Planning in Rural Development

Instructor: Dr. Ali Yousefi

Level: Graduate

IUT Couse Number: 36-18-617

Taught in: Spring

Web Course URL: http://ivut.iut.ac.ir/login.php?course=299 (Restricted Access)

Course Description and Objectives

In developing countries, rural planning is expected to achieve an eclectic mixture of goals. The more pragmatic ones include effective delivery of public services such as schooling and health care, and the efficient provision of infrastructure for water supply and sanitation, access, communications and electricity. More complex goals include the sustainable use and management of the natural resources that underpin rural livelihoods, and encouragement and support for local enterprises that can broaden the base of the economy, for instance, by provision of facilities and credit. Intangible goals include poverty alleviation, equity and empowerment of local people through participation in the planning process itself.

This course provides a lucid explanation of the main techniques used for development policy formulation in developing countries, and discusses their application.

Pre-requisites

Economic Development

Course Meeting Times

Lectures: 2 sessions / week

 Sunday 8-10 AM (Class 11)

Monday 13:30-14:30 PM (Class 14)

Assignments and Grading

ACTIVITIES	PERCENTAGES
Project	30%
Final Exam	70%

Syllabus and Reading

	TOPICS	READING
I. INTRODUCTION		
1	An Introduction to Planning	صرافی، مظفر (۱۳۷۹). مبانی برنامه ریزی توسعه منطقه‌ای، انتشارات سازمان مدیریت و برنامه‌ریزی کشور.
2	The Processes of Planning	Chapter 1-2 in Dent, D., Dubois, O., & Dalal-Clayton, B. (2003). *Rural planning in developing countries: Supporting natural resource management and sustainable livelihoods*: Routledge.
3	The Types of Planning	
4	The Structure of Planning	Chapter 1-3 in Archibugi, F. (2007). *Planning theory: from the political debate to the methodological reconstruction*: Springer.
II. PROGRAMMING APPROACH TO PLANNING		
5	An Introduction to Mathematical Programming	فصل ۲، ۳ و ۷ از سلطانی غلامرضا، زیبایی منصور و کهخا احمد علی (۱۳۷۸). کاربرد برنامه ریزی ریاضی در کشاورزی، انتشارات سازمان تحقیقات آموزش و کشاورزی.
6	A Simple Linear Programming Problem: a Graphic Solution	Chapter 5 in Isard, W., Azis, I. J., Drennan, M. P., Miller, R. E., Saltzman, S., & Thorbecke, E. (1998). *Methods of interregional and regional analysis* (Vol. 490): Ashgate Aldershot.
7	Linear Programming: Simplex Method Example	
8	Sensitivity Analysis	
9	Shadow Pricing of Resources	Chapter 5 in Chowdhury, A. (1993). *Development policy and planning: an introduction to models and techniques*: Routledge.
10	Assumption of Linear Programming	
11	Computational Difficulties in Liner programming	Chapter 2 & 3 in Hazell, P. B. R., & Norton, R. D. (1986). *Mathematical programming for economic analysis in agriculture*: Macmillan New York. (FREE ACCESS)

	TOPICS	READING
12	An Introduction to Lindo and GAMS Software	LINDO User Manuals (FREE ACCESS) A GAMS Tutorial (FREE ACCESS) GAMS - A User's Guide (FREE ACCESS)

III. MULTIPLE CRITERIA ANALYSIS FOR DECISIONS MAKING

	TOPICS	READING
13	An Introduction to Multi-criteria Decision Making	Chapter 3 & 4 in Romero, C., & Rehman, T. (2003). *Multiple criteria analysis for agricultural decisions (Vol. 11): Elsevier Science.*
14	Multi-Objective Decision Making: Goal Programing	
15	Goal Programing: Lexicographic and Weighted Methods	
16	Multi-Attribute Decision Making: Analytical Hierarchy Process (AHP)	
17	An Introduction to Expert Choice Software	Desktop-based Expert Choice Software (FREE ACCESS)

IV. REGIONAL AND INTERREGIONAL INPUT-OUTPUT ANALYSIS

	TOPICS	READING
18	The Statistical Framework: Input Output Accounts	Chapter 3 in Isard, W., Azis, I. J., Drennan, M. P., Miller, R. E., Saltzman, S., & Thorbecke, E. (1998). *Methods of interregional and regional analysis (Vol. 490): Ashgate Aldershot.*
19	Input-Output: a Sketch of the System	Chapter 3 in Chowdhury, A. (1993). *Development policy and planning: an introduction to models and techniques: Routledge.*
20	Technical Coefficient and Input-Output Analysis	Chapter 1 -3 Miller, R. E., & Blair, P. D. (1985). *Input-output analysis: foundations and extensions (Vol. 328): Prentice-Hall Englewood Cliffs, NJ.*
21	Policy Applications of Input-Output Analysis	
22	Rational Analysis in the Field	

V. MULTI-SECTORAL MODELS AND THE SOCIAL ACCOUNTING MATRIX

	TOPICS	READING
23	The Overall Conceptual Framework	Chapter 7 in Isard, W., Azis, I. J., Drennan, M. P.,

	TOPICS	READING
24	Classification and Disaggregation of Accounts	Miller, R. E., Saltzman, S., & Thorbecke, E. (1998). *Methods of interregional and regional analysis* (Vol. 490): Ashgate Aldershot. Chapter 4 in Chowdhury, A. (1993). *Development policy and planning: an introduction to models and techniques*: Routledge. Pyatt, G., & Roe, A. (1978). *Social accounting for development planning*: Cambridge University Press. (FREE ACCESS) Breisinger, C., Thomas, M., & Thurlow, J. Social Accounting Matrices and Multiplier Analysis. *An Introduction with Exercises. Food Security in Practice Technical Guide, 5*. (FREE ACCESS)
25	Data Requirement in the construction of a Social Accounting Matrix	
26	Social Accounting Matrix multiplier Analysis	
VI. LOCATIONAL ANALYSIS		
27	Agglomeration and Location	Chapter 1 in Isard, W., Azis, I. J., Drennan, M. P., Miller, R. E., Saltzman, S., & Thorbecke, E. (1998). *Methods of interregional and regional analysis* (Vol. 490): Ashgate Aldershot. Chapter 1-3 in Capello, R. (2007). Regional economics. *London and New York.*
28	Accessibility and Location	
29	Hierarchy and Location	