

## CENTRE FOR ENVIRONMENTAL ECONOMICS AND CLIMATE CHANGE

### Fields of Specialisation for Mphil in Environmental Economics

Following elective courses are offered (in four areas of specialisation) in environmental economics:

### Elective Courses and Areas of Specialisation for Environmental Economics

#### A. Environment and Socioeconomic Well being

ENV 700	Population Dynamics and Environment
ENV 710	Urbanization and Environment
ENV 712	Poverty and Environment
ENV 718	Environment and Health
ENV 725	Economics of Climate Change

#### B. Environment, Trade and Industrial Development

ENV 702	International Economics and Environment
ENV 706	Industrial Economics and Environment
ENV 716	Environment and Technology
ENV 720	Environmental Economics: Energy Issues
ENV 731	Science and Environment

#### C. Agriculture and Natural Resources

ENV 704	Agricultural Economics and Environment
ENV 722	Environmental Economics: Water
ENV 724	Environmental Economics: Forests
ENV 728	Remote Sensing and GIS for Environmental Economists
ENV 730	Ecological Economics

#### D. Environmental Laws and Governance—National and Global Issues

ENV 708	Governance and Global Environmental Issues
ENV 714	Environmental Laws—National and International
ENV 726	Public Finance and Environmental Policy Instruments
ENV 734	Environmental Issues, Policies and Institutions in Pakistan

Dissertation

## PAKISTAN INSTITUTE OF DEVELOPMENT ECONOMICS

Pakistan Institute of Development Economics (PIDE) was established in 1957 and was accorded the status of an autonomous research organization in 1964 by the Government of Pakistan. It is devoted to theoretical and empirical research on economic and related social sciences issues. In addition to providing a firm academic basis to economic policy-making, its research also provides a window through which the outside world can view the nature and direction of social science research in Pakistan. Over the past more than half a century, PIDE has earned an international reputation and recognition for its research, and is now a federally chartered degree awarding institute offering world class degrees in economics, environmental economics, economics and finance, health economics, development studies, public policy, econometrics and statistics, and Business Studies.

### Contact

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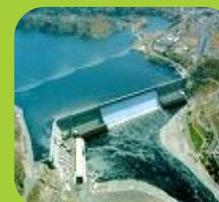
## Pakistan Institute of Development Economics (PIDE), Islamabad

### THE CORE

#### Conserve



#### Optimize



#### Reduce



#### Explore



## M Phil Environmental Economics

## MPhil-Environmental Economics

Efficient use and conservation of environmental resources are critical for long term sustainable economic development and for the well-being of mankind. Rapid degradation of these resources has raised several critical concerns, viz., the water scarcity/ insecurity and pollution, air pollution, waste management, deforestation, inefficient use of energy, loss of biodiversity, climate change and various others. The global consequences of climate change include decline in agricultural productivity, increase in water shortages, rising sea level, melting of glaciers, deforestation, loss of biodiversity, adverse impact on ecosystem, and on health. Thus, environmental degradation and climate change are becoming critical in the debate on sustainability of economic development and maintaining quality of life.

In view of the importance of these issues and to bring the researchers and students closer to the frontier of knowledge, the **Department for Environmental Economics** has been started offering M.Phil Degree at Pakistan Institute of Development Economics, Islamabad, Pakistan.

### Vision

Knowledge Creation and Dissemination for Sustainable Human-Nature Interaction.

### Mission

Conducting and facilitating research through the CORE: Conservation Optimisation, Reduction and Exploration.

In view of the current lack of awareness and knowledge of Environmental issues, the MPhil Environmental Economics Programme is designed to:

- Impart a sound understanding of the nexus between the economy and the environment;
- Teach major concepts and theories to explain and describe the economic behaviour of human beings and its impact on the environment.

- Outline and contrast the major economic schools of thought on environment, and highlight the weaknesses of each market system (especially with regard to environmental aspects) and discuss the associated role of the government in the economy.
- Supply high quality personnel to the federal and provincial governments, to educational institutions, to research institutions and to the private sector.

The teaching curriculum is focused on:

- Developing the role and application of economic approaches for environmental issues.
- Essential features of the market mechanism to control environmental degradation for sustainable economic development
- The nature and treatment of environmental effects in economic reasoning and decision-making
- The application of environmental policy instruments.

After successfully completing this programme, the students should:

- Have a basic understanding of the measurement of net social impact of alternative environmental options.
- Be able to apply economic tools for valuation and other non-economic decision-making tools; and also distinguish between economic valuation tools and policy instruments.
- Describe, critically review, and engage in the appropriate selection of the major existing economic tools for environmental management.
- Be familiar with the essential features of the range of contemporary conceptual frameworks and sustainability assessment approaches with a significant economic component.

## The Eligibility Criteria

Masters in Economics, Agricultural Economics or BS-Honours with Economics with GPA equal to or above 2.5 or 2nd division are eligible to apply.

Additionally those who have done masters or hold a BS-Honours degree and have sufficient working experience in the areas of Environment and Climate change may also apply.

## The Faculty

Our faculty has acquired education from world renowned universities such as Columbia University, Ohio State University of USA, AIT of Thailand, International Islamic University and Quaid-i-Azam University of Pakistan.

Duration: 4 Semesters

Credit Hours: 27 credits of course work and Dissertation (12 Credit)

## Courses

*Core Courses:*

- Economics of Environment and Natural Resources
- Estimation Techniques for Environmental Economists
- Measurement and Valuation Techniques for Environmental Economics
- Sustainable Development and Economic Policy
- Microeconomic Theory
- Macroeconomic Theory
- Research Methodology for Environmental Economists