

Regional Development Planning

| Code | Credit Hours |
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| URP 804 | 3-0 |

Course Description

This course aims to provide a comprehensive study of regions and processes of regional change. It aims to impart an understanding of the tools, methods, and theories of regional analysis derived from disciplines such as economics, geography, government, sociology, engineering, agriculture, regional and town planning, and environmental science. Upon completion of this course, students will:

- Possess theoretical and applied knowledge of regional, political, and planning issues.
- Be equipped for employment in central government, regional organizations, and private consultancies or to pursue further studies at the graduate level.

Textbooks:

1. Jonathan Barnett, Planning for a New Century: The Regional Agenda, ISBN 1-55963-806-0
2. Peter Calthorpe & William Fulton, The Regional City: Planning for the End of Sprawl, ISBN 1-55963-784-6

Reference Books:

1. Patricia E. Salkin, Supersizing Small Town America: Using Regionalism to Right-Size Big Box Retail, 6 Vermont Journal of Environmental Law 9 (2005)
2. Sameer Kochhar, Deepak B Phatak, H Krishnamurthy, Gursharan Dhanjal, eds., Infrastructure & Governance, Academic Foundation, New Delhi, 2008
3. Sameer Kochhar & M Ramachandran Building from Bottom Infrastructure and Poverty Alleviation
4. James Parkin & Deepak Sharma Infrastructure Planning

Prerequisites

Nil

Assessment System for Theory

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| Quizzes | 10-15% |
| Assignments | 5-10% |
| Mid Terms | 25% |

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| ESE | 40-50% |
| Term Project | 10% |

Teaching Plan

| Week no | Topics | Learning outcome |
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| 1 | Introduction to the course- Basic Regional Planning Concepts | To introduce regional planning concepts to enhance student understanding of principles and methods for addressing spatial development challenges. |
| 2 | The Region in the Regional Planning The concept of region, types of planning regions | Develop understanding of different types of regions and their importance in regional analysis and planning. |
| 3 | Regionalization and Delineation of regions Methods of regionalization of formal regions using the <i>weighted index method</i> and the <i>factor analysis method</i> | To learn about different tools for delineating formal and functional regions and apply them with a focus on Pakistan's geographical context. |
| 4 | Regionalization and Delineation of regions Methods of regionalization of functional regions by deploying <i>flow analysis</i> and <i>gravitational analysis models</i> | To learn about different tools for delineating formal and functional regions and apply them with a focus on Pakistan's geographical context. |
| 5 | Theories of overurbanization and approaches to regional development | To develop understanding of modern theories of urbanization and regional development, with a focus on their application and relevance to Pakistan's context. |
| 6 | The Analysis of Regions Inter-region analysis, the regional framework, and descriptive regional <i>input-output tables</i> | To learn interdependencies and economic relationships within an economy by detailing the flow of goods and services between industries. |
| 7 | Regional change – Short term Economic base theory, Inter-regional trade multipliers and regional input-output analysis | Understand the factors influencing differential regional growth rates by analyzing economic indicators. |
| 8 | Regional growth – long term Assessing the regional growth by using aggregate growth models | Understand the factors influencing differential regional growth rates by analyzing economic indicators. |
| 9 | MID SEMESTER EXAM | |
| 10 | Regional growth – long term Assessing the regional growth by using disaggregate growth models | Understand the factors influencing differential regional growth rates by analyzing economic indicators. |
| 11 | Intra-Regional Analysis IR by using the Industrial location theory | To learn to utilize Industrial Location Theory to identify regional economic |

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| | | hubs suitable for industrial establishment locations. |
| 12 | Theories of Regional Development Growth pole theory The spatial structure of the regions using Central place theory | To apply central place theory to analyze the regional structure and allocate transportation and market facilities effectively. |
| 13 | Theories of Regional Development Growth Pole Theory (GPT) GPT and Regional planning and modeling spatial interaction | To learn to utilize GPT to identify regional economic hubs suitable for industrial establishment locations. |
| 14 | Sustainable Regional development CPEC and Regional Development in Pakistan | To learn how the CPEC initiative will impact regional development in Pakistan. |
| 15 | Rural development as an instrument of Regional Development | To understand the role of rural development in achieving sustainable regional development. |
| 16-17 | Environmental and energy impacts of regional infrastructure development; centralized vs. decentralized systems | To analyze the environmental and energy impacts of regional infrastructure development for sustainability and resource efficiency. |
| 18 | END SEMESTER EXAM | |