

INTERNATIONAL UNIVERSITY OF JAPAN
Graduate School of International Relations

Academic Year: 2016/2017

Term: Spring

Course	Course code ADC 6521	Course title Development Planning	
Name of Instructor	Takahiro Akita		Credit Number: 2
Instructor's contact Information	Office#	Office Hours Friday 10:30-11:00am	E-mail: akita@iuj.ac.jp
Class Schedule Day / Time	Friday / 14:40-16:10, 16:20-17:50		

Course Description: This course is designed to introduce some techniques and models of development planning and policy analysis in developing as well as developed countries. The course focuses on multi-sector models and their applications in development planning. Topics covered in the course include simple aggregate growth models (Harrod-Domer model and Solow growth model), national and regional input-output (I-O) models, interregional and international I-O models, regional growth models (shift-share analysis), environmental I-O models, and environmental accounting (e.g., National Accounting Matrix including Environmental Accounts, a System of Integrated Environmental and Economic Accounting). MS-Excel and Gauss, running on MS Windows, will be used to conduct input-output analyses.

Learning Objectives: The objectives of this course are as follows:

1. You will learn to use some of the important models of development planning and policy analysis in developing as well as developed countries, to recognize their assumptions and limitations, and to employ them in formulating development plans.
2. Reinforce your computer skills. You will exploit the computer as a resource in your analysis, and you will confront the special character of the computer as a tool for development planning.

Career Relevance: The course will enhance students' capacity in the construction of development planning models and the formulation of development plans.

Course Context or Rationalization: This course is one of the courses offered for the IDP and PMPP students in their second year program that will enhance students' analytical and problem solving capacity.

Delivery Methods: lecturing, case discussions, and computer workshops

Assessment:

Midterm Examination (in class) 40%

Term paper 40%

Homework assignments 10%

Class participation (constructive) 10%

Prerequisite: Mathematics for Economics and Management	
Textbook(s)	<p>Reference books/Journal Articles:</p> <ol style="list-style-type: none"> 1. Miller, R. E., and P. Blair, 1985, Input-Output Analysis: Foundations and Extensions, Prentice Hall, Inc. 2. Miller, R. E., and P. Blair, 2009, Input-Output Analysis: Foundations and Extensions, 2nd edition, Cambridge University Press. 3. Bulmer-Thomas, V., 1982, Input-Output Analysis in Developing Countries: Sources, Methods and Applications, John Wiley & Sons Ltd 4. Leontief, W., 1986, Input-Output Economics, 2nd edition, Oxford University Press. 5. Hewings, G.J.D., 1985, Regional Input-Output Analysis, SAGE Publications, Inc. 6. Armstrong, H., and J. Taylor, 1985, Regional Economics and Policy, Philip Allan. 7. Todaro, M.T. and S.C. Smith, 2003, Economic Development, 8th edition, Addison Wesley.
Class Outline	<ol style="list-style-type: none"> 1. Course Introduction 2. Aggregate Growth Model: Harrod Domer Model and Solow Growth Model 3. Introduction to I-O Models and Analyses: (1) Basic Assumptions and Formulation; (2) Open Models and Closed Models 4. Introduction to I-O Models and Analyses: (3) Accounting for Imports and Exports 5. Introduction to Matrix Algebra 6. Computer workshop 1 7. Multiplier Analyses 8. Inter-industrial Linkage Analysis: Backward Linkage and Forward Linkage (based on Supply-Side I-O Models) 9. Projecting I-O Coefficients: RAS Method (Non-Survey Method) 10. Computer workshop 2 11. Identifying Sources of Economic Growth by I-O Tables 12. Interregional and International I-O Models 13. Analysis of Regional Structure and Growth: Shift-Share Analysis 14. Computer workshop 3 15. Midterm Examination 16. Midterm Examination 17. Analysis of Regional Structure and Growth: Location Quotient & Coefficient of Localization 18. Environmental I-O Models 19. Social Accounting Matrix and Environmental Accounting 1 (e.g., A System of Integrated Environmental and Economic Accounting and Green GNP) 20. Social Accounting Matrix and Environmental Accounting 2 (e.g., A System of Integrated Environmental and Economic Accounting and Green GNP)
Others (if any)	<p>This course needs Gauss (software program) to be installed in all PC at the PC rooms.</p>