

Development Practice

Overview

The **UC Berkeley Master of Development Practice (MDP)** is an interdisciplinary professional degree program designed to prepare leaders to tackle the local, regional, and global challenges of the coming decades. Graduates aspire to careers “with meaning” in non-profit, business, and government organizations. Attracting experienced, engaged, and entrepreneurial students from around the world, its rigorous curriculum provides core scientific knowledge; skills in problem-solving, design, and management; analytical and decision-making tools; and integrative perspectives. The program's foundational core curriculum is supplemented by each student's customized specialization, drawing from the unparalleled breadth and depth of the world's top public university. The Berkeley MDP's focus is on **practice** with hands-on, experiential learning infused throughout the program. It emphasizes peer learning, enriched by a student cohort diverse in education, profession, and culture. Students have backgrounds across the sciences and humanities, and are consistently 40-50% international with alumni representing 26 nations.

The Berkeley MDP is a member of the Global Association of MDP programs – thirty-two graduate programs in nineteen countries – sharing a common approach and designed around a set of core capabilities developed through a year-long consultative process supported by the John D. and Catherine T. MacArthur Foundation.

Undergraduate Program

There is no undergraduate program in Development Practice.

Graduate Program

Development Practice (<http://guide.berkeley.edu/archive/2019-20/graduate/degree-programs/development-practice>): MDP (Master of Development Practice)

Development Practice

Expand all course descriptions [+] Collapse all course descriptions [-]

DEVP 220 Climate Change and Energy 3 Units

Terms offered: Prior to 2007

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.

Climate Change and Energy: Read More [+]

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, Nazarov, Traeger, Rhew, Chiang, Roland-Holst, Kammen, Fisher, Rajagopal

Climate Change and Energy: Read Less [-]

DEVP 221 Climate, Energy and Development 3 Units

Terms offered: Fall 2020

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.

Climate, Energy and Development: Read More [\[+\]](#)

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: Roland-Holst

Climate, Energy and Development: Read Less [\[-\]](#)

DEVP C221 Climate, Energy and Development 3 Units

Terms offered: Fall 2019, Fall 2018, Fall 2017

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.

Climate, Energy and Development: Read More [\[+\]](#)

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

Climate, Energy and Development: Read Less [\[-\]](#)

DEVP 222 Economics of Sustainable Resource Development 3 Units

Terms offered: Fall 2020, Fall 2019, Fall 2018

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.

Economics of Sustainable Resource Development: Read More [+]

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

Economics of Sustainable Resource Development: Read Less [-]

DEVP 225 Innovation, Product Development, and Marketing 3 Units

Terms offered: Spring 2020, Spring 2019, Spring 2018

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.

Innovation, Product Development, and Marketing: Read More [+]

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

Innovation, Product Development, and Marketing: Read Less [-]

DEVP 227 Principles of Natural Resource Management 2 Units

Terms offered: Spring 2020, Spring 2019, Spring 2018

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.

Principles of Natural Resource Management: Read More [+]

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

Principles of Natural Resource Management: Read Less [-]

DEVP 228 Strategic Planning and Project Management 3 Units

Terms offered: Fall 2020, Fall 2019, Fall 2018

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.

Strategic Planning and Project Management: Read More [+]

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

Strategic Planning and Project Management: Read Less [-]

DEVP 229 Quantitative Methods and Impact Evaluation 3 Units

Terms offered: Spring 2013, Fall 2012

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.

Quantitative Methods and Impact Evaluation: Read More [+]

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

Quantitative Methods and Impact Evaluation: Read Less [-]

DEVP 232 Foundations of Public Health 2 Units

Terms offered: Fall 2020

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.

Foundations of Public Health: Read More [+]

Rules & Requirements

Credit Restrictions: Students will receive no credit for DEVP 232 after completing PB HLTH W200. A deficient grade in DEVP 232 may be removed by taking PB HLTH W200.

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.

Instructor: Reingold

Formerly known as: Development Practice C232/Public Health C253

Foundations of Public Health: Read Less [-]

DEVP 233 Law, Politics, and Policymaking 3 Units

Terms offered: Spring 2020, Spring 2019, Spring 2018

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.

Law, Politics, and Policymaking: Read More [+]

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

Law, Politics, and Policymaking: Read Less [-]

DEVP 235 Economic Development and Policy 3 Units

Terms offered: Prior to 2007

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.

Economic Development and Policy: Read More [+]

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

Economic Development and Policy: Read Less [-]

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

Terms offered: Spring 2020, Spring 2019, Spring 2018

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.

Leadership, Conflict Resolution, and Community Development: Read More [\[+\]](#)

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

Leadership, Conflict Resolution, and Community Development: Read Less [\[-\]](#)

DEVP 239 Interactive/Multidisciplinary Seminar 2 Units

Terms offered: Fall 2020, Spring 2020, Fall 2019

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.

Interactive/Multidisciplinary Seminar: Read More [\[+\]](#)

Rules & Requirements

Prerequisites: Graduate student standing or consent of instructor

Repeat rules: Course may be repeated for credit without restriction.

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

Interactive/Multidisciplinary Seminar: Read Less [\[-\]](#)

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

Terms offered: Spring 2016, Spring 2015

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.

Transboundary Water Conflict Resolution: The Israeli/Arab Case: Read More [\[+\]](#)

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

Transboundary Water Conflict Resolution: The Israeli/Arab Case: Read Less [\[-\]](#)

DEVP C246 Transboundary Water Conflict Resolution: The Israeli/Arab Case 3 Units

Terms offered: Fall 2018

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.

Transboundary Water Conflict Resolution: The Israeli/Arab Case: Read More [\[+\]](#)

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

Also listed as: GEOG C246

Transboundary Water Conflict Resolution: The Israeli/Arab Case: Read Less [\[-\]](#)

DEVP C253 International Economic Development Policy 3 Units

Terms offered: Fall 2020, Fall 2019, Fall 2018

This course emphasizes the development and application of policy solutions to developing-world problems related to poverty, macroeconomic policy, and environmental sustainability. Methods of statistical, economic, and policy analysis are applied to a series of case studies. The course is designed to develop practical professional skills for application in the international arena.

International Economic Development Policy: Read More [a]

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.

Also listed as: A,RESEC C253/PUB POL C253

International Economic Development Policy: Read Less [-]

DEVP 290 Special Topics 1 - 3 Units

Terms offered: Fall 2020

This course provides a hands-on introduction to entrepreneurship as it relates to sustainable development. Its focus is on exploring and developing the toolsets, skillsets and mindsets required to launch and sustain a successful venture, be it from the ground up or from inside an existing organization, for-profit or non-profit. Guided by visiting experts and guest lectures, students will learn how to focus on "customers" first and to understand "sustainability" not only in environmental and social terms but also how to ensure critically important financial sustainability. Special Topics: Read More [a]

Rules & Requirements

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

Hours & Format

Fall and/or spring: 15 weeks - 1-3 hours of lecture per week

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructor: Coopersmith

Special Topics: Read Less [-]

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

Terms offered: Fall 2019, Fall 2016, Fall 2015

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.

Implementation and Assessment of Internationally-Funded Development Projects: Read More [a]

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

Implementation and Assessment of Internationally-Funded Development Projects: Read Less [-]

DEVP 296 Innovative Finance for Development 3 Units

Terms offered: Spring 2020, Spring 2019, Spring 2018

This course will focus on the means and methods of finance applied to social, economic, and environmental challenges facing developing economies. It will survey the application of innovative financing emerging through new products and services, new processes and operations and organizational forms in addressing problems as diverse as entrepreneurial finance, renewable energy, environmental finance, global health, accelerating medical solutions, regional development, affordable housing, urban revitalization and infrastructure.

Innovative Finance for Development: Read More [+]

Objectives & Outcomes

Course Objectives: In addition to understanding the evolving field of development finance, students will discover why capital structure matters in aligning diverse interests into new business models for sustainable social and economic change and develop capacity in designing appropriate financial products/structure.

Student Learning Outcomes: Students will acquire and apply data gathering, economic, and financial analytical skills to identify specific market failures in developing economies enabling them to apply appropriate financial tools to bridge capital gaps for project and enterprise finance. They will:

- Design and construct an innovative finance application in a developing economy;
- Measure, analyze and report development impacts of an innovative finance project;
- Identify and develop how a development impact investment would benefit and expand capital access through the creative use of innovative financing tools;
- Assist a high-impact project to access flexible market and below-market financial tools;
- Identify how to structure the transaction and identify potential interested partners with aligned interests in the proposed project.

Hours & Format

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

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructor: Yago

Innovative Finance for Development: Read Less [-]

DEVP W297 Global Health and Conflict in the Middle East and North Africa 2 Units

Terms offered: Fall 2019, Spring 2019

Conducted in cooperation with University of California, San Francisco (UCSF) and American University of Beirut (AUB), this project- and case-based virtual exchange course will offer students the unique opportunity to learn about issues surrounding global health and conflict in the Middle East and North Africa while participating in a meaningful cross-cultural exchange. Looking at a range of topics related to the subject, the course will be comprised primarily of expert lectures, case studies, and an interdisciplinary group project, in which UC Berkeley students team up with medical students at UCSF and public health graduate students at AUB.

Global Health and Conflict in the Middle East and North Africa: Read More [+]

Hours & Format

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

Online: This is an online course.

Additional Details

Subject/Course Level: Development Practice/Graduate

Grading: Letter grade.

Instructor: Gottreich

Global Health and Conflict in the Middle East and North Africa: Read Less [-]

DEVP 299 Independent Study 2 - 4 Units

Terms offered: Fall 2020, Spring 2020, Fall 2019

Supervised Independent Study and Research

Independent Study: Read More [+]

Rules & Requirements

Repeat rules: Course may be repeated for credit up to a total 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

Independent Study: Read Less [-]