

# Development Practice

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## Overview

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 it 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 around the globe.

## Undergraduate Program

There is no undergraduate program in Development Practice.

## Graduate Program

Development Practice (<http://guide.berkeley.edu/archive/2014-15/graduate/degree-programs/development-practice>) : MDP

## 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