

RURAL DEVELOPMENT
SIS 695 (Spring 2006)

Gordon Appleby

NOTE: If the professor is out-of-town during any week, a replacement class may be held on a Saturday morning or another professor may take over that class. It is therefore most strongly recommended that any student who cannot attend a replacement class or who cannot abide a qualified substitute professor not take this course, for it will not be possible to make other arrangements.

Rural Development examines the bases of economic growth in agrarian regions generally, and the causes of poverty and the approaches to poverty alleviation in developing countries today in particular. **Rural Development** is organized in three sections: 1) How agrarian regions are organized and function over time, 2) Approaches to rural development, and 3) Problems and prospects for the future. The course espouses a regional approach to rural development that complements macro-analysis and village-level interventions. The premise is that national macroeconomic planning and local (often NGO) initiatives are strongly influenced by intermediary structures – regional systems – that receive scant attention in the development literature and in development planning. Each session examines the week's topic both from the perspective of developed countries and, in greater detail, from the perspective of developing countries in order to highlight the differences and interconnections in our world and to assess where developing countries are going and how.

The aims of the course are:

- ✓ To consider agrarian development in historical and spatial perspective.
 - In historical perspective, the key questions are: How has agricultural technology changed over time, and why? And, how do technological and organizational change affect regional organization?
 - In spatial perspective, the key questions are: What are the linkages today between developed and developing countries, and how do these linkages affect rural organization and development?
- ✓ To appreciate the distinct nature of rural development issues in developed and in developing countries, and how lessons from developed country experience can (and cannot) be applied to developing countries;
- ✓ To underscore the importance of incorporating a social perspective into developmental analyses, and
- ✓ To examine the environmental issues in both the developed and the developing countries.

Participant Obligations:

- To read assigned readings, and be prepared to comment on and evaluate the readings
 - To attend class regularly and to participate actively in class discussions
 - To write one ten-to-fifteen-page paper in class on a sectoral issue in rural development
 - To present their paper in class for discussion
 - To write a take-home final examination
- Assigned readings. The required and suggested readings for the course are listed separately. The required texts for this course are:

Brown, Lester R., Janet Larsen and Bernie Fischlowitz-Roberts
2002 The Earth Policy Reader. New York: Norton. Pp. 87-90 (Eco-Economy Indicators, Population Growing by 80 Million)

Diemer, Geert and Frans P. Huibers
1996 Crops, People and Irrigation. London: Intermediate Technology Publications.

Eicher, Carl K. and John M. Staatz (eds.),
1998 International Agricultural Development (Third Edition), Baltimore: The Johns Hopkins University Press.

Schlosser, Eric
2002 Fast Food Nation. New York: Harper Collins (Perrenial)

- Class participation. Learning is an active process of thinking, questioning and rethinking. Students are expected to raise issues in class, to bring their personal experience to the discussions, and to contribute positively to the issues of the day.
- Class assignments. Short assignments will be provided over the semester, and students are expected to complete the assignments in time for the relevant class. Students may be called upon to present their findings to the group during the class discussions.
- Class members are expected to write one independent research paper that presents a rural development issue and its resolution in a sector (e.g., rural credit, cooperative organization, women's role in agriculture). Students are expected to discuss the prospective topic with the instructor at least two weeks before embarking on the research and write-up. Generally, it is best to select a topic with which you are either familiar or interested, and to illustrate the basic points of the paper with a single case example. The paper will be provided to the professor both in paper copy and electronic version (Word). The papers are expected to your own work; plagiarism – whether part of a paragraph or an entire paper -- earns an automatic F for the course. All papers must be properly referenced, using standard formats.
- Class presentation. Class members are expected to present their paper orally to the class. Each presentation will be approximately 10 – 15 minutes, and may use visual aids such as powerpoint presentation and hand-outs. The class presentation **must** be made as scheduled because the topic is keyed to the subject for that week.

○ Final examination. A take-home final examination will be distributed at the last class, and must be returned, completed, by the assigned due date, which is May 8. The finals are to be turned in to me (my mailbox) in Hurst 214 AND an electronic copy send to me at appleby@rcn.com. Only the paper copy will be graded; the electronic copy is for my files.

Grades:

Grades will be determined as follows: class participation, 20 percent; class assignments, 15 percent; paper 25 percent; oral presentation of paper, 15 percent, and final exam, 25 percent.. All assignments are due on the date specified. Late submissions will incur a penalty of one point per day.

Office Hours

Office Hours are 7-8 pm, Monday evening, Hurst Hall, 2nd floor (Room 214).

All students are expected to come at least once during the semester to discuss their paper and presentation topic.

RURAL DEVELOPMENT

	8:10-9:00 pm	9:10-10:30 pm
Session 1: Jan. 23 Introduction: Rural Development	<ul style="list-style-type: none"> o Course Logistics o Course Program o Individual Introductions 	<ul style="list-style-type: none"> o What is rural development o Why is rural development relevant today o Why Every Case is Both Similar and Different – Classifying Societies, Politics and Economies
Session 2: Jan. 28 (Saturday) Classic Theories of Rural Development and the Organization of Agrarian Regions	<ul style="list-style-type: none"> o Population Trends, Carrying Capacity, and Technological Invention: Perspectives from <ul style="list-style-type: none"> • Malthus • Boserup • Brown 	<ul style="list-style-type: none"> o Central Place Theory (Christaller)
Session 3: Jan 30 American Agrarian History: The Industrialization of Agriculture; Globalization	<ul style="list-style-type: none"> o American Agricultural Development o Recent Changes in Agricultural Production and Marketing o The Social Implications of Agricultural Organization of Production (Goldschmidt) 	<ul style="list-style-type: none"> o Understanding the Organization of Agrarian Regions Globalization Yesteryear and Today
Session 4: Feb. 4 (Saturday) Theoretical Bases for Planning Change in Agrarian Regions	<ul style="list-style-type: none"> o Central Place Theory o Regional Development (Rodinelli) 	<ul style="list-style-type: none"> o Using Theories of Agrarian Organization to Understand Rural Development and Monitor Projects
Session 5: Feb. 6 Plantations and Large-scale Agriculture	<ul style="list-style-type: none"> o Dual Economies o Plantations as Growth Poles o The Social Organization of Plantations 	<ul style="list-style-type: none"> o <i>Video: Joe Leahy's Neighbors</i> o Discussion
Feb. 13: NO CLASS		
Feb. 20: NO CLASS		
Feb. 27: NO CLASS		
Session 6: March 6 The Green Revolution, Hybrids and GMOs; the CGIARs	<ul style="list-style-type: none"> o Food Security o The Green Revolution o Hybrids and GMOs o Environmental Consequences 	<ul style="list-style-type: none"> o The CGIARs :Agriculture Research and Outreach Today o Discussion o <i>Video: Seeds of Plenty, Seeds of Sorrow</i>
Session 7: March 11 (Saturday) Large-scale Water Projects	<ul style="list-style-type: none"> o The Logic for Major Interventions for Regional Development o Promises vs. Performance in Large-scale Schemes 	<ul style="list-style-type: none"> o <i>Video: Large Dams and Small People: Management of an African River</i> o Discussion
MARCH 13: NO CLASS	SPRING BREAK	

Session 8: March 20 Small Scale Irrigation and Other Local Interventions	<ul style="list-style-type: none"> ○ Small Scale Irrigation: Design: Theory and Practice 	<ul style="list-style-type: none"> ○ <i>Video: The Goddess and the Computer</i> ○ Discussion
Session 9: March 27 Servicing Agriculture: Input Supply, Technical Assistance, Marketing, and Cooperatives and Collective Action	<ul style="list-style-type: none"> ○ Agricultural Credit and Loans ○ Agricultural Inputs (Seed, Chemicals) ○ Agricultural Marketing ○ Agricultural Extension: T&V vs. CTTA 	<ul style="list-style-type: none"> ○ The Logic of Cooperatives ○ The History of Cooperative Action ○ How to Organize a Cooperative ○ <i>Video: Sharing the Vision</i> ○ Discussion
Session 10: April 3 Promoting Local-level Intervention in Rural Development	<ul style="list-style-type: none"> ○ The Importance of Participation ○ NGOs' Role in Development Initiatives ○ Village Group Formation and Maintenance 	<ul style="list-style-type: none"> ○ <i>Video: Participatory Forestry</i> ○ Discussion
Session 11 April 10 Sustainability: Poverty, Land Degradation and Rural Development—The Tragedy of the Commons	<ul style="list-style-type: none"> ○ The Concept of the Commons ○ The Dynamics of the Commons ○ Land Degradation and Desertification ○ Water Mining 	<ul style="list-style-type: none"> ○ Discussion of new factors in agricultural and rural development
Session 12: April 17 Rural Development and the Environment: People and Parks	<ul style="list-style-type: none"> ○ Why Land Set-Asides Are Necessary ○ People, Agriculture and National Parks (Azerbaijan) 	<ul style="list-style-type: none"> ○ <i>Video: A Kalihari Family</i> ○ Discussion
Session 13: April 24 Monitoring Rural Development	<ul style="list-style-type: none"> ○ Monitoring Local-level Projects ○ Summary and Overview 	<ul style="list-style-type: none"> ○ Assessing Regional-level Change ○ Course Evaluation
Take Home Final Exam due in Hurst 214, Monday, May 8		

Session 1:

Introduction: Rural Development

Course organization and administrative matters. What are rural development, human development, social development, regional development, etc. Why rural development is still important today. How to categorize the world so that the similarities and differences of each case are more easily understood

Session 2:

Classic Theories of Rural Development and the Organization of Agrarian Regions

Population, agricultural technology, and environment: the thinking of Malthus, Boserup and Lester Brown. . . Understanding agrarian regions: central-place theory . . . Using central-place theory

Session 3

Agricultural Development: The US and Global Experience

Agricultural history of the US—from mixed production on small farms to monocropping on large estates. . . How agricultural change impacted different segments of the agricultural population, and discrimination in the agricultural sector . . . Recent changes in agricultural production – vertical integration and its consequences . . . The social organization of American agricultural regions. . . Globalization in historical perspective; globalization today

Session 4:

Classic Theories for Planning Change in Agrarian Regions

Other perspectives on the organization of agrarian regions . . . The social and political dimensions of rural development . . . Community Development. . . Regional Development . . . Integrated Rural Development. . . Using theories of agrarian organization to monitor projects

Session 5

Plantations and Large-scale Agriculture

Plantations and the global economy in the past: the dual economy . . . Dynamizing rural development through growth pole investment: prospects and probabilities. . . The social organization of plantations . . . Rural planning. . . Large-scale export agriculture today: Meeting international standards. . . Land tenure implications of plantation agriculture . . . Video: *Joe Leahy's Neighbors* discussion on land tenure

Session 6:

The Green Revolution, Hybrids, and GMOs, the CGIARs

Issues of food security . . . The Green Revolution . . . Environmental and social consequences of the Green Revolution . . . The constraints of traditional agriculture . . . The implications of hybrids and GMOs. . . the CGIARs: Agricultural research and outreach today . . . Video: *Seeds of Plenty, Seeds of Sorrow*

Session 7:

Large –scale Water Projects.

Large-scale water projects: the promises and the realities . . .Environmental consequences . . . Success with large-scale projects . . . The model for large and small-scale projects . . .Video: *Large Dams and Small People: Management of an African River* . . . Discussion on regional project interventions

MARCH 13 NO CLASS: SPRING BREAK

Session 8:

Small-scale Irrigation and Other Local Interventions

The assumptions of small-scale projects . . .Planning small-scale projects. . . Video: *The Goddess and the Computer*; discussion

Session 9:

Servicing Agriculture -- Input Supply, Technical Assistance, and Marketing; Cooperatives and Collective Action

Agricultural credit and loans: Systems for large-hold-farmers and for small-hold farmers . . . Agricultural inputs (seeds, chemicals) . . . Agricultural extension programs: Training and Visit (T&V) versus Communication for Technology Transfer in Agriculture (CTTA) . . . Agricultural marketing. . . Private sector responses to agricultural needs. . . The logic and history of cooperatives. . . How to form a cooperative. . .How to sustain cooperative action . . .Examples of cooperative action . . . NGOs and CBOs. . . Video: *Sharing the Vision*; discussion

Session 10:

Promoting Local Level Interventions in Rural Development

The importance of local participation and local ownership . . . NGOs and their role in rural development . . . Group formation, group planning, and group action at the village level: Exercises and approaches . . . Video: *Participatory Forestry*; discussion

Session 11:**Sustainability and Rural Development**

The concept of the commons and how resource use of the commons changes in response to economic factors. . . . The perverse notion of the commons as an economic 'externality.' . . . Examples of the tragedy of the commons, with particular attention to water mining, land degradation and forestry

Session 12:**Rural Development and the Environment**

Planning national parks and their social consequences . . . Involving people in park planning and management. . . Video: *A Kalihari Family*; discussion on local participation in donor projects for park development

Session 13:**Monitoring Rural Development, and New Factors in Agrarian Planning**

Monitoring local-level projects . . . Participatory monitoring . . . Monitoring regional projects . . . New Factors in Rural Development (and Monitoring) Today: Labor migration. . . Feminization of agriculture . . . Decentralization . . . Health issues . . . HIV/AIDS and rural development

Course Overview and Conclusions**Course Evaluation**

ASSIGNED READINGS

RURAL DEVELOPMENT SIS 635 SPRING 2006

1. **INTRODUCTION: RURAL DEVELOPMENT –
WHAT IT IS AND WHY IT IS IMPORTANT TODAY**

A. HOW AGRARIAN REGIONS ARE STRUCTURED AND HOW THEY FUNCTION OVER TIME

2. **CLASSIC THEORIES OF RURAL DEVELOPMENT:
POPULATION, TECHNOLOGY, AND FOOD SUPPLY; REGIONAL DEVELOPMENT**

ASSIGNMENT:

Boserup, Ester

1965 Conditions of Agricultural Growth: The Economics of Agrarian Change under Population Pressure. Chicago: Aldine Publishing Company. **At least** Pp. 15 - 53.

Brown, Lester R., Janet Larsen and Bernie Fischlowitz-Roberts

2002 The Earth Policy Reader. New York: Norton. Pp. 87-90 (Eco-Economy Indicators, Population Growing by 80 Million); 174-184, 190-194

McCalla, Alex F.

1998 Agriculture and Food Needs to 2025 In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp. 39-54.

Staatz, John M. and Carl K. Eicher.

"Agricultural Development Ideas in Historical Perspective." In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp. 8 -38.

SUGGESTED READINGS:

Mellor, John W.

1998 "Agriculture on the Road to Industrialization." In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp.136-154.

North, Douglass C.

1998 "Economic Performance through Time." In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp. 78-89.

Timmer, Peter

1998 "The Agricultural Transformation." In Carl K. Eicher and John M. Staatz (eds.), *International Agricultural Development* (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp.113-135.

**3. AMERICAN AGRARIAN HISTORY: INDUSTRIALIZATION OF AGRICULTURE;
GLOBALIZATION**

ASSIGNMENT:

Bonnen. James

1988 "Agricultural Development: Transforming Human Capital, Technology and Institutions." In Carl K. Eicher and John M. Staatz (eds.), *International Agricultural Development* (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp. 271-286.

Goldschmidt, Walter

1978 (1947) As You Sow: Three Studies in the Social Consequences of Agribusiness. Montclair, NJ: Allanheld, Osmun & Co
Part II: Agribusiness and the Rural Community, (Pp. 279-423). [Note: The page numbers depend upon the edition. The assignment is to read the comparative study of the two rural communities, Arvin and Dinuba.]

Schlosser, Eric

2002 Fast Food Nation. New York: Harper Collins (Perrenial)

4. THEORETICAL BASES FOR PLANNING CHANGE IN AGRARIAN REGIONS

ASSIGNMENT:

Smith, Carol A.

1976 "Regional Economic Systems: Linking Geographical Models and Socioeconomic Problems." In C. A. Smith (ed.), *Regional Analysis: Economic Systems* (Vol. 1). New York: Academic Press, pp. 3-63.

Binswanger, Hans P.

1998 "Agricultural and Rural Development: Painful Lessons." In Carl K. Eicher and John M. Staatz (eds.), *International Agricultural Development* (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp. 287-299.

Eicher, Carl K. and John M. Staatz

1998 "Introduction: Agricultural Transformation and Rural Economic Development." In Carl K. Eicher and John M. Staatz (eds.), *International Agricultural Development* (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp. 259-270

SUGGESTED READING:

Marshall, John U.

1969 The Location of Service Towns. Toronto: University of Toronto Press.

B. FOMENTING RURAL DEVELOPMENT

5. PLANTATIONS AND LARGE-SCALE AGRICULTURE

ASSIGNMENT:

Binswanger, Hans P. and Miranda Elgin

1998 "Reflections on Land Reform and Farm Size." In Carl K. Eicher and John M. Staatz (eds.), *International Agricultural Development* (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 316-328.

Hayami, Yujiro

1998 "The Peasant in Economic Modernization. ." In Carl K. Eicher and John M. Staatz (eds.), *International Agricultural Development* (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 300-315

SUGGESTED READING:

Tiffin, Mary and Michael Mortimore

1992 Theory and Practice in Plantation Agriculture. Boulder, CO: Westview Press.

6. THE GREEN REVOLUTION: MODERNIZING FOOD GRAIN PRODUCTION

ASSIGNMENT:

Timmer, C. Peter

1998 "Choice of Technique in Rice Milling on Java." ." In Carl K. Eicher and John M. Staatz (eds.), *International Agricultural Development* (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 494-504.

Collier, William L. et al

1998 "A Comment." In Carl K. Eicher and John M. Staatz (eds.), *International Agricultural Development* (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 505-511.

Everson, R.E.

2003 "Assessing the Impact of the Green Revolution, 1960-2000." Science 30:5620.

Morris, Michael and Derek Byerlee

1998 "Maintaining Productivity Gains in Post-Green Revolution Asian Agriculture. ." In Carl K. Eicher and John M. Staatz (eds.), *International Agricultural Development* (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 458-473.

Pingali, Prabhu L.

1998 "Confronting the Ecological Econsequences of the Rice Green Revolution in Tropical Asia." ." In Carl K. Eicher and John M. Staatz (eds.), *International Agricultural Development* (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 474-493.

Ruttan, Vernon W.

1998 "Constraints on the Design of Sustainable Systems of Agricultural Production." .” In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 431-443.

7. LARGE-SCALE WATER DEVELOPMENT

ASSIGNMENT:

Scudder, Thayer

1991 "A Sociological Framework for the Analysis of New Land Settlements." In Michael Cernea (ed.), Putting People First: Sociological Variables in Rural Development. New York: Oxford University Press, pp.148-187

Cernea, Michael

1991 Involuntary Resettlement: Social Research, Policy and Planning. In Michael Cernea (ed.), Putting People First: Sociological Variables in Rural Development. New York: Oxford University Press, pp.188-215.

World Commission on Dams

2000 Dams and Development. London: Earthscan. Pp xxvii-xxxvii (Executive Summary), 1-71 (Chapters 1 and 2)

8. SMALL-SCALE IRRIGATION AND OTHER LOCAL INTERVENTIONS

ASSIGNMENT:

Diemer, Geert and Frans P. Huibers

1996 "Introduction." In Geert Diemer and Frans P. Huibers, Crops, People and Irrigation. London: Intermediate Technology Publications. P. 1-10.

Horst, Lucas

1996 "Intervention in irrigation water division in Bali, Indonesia." .” In Geert Diemer and Frans P. Huibers, Crops, People and Irrigation. London: Intermediate Technology Publications. Pp. 34-52.

Eilander, Timen

1996 "Rehabilitation of a farmer-managed system in Izucar de Matamoros (east bank). ." In Geert Diemer and Frans P. Huibers, Crops, People and Irrigation. London: Intermediate Technology Publications. Pp. 90-100.

Dia, Ibrahima et al.

1996 "Designing for farmer management in the Senegal river valley." .” In Geert Diemer and Frans P. Huibers, Crops, People and Irrigation. London: Intermediate Technology Publications. Pp. 128-149.

9. **SERVICING AGRICULTURE: INPUTS TECHNICAL ASSISTANCE, AND EXTENSION;
COOPERATIVES**

ASSIGNMENT:

Antholt, Charles H.

1998 "Agricultural Extension in the Twenty-first Century. ." In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 354-369.

Besley, Timothy J.

1998 "How Do Market Failures Justify Interventions in Rural Credit Markets?" In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 370-389.

Robinson, Marguerite

1998 "Microfinance: The Paradigm Shift from Credit Delivery to Sustainable Financial Intermediation." In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 390-415.

Liedholm, Carl

1998 "Micro and Small Enterprises and the Rural Poor." In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition), Baltimore: The Johns Hopkins University Press, 1998. pp. 416-430.

10. **PROMOTING LOCAL LEVEL INTERVENTIONS IN RURAL DEVELOPMENT**

ASSIGNMENT:

Chambers, Robert

1991 "Shortcut and Participatory Methods for Gaining Social Information for Projects." In Michael M. Cernea. Putting People First: Sociological Variables in Rural Development (Second edition). NY: Oxford University Press. **PP. 515 - 537**

C. PROBLEMS AND PROSPECTS FOR THE FUTURE

11. **SUSTAINABILITY IN RURAL DEVELOPMENT: POVERTY, LAND DEGRADATION AND DEVELOPMENT**

ASSIGNMENT:

Brown, Lester R., Janet Larsen and Bernie Fischlowitz-Roberts

2002 The Earth Policy Reader. New York: Norton. Pp. 7-137.

Reardon, Thomas

1996 1998 "African Agriculture: Productivity and Sustainability Issues." ." In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp. 444-457.

12. RURAL DEVELOPMENT AND THE ENVIRONMENT: PEOPLE AND PARKS

ASSIGNMENT:

McCay, Bonnie J. and James Acheson

"Human Ecology of the Commons." In Bonnie J. McCay and James Acheson, eds. The Question of the commons: The Culture and Ecology of Communal Resources. Tucson: University of Arizona Press., Pp. 1-34.

13. MONITORING RURAL DEVELOPMENT PLANNING: NEW FACTORS

ASSIGNMENT:

Appleby, Gordon

1985 "Marketplace Development in the Gambia River Basin. In Stuart Plattner (ed). Markets and Marketing: Monographs in Economic Anthropology, No. 4. Lanham, MD : University Press of America , pp. 79-97.

Appleby, Gordon

1993 "Using Urban Commercial Counts and Marketplace Censuses to Appraise Agricultural Development Projects." In Krishna Kumar (ed.), Rapid Rural Appraisal. Washington, DC: The World Bank, pp. 157-175l

Buvinic, Myra

1997 "Projects for Women: Explaining their Misbehavior." In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp. 339-353

SUGGESTED READING:

Gittinger, J. Price

1992 Economic Analysis of Agricultural Projects. Baltimore: Johns Hopkins Press, Pp. 1-40.

14. CONCLUSIONS

ASSIGNMENT:

Mellor, John W.

1998 "Foreign Aid and Agriculture-led Development." In Carl K. Eicher and John M. Staatz (eds.), International Agricultural Development (Third Edition). Baltimore: The Johns Hopkins University Press, 1998. pp. 55-66.