This course will introduce concepts in natural resource management. Segment 1 will cover basic modeling, techniques, and methodology in natural resource management and sustainability. Segment 2 will address genetic resources and agriculture. Segment 3 will cover principles of natural resource management, namely water and air, in the development context. Segment 4 provides an overview of major concepts in the conservation of biodiversity. Students are expected to present research reports based on case studies.

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructors: Resh, Kremmen, Feldman, Lemaux

DEVP 228 Strategic Planning and Project Management 3 Units

A pragmatic, interdisciplinary introduction to strategic planning and project management, introducing students to a portfolio of models, tools, and techniques drawn from the private, nonprofit, and public sectors. It will offer an opportunity through case studies, simulations and class projects to apply those approaches in settings relevant to the development field.

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructors: Horvath, Agogino, Danner, Scharffenberger

DEVP 229 Quantitative Methods and Impact Evaluation 3 Units

This course is designed to introduce students to the basic concepts of estimation, prediction, and hypothesis testing. The course will focus on impact evaluation theory and methods and will explore the variety of tools available for rigorously measuring the impact of development programs on poverty.

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructors: Auffhammer, Miguel

DEVP C232 Foundations of Public Health 2 Units

The seminar will introduce core disciplines and concepts in public health, using a case-based, integrated approach. Examples of cases discussed include: respiratory disease and air pollution; tobacco control and prevention of smoking-related conditions; disease elimination or eradication via childhood immunization; environmental control and prevention of schistosomiasis; behavior change and prevention of HIV/AIDS; and novel economic approaches to improving healthcare delivery to impoverished groups.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructors: Reingold, Smith

Also listed as: PB HLTH C253

DEVP 233 Law, Politics, and Policymaking 3 Units

Law, Politics, and Policymaking will introduce students to principles of law, the mechanisms of politics, political economy, and policymaking delving into fundamentals of business, as well as environmental, international, and human rights law in the context of development. This course will provide students with insights into real-world contexts in which sustainable development practice takes place. It will consist of case studies of political economic and legal analysis.

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructors: Farber, Rausser

DEVP 235 Economic Development and Policy 3 Units

Learn to apply the tools of economic analysis to problems of growth, poverty, and environmental sustainability in developing countries and to understand what can be done to promote development through policies and investment projects, and learn to analyze the economic, social, and environmental impacts of specific initiatives. This course will teach students to use data to conduct development analyses and learn to prepare the corresponding reports for international development agencies and policymakers.

Rules & Requirements

Prerequisites: Microeconomics and econometrics at the undergraduate upper-division or Master's level

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructors: de Janvry, Roland-Holst, Raphael

DEVP 237 Leadership, Conflict Resolution, and Community Development 3 Units

This three-segment course starts with critical evaluation of literature and methods for communal natural resource management, followed by a segment that emphasizes leadership skills and conflict resolution approaches for development. The third segment will address issues of conflict and policymaking in a global context and provide the institutional perspective of development organizations and strategies.

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructors: Ray, Carpenter, Barclay

DEVP 239 Interactive/Multidisciplinary Seminar 2 Units

This course provides an opportunity for Master of Development Practice students to interact with a diverse group of invited guest speakers, including academics and practitioners. It will also provide opportunities for group discussion of basic questions, and it will provide opportunities to present ideas and discuss research and internship plans and experiences.

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructors: Zilberman, Scharffenberger

Formerly known as: Development Practice 300

DEVP 246 Transboundary Water Conflict Resolution: The Israeli/Arab Case 3 Units

This course will cover technological, legal, and institutional mechanisms to resolve the water conflict between Israel and its Arab neighbors, emphasizing the agricultural, industrial, environmental and urban sectors that compete over this resource. Students will examine the distribution of available water resources in Israel among different users and sectors as well as between Israel and its neighbors.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructor: Fischhendler

DEVP 295 Implementation and Assessment of Internationally-Funded Development Projects 1 Unit

This course will bridge the gap between development theory and its application by sharing the challenges that arise from: i) the implementation of projects and programs supported by international financing institutions like IFAD; and ii) the assessment of their impact. Since the mandate of IFAD is to focus on fighting rural poverty, the seminar will cover a range of topics regarding: i) sectoral/sub-sectoral domains such as rural development, natural resource management, and micro-finance; ii) vulnerable social groups such as indigenous people, marginal farmers, women and youth; and iii) key development processes such as targeting, empowerment, participatory planning, and monitoring and evaluation.

Hours & Format

Fall and/or spring: 6 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructor: Galletti

DEVP 299 Independent Study 2 - 4 Units

Supervised Independent Study and Research

Rules & Requirements

Repeat rules: Course may be repeated a maximum of 2 times.

Hours & Format

Fall and/or spring: 15 weeks - 2-4 hours of independent study per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructor: Zilberman