AFRICAN ECONOMIC RESEARCH CONSORTIUM (AERC)

COLLABORATIVE MASTERS DEGREE PROGRAMME (CMAP) IN ECONOMICS FOR SUB-SAHARAN AFRICA (EXCEPT NIGERIA)

JOINT FACILITY FOR ELECTIVES (JFE)



AGRICULTURAL ECONOMICS COURSE OUTLINE

(Revised: September, 2014)

INTRODUCTION

This course is about agricultural development. The objectives of the course are:

- a. to equip students with the fundamental principles of Economics as applied to agriculture in the African perspective;
- b. to provide students with knowledge about the role and contribution of agriculture to the overall national, regional, and global economic development;
- c. to equip students with the required theoretical tools of economic analysis relevant to the problems of agriculture, particularly in developing countries;
- d. to expose students to the empirical techniques of testing theoretical propositions pertaining to behavior in agriculture;
- e. to familiarize students with current agricultural policy debates and link policy research, policy making and implementation.

To achieve the above objectives, in a relevant fashion, the course shall, whenever possible, focus on sub-Saharan African examples, case studies and empirical results. As such, the overall purpose of the course is to impress on students that there are no simple answers to the intractable problems facing sub-Saharan Africa in the process of development.

ORGANIZATION OF THE COURSE

The course is organized in two broad parts with a common introduction. The introduction to the course is meant to impress on the students the unity of the course by motivating the various topics to be dealt with in an integrated fashion. Part I of the course is designed to deal with "positive" economic questions (including empirical results). The unifying theme of this part is the behavior of economic agents in agriculture. Part II is generally related to agricultural policy issues.

PREREQUISITES

The student is expected to have completed the core courses in micro and macro economics, and quantitative methods including basic statistics, econometrics and mathematical economics.

MODE OF ASSESSMENT

Course assessment will be in two parts: continuous assessment which carries 40% and final examination which carries 60%. Continuous assessment may take the form of tests, assignments, term papers and class presentations.

SUMMARY OF COURSE OUTLINE

SEMESTER I (PART I): THEORETICAL AND EMPIRICAL ISSUES

1 INTRODUCTION (Week 1)

- 1.1 The Subject Matter of Agricultural Economics
- 1.2 The nature of agricultural systems
- 1.3 Agriculture in Economic Development
- 1.3.1. Contribution of Agriculture to Poverty Reduction and Economic Development
- 1.3.2. Changing perspective in Agricultural Development (Shifting Paradigms)

2 AGRICULTURAL PRODUCTION THEORY (WEEKS 2 - 3)

- 2. 1 Economics of Agricultural Production
- 2.1.1 Overview of production functions
- 2.1.2. The Profit Maximization (and its duality -cost minimization)
- 2.1.3 Efficiency in Resource Use
- 2.2 Behavior under Risk and Uncertainty

3 SUPPLY RESPONSE (Week 4)

- 3.1 Output supply functions
- 3.2 Estimation Methods and Empirical Applications

4 AGRICULTURAL HOUSEHOLD MODELS (WEEK 5)

- 4.1 Nature of farm household decision making
- 4.2 Types of the Models
- 4.3 Empirical Applications and case studies

5 SCIENCE AND TECHNOLOGY POLICY IN AGRICULTURE (WEEK 6)

- 5.1 Technological Change in Agriculture
- 5.2 Technology Transfer and intellectual Property rights
- 5.3 Investment in agricultural science and technology development in Africa

SEMESTER II (PART II): AGRICULTURAL POLICY ANALYSIS

PART II: AGRICULTURAL POLICY ANALYSIS (Weeks 7-12)

- 6 AGRICULTURE AND POLICY (WEEK 7)
- **6.1** Rationale and objectives of Agricultural Policies
- 6.2 Policy making processes
- 6.3 Stakeholders in policy making

7 APPROACHES TO POLICY ANALYSIS (WEEKS 7-8)

- 7.1 Partial Equilibrium Analysis
- 7.2 Sectoral Analysis
- 7.3 Elements of General Equilibrium Models

8 POLICY REFORMS AFFECTING AGRICULTURE (Week 9)

8.1 Origins, contents and impacts of policy reforms in Africa (Structural Adjustment Programs, MDGs, NEPAD, Country Vision Documents)

9 FOOD POLICY ANALYSIS (WEEK 10)

- 9.1 Food and nutrition Security
- 9.2. Food Policies: Scope and Instruments
- 9.3 Food Pricing, Marketing and Trade

10 ROLE OF INFRASTRUCTURE AND RURAL INSTITUTIONS (WEEK 11)

- 10.1 Rural Infrastructure
- 10.2 Land Markets and Tenure

11 AGRICULTURAL COMMODITY TRADE (Week 12)

- 11.1 Nature of agricultural commodities traded
- 11.2 Trade issues under regional and interregional agreements
- 11.3 Trade issues under WTO (Bilateral and multilateral)

ABBREVIATED REFERENCES

In citing references the following abbreviations shall be used:

AJAE: American Journal of Agricultural Economics.

- CFW (1992): Corbo, V., Fischer, S., and S. Webb, (eds.), (1992), Adjustment Lending Revisited: Policies to Restore Growth; World Bank, Washington D.C.
- DFGW (1993): Demery, L., Ferroni, M., Grootaert, C., and J. Wong-Valle, (eds.), (1993), Understanding the Social Effects of Policy Reform; W orld Bank, Washington D.C.
- HBS (1993): Hoff, K., Braverman, A., and J. E. Stiglitz, (eds.), (1993), The Economics of Rural Organization: Theory, Practice and Policy; Oxford University Press (for the World Bank), Oxford.
- NS (1987): Newbery, D., and N. Stern, (eds.), (1987), The Theory of Taxation for Developing Countries; Oxford University Press (for the World Bank), Oxford.
- PST (1992): Peters, G.H., Stanton, B.F., and G. Tyler, (eds.), (1992), Sustainable Agricultural Development: The Role of International Cooperation; Dartmouth Publishing Company Limited, Aldershot.
- SLW (1992): Stewart, F., Lall, S., and S. Wangwe, (eds.), (1992), Alternative Development Strategies in Sub-Saharan Africa; MacMillan, London.
- SSS (1986): Singh, I., Squire, L., and J. Strauss, (eds.), (1986), Agricultural Household Models: Extensions, Applications and Policy; Johns Hopkins University Press (for the World Bank), Baltimore.

WBER : World Bank Economic Review.WBRO : World Bank Research Observer.

WPS : Working Paper Series, World Bank.

PART I: THEORETICAL AND EMPRIRICAL ISSUES (Weeks 1-6 inclusive)

1. INTRODUCTION (Week 1)

1.1 The Subject Matter of Agricultural Economics

Main Reading

Timmer, C.P. (1988). "The Agricultural Transformation". In Chenery, H.B. and Srinivasan, T.N. (Eds.). Handbook of Development Economics. Elsevier Science Publishers.

1.2 The nature of agricultural systems

- Characteristics and the unique feature of agricultural production
- Crop farming and livestock production systems

Main Readings

- Doll, P.D. and Orazem, F. (1984), Production Economics: Theory and Applications, 2nd Edition. John and Wiley Sons.
- Breimyer, H.F., (1991), "Scientific principles and practice in agricultural economics: a historical review"; AJAE, vol.73, no.2.
- Just, R., and G. Rausser, (1989), "An assessment of the agricultural economics profession"; AJAE, vol.71, no.5.
- Burger K., de Groot M., Post J. and V. Zacharides, 1991, Agricultural Economics and Policy: International Challenges for the Nineties, Elsevier Ltd.

Supplementary Readings

liyama, M., Kaitibie, S., Kariuki, P. and Morimoto, Y. (2007). The status of crop-livestock

systems and evolution toward integration. Annals of Arid Zone, 46(3&4):1-23.

Cramer G.L., and C. L. Jensen, 1994, Agricultural Economics and Agribusiness, John Wiley and Sons.

1.3 Agriculture in Economic Development

1.3.1. Contribution of Agriculture to Poverty Reduction and Economic Development

- Product Contribution (food and raw material)
- Capital Contribution (inter-sectoral flows)
- Labor Contribution (structural transformation of agricultural sector)
- Market Contribution
- Foreign Exchange Contribution

1.3.2. Changing perspective in Agricultural Development (Shifting Paradigms)

- Modernization and Growth (the 1950s and 1960s).
- The Basic Needs Approach (the 1970s)
- Economic Liberalization (the 1980s to date)
- Poverty Reduction Strategy Papers.
- Agriculture for development (a new paradigm?)

Main Readings

World Bank (2009): World Development Report 2008. World Bank, Washington DC.

Delgado, C.L., (1998), "Africa's Changing Agricultural Development Strategies: Past and Present Paradigm as a Guide to the Future". http://www.fao.org/fileadmin/user_upload/Europe/documents/Publications/Abandoned_en.pdf

Ghatak, S., and K. Ingersent, 1996, Agriculture in Economic Development, Cambridge University Press. Chapters 2,3 and 5.

Eicher, C.K. and Staatz, J.M. (Eds.) (1990), Agricultural Development in the Third World. The Johns Hopkins University Press. Chapters 1, 2, and 3. 2nd edition.

World Bank (1989). Sub-Saharan Africa. From Crisis to Sustainable Growth. A long-Term perspective Study. The World Bank. Washington D.C.

Eicher, C., (1992), "African agricultural development strategies"; in SLW (1992).

John W. Mellor, 1966, The Economics of Agricultural Development, Cornell University Press.

Fields, G.S., (1988), "Labor market modeling and the urban informal sector: theory and evidence"; paper presented at the seminar on 'The Informal Sector Revisited' held at the Development Centre of OECD, Paris.

Harris, R., and M. P. Todaro, (1970), "Migration, unemployment and development: a two sector analysis"; American Economic Review, vol. 66.

Todaro, M. P., (1969), "A model of labor migration and urban unemployment in less developed countries"; American Economic Review, vol. 59.

Yap, L., (1977), "The attraction of cities: a review of migration literature"; Journal of Development Economics, vol. 4, no. 3.

Bigstein, A (1996). "The circular migration of smallholders in Kenya". Journal of African economies.

Jammal, V., 1995, Structural Adjustment and Rural Labour Markets, ILO, St Martins Press.

Supplementary Readings

FAO (2006). The Role of Agriculture and Rural Development in Revitalizing Abandoned/Depopulated Areas. Food and Agriculture Organization of the United Nations

June

2006,

http://www.fao.org/fileadmin/user_upload/Europe/documents/Publications/Abandoned_en.pdf

Reynolds, L.G., (1975), "Agriculture in development theory: an overview"; in Reynolds, L.G., (ed.),

(1975), Agriculture in Development Theory, Yale University Press, New Haven.

Hoff, K., Braverman, A., and J. Stiglitz, (1993), "Introduction"; in HBS (1993).

Beckerman, W., (1992), "Economic growth and the environment: whose growth? and whose environment?"; WD, vol. 20, no. 4.

World Bank, 2000, "Can Africa Claim the 21st Century", Chapter six, Spurring Agricultural and Rural Development., Washington DC.

Batie, S. S., (1992), "Sustainable development: concepts and strategies"; in PST (1992).

Cleaver, K. M., (1993), A Strategy to Develop Agriculture in Sub-Saharan Africa and a Focus for the World Bank; World Bank Technical Paper no. 203.

John Levy and Michael Havinden, 1982, The Economics of African Agriculture, Longmans Group Ltd., UK.

World Bank, 1997, Rural Development, From Vision to Action. A Sector Strategy Paper. Washington D.C.

Tsu-tan Fu and Shun-yi Shei, 1999, "Agriculture as the Foundation of Development: The Taiwanese Story". In Erik Thorbecke and Henry Wan (eds), Taiwan's Development Experience: Lessons on Roles of Government and Market.

Montgomery, M., (1993), "Migration responses to adjustment"; in DFGW (1993).

Rosenzweig, M. R., (1988), "Labor markets in low income countries"; in CS (1988).

Todaro, M. P., (1976), Internal Migration in Developing Countries: A Review of Theory, Evidence, Methodology and Research Priorities; ILO, Geneva.

2. AGRICULTURAL PRODUCTION THEORY (WEEKS 2 - 3)

2. 1 Economics of Agricultural Production

- 2.1.1 Overview of production functions
- 2.1.2. The Profit Maximization (and its duality -cost minimization)
 - Review of Neoclassical economic theory of farm production
 - Application and empirical evidences
- 2.1.3 Efficiency in Resource Use

Recommended software

Frontier 4.1 and Shazam for efficiency analysis.

Main Readings

Debertin, D, 1987, Agricultural Production Economics, Macmillan.

Ellis, F., (1993), Peasant Economics: Farm Households and Agrarian Development; 2nd Edition Cambridge University Press, Cambridge.

Doll, P.D. and Orazem, F. (1984), Production Economics: Theory and Applications, 2ND Edition. John and Wiley Sons.

Binswanger, H., and Rozenzweig, M., (1986), "Behavioral and material determinants of production relations in agriculture"; Journal of Development Studies, vol.22, no.3.

Sadoulet, S., and de Janvry, 1995, Quantitative Development Policy Analysis. The Johns Hopkins University Press.

AERC Materials on agricultural production and efficiency in African countries.

Coelli, T. D.L. Prasada Rao and G.E. Battese (1998). An Introduction to Efficiency and Productivity Analysis. Kluwer Academic Publishers, Boston.

Supplementary Readings

Battese, G. E., Rao, D. S. P. and O'Donnell, C. (2004), 'A metafrontier production function for estimation of technical efficiencies and technology gaps for firms operating under different technologies', *Journal of Productivity Analysis*, **21**(1):91-103.

- Coelli, T., Rao, D. S. P. and Battese, G. E. (2005), *An Introduction to Efficiency and Productivity Analysis*, second edition, Kluwer Academic Publishers, Boston.
- Coelli, T. J. (1996b), 'A Guide to FRONTIER version 4.1c: A computer program for stochastic frontier production and cost function estimation', *Working paper No. 7/97*, Centre for Efficiency and Productivity Analysis (CEPA), School of Economics, University of New England, Armidale.
- O'Donnell, C. J., Rao, D. S. P. and Battese, G. E. (2008), 'Metafrontier frameworks for the study of firm-level efficiencies and technology ratios', *Empirical Economics*, **34**(2):231-255.
- Upton, M., (1976), Agricultural Production Economics and Resource Use; Oxford University Press, Oxford.
- Schultz, T. W., (1964), Transforming Traditional Agriculture; Yale University Press, New Haven.
- Nerlove, M., (1988), Modernizing Traditional Agriculture; occasional paper no.16; International Centre for Economic Growth.
- Beattie, B. R., and C.Rr. Taylor, 1985, The Economics of Production, New York, John Wiley, Reprint: 1993.
- Chambers, R.G., 1988, Applied Production Analysis, Cambridge University Press.
- Stevens, R., and C. Jabara, (1988), Agricultural Development Principles: Economic Theory and Empirical Evidence; Johns Hopkins University Press, Baltimore.
- Yotopoulos, P., and J. Nugent, (1976), Economic of Development: Empirical Investigations; Harper & Row Publishers, New York.
- Helleiner, G.K., (1975), "Smallholder decision-making: tropical African evidence"; in L. Reynolds, (ed.), (1975), Agriculture in Development Theory; Yale University Press, New Haven.

2.2 Behavior under Risk and Uncertainty

- Concepts of risk and uncertainty
- Sources of risk and uncertainty in agriculture
- Risk analysis and risk management (including aspects of insurance and other coping strategies)
- Empirical evidence and case studies

Main Reading Materials

Anderson J.R., J.L. Dillon and B. Hardaker (xxxx). Agricultural Decision Analysis.

Bardhan and Udry, (1999), Development Microeconomics.

Udry, C. (1994), "Risk and Insurance in a Rural Credit Market: An Empirical Investigation in Northern Nigeria", Review of Economic Studies, Vol. 61, N° 3, pp 495-526.

Recent text on Information asymmetry (to be clarified later)

Ellis, F., (1993), Peasant Economics: Farm Households and Agrarian Development; 2nd Edition Cambridge University Press, Cambridge.

Barry, P.J. (Ed), (1984). Risk management in Agriculture. Iowa state University Press, Ames, Iowa. Chapters 1, 2, and 5

Supplementary Reading Materials

Finkelshtain, I., and J. Chalfant, (1991), "Marketed surplus under risk: do peasants agree with Sandmo?"; AJAE, vol.73, no.3.

Sadoulet, S., and de Janvry, 1995, Quantitative Development Policy Analysis. The Johns Hopkins University Press.

3. SUPPLY RESPONSE (Week 4)

3.1 Output supply functions

Theoretical foundations of supply

- Characteristics of agricultural supply and Cobweb model
- Short-run versus Long-run
- Individual versus aggregate
- Application and case studies

- Sadoulet, S. and de Janvry (1995). Quantitative Development Policy Analysis. The John Hopkins University Press. Chapter 3
- FAO Training Materials for Agricultural Planning No. 31 (1991) Agricultural price policy: Government and the market.
- Ghatak, S., and K. Ingersent, 1996, Agriculture in Economic Development, Cambridge University Press. Chapters 7.

Supplementary Readings

- Nicholson, W. (1995). Microeconomic Theory. Basic Principles and Extension. 6th Edition. Chapters 11, 12 and 13
- Nicholson, W. and C. Snyder (2008). Microeconomic Theory. Basic Principles and Extension, 9th Edition, Thomson Southwestern.

Any other intermediate microeconomics text book

3.2 Estimation Methods and Empirical Applications

- Direct methods
- Time- lagged supply response models
- Individual versus aggregate supply response
- Empirical applications

Main Readings

- Sadoulet, S. and de Janvry (1995). Quantitative Development Policy Analysis. The John Hopkins University Press. Chapter 3
- Binswanger, H., (1989), "The policy response of agriculture". Proceedings of the World Bank Annual Conference on Development Economics 1989; WBER/WBRO.
- Bond, M. E., (1983), "Agricultural responses to prices in sub-Saharan Africa"; IMF Staff Papers, vol. 30, no. 4.
- Chhibber, A., (1988), "The aggregate supply response in agriculture: a survey"; in S. Commander, (ed.), Structural Adjustment in Agriculture: Theory and Practice; James Curry Publishers, London.
- Behrma, J., 1968, Supply Response in Underdeveloped Agriculture. North-Holland, Amsterdam.
- Osita, and Gbetibouo, (1990), "Agricultural supply response in sub-Saharan Africa: a critical review of literature"; Africa Development Review, vol.2, no.2.

- Townsend R.F., 1999, "Agricultural Incentives in Sub-Saharan Africa: Policy Challenges". World Bank, Staff Technical Paper 444, Washington DC.
- Hermann, R., 1997, "Agricultural Policies and Producer Price Incentives in Developing Countries: Cross-Country Results for Major Crops", Journal of Developing Areas, 31, 203-220.
- Elamin, H., and E. Mak, 1997, "Adjustment Programs and Agricultural Incentives in Sudan: A Comparative Study". Research Paper Sixty-Three, African Economic Research Consortium, Nairobi, Kenya.
- Schiff, M., and C. Montenegro, 1997, "Aggregate Supply Response in Developing Countries: A Survey of Selected Issues". Economic Development and Cultural Change 45: 393-410.
- Oyejide, T.A., (1990), Supply Response in the Context of Structural Adjustment in Sub-Saharan Africa; AERC, special paper 1.

- Elbadawi, I., (1994), "The structure of incentives, the external environment and agricultural supply response in SSA"; mimeographed.
- Askari, H., and J. Cummings, (1976), Agricultural Supply Response; Praeger, New York.
- Bevan, D., Bigsten, A., Collier, P., and J. Gunning, (1987), "Peasant supply response in rationed economies"; World Development, vol.15, no.4.
- Bevan, D., Collier, P., and J. W. Gunning, (1989), Peasants and Governments: An Economic Analysis; Clarendon Press, Oxford.
- Hattink, W., N. Hwerink and G. Thijssen (1998). The Supply Response of Cocoa in Ghana: A farm Level Profit Function Analysis. Journal of African Economies 7(3): 424-444.

4. AGRICULTURAL HOUSEHOLD MODELS (WEEK)

4.1 Nature of farm household decision making

- Production decisions
- Consumption decisions
- Labour allocation decisions
- Separability and non-separability of decisions

4.2 Types of the Models

- Recursive and non-recursive models
- Unitary versus collective models
- Intra-household models and gender issues
- Risk analysis (transaction cost)

4.3 Empirical Applications and case studies

- Methods of estimation
- Examples of empirical application in developing countries

Main Readings

Deaton A. and Muellbauer, (1986) Economics and Consumer Behavior. Cambridge University Press

Sadoulet, S., and de Janvry, 1995, Quantitative Development Policy Analysis. The Johns Hopkins University Press.

Cailleret F., Guyomard H. and R. Lifran, 1994, Agricultural Household Modeling and Family Economics, Elsevier

Ellis, F., (1993), Peasant Economics: Farm Households and Agrarian Development; 2nd Edition Cambridge University Press, Cambridge.

Singh, I., Squire, L., and J. Strauss, (1986-a), "Introduction"; in SSS (1986).

Singh, I., Squire, L, and J. Strauss, (1986-b), "The basic model: theory, empirical results, and policy conclusions"; chapter 1 in SSS (1986).

Singh, I., Squire, L., and J. Strauss, (1986-c), "Methodological issues"; chapter 2 in SSS (1986).

- Singh, I., Squire, L., and J. Strauss, (1986), "A survey of agricultural household models: recent findings and policy implications"; WBER, vol. 1, no.1.
- Strauss, J., (1986), "Appendix: the theory and comparative statics of agricultural household models: a general approach"; in SSS (1986).
- Deaton, A.(1997). The Analysis of Household SurveysL: A Microeconomic approach to development policy. The John Hopkins University Press
- Omamo 1998 Farm to market transaction cost and specialization in small agriculture: Exploration with a non-separable household model. Journal of Development Studies. 35(2):152-163.
- Bryant, K.W. (1990). The Economic Organization of Households. Cambridge University Press.
- Jacoby, H.G. (1993): Shadow Wages and Peasant family Labour Supply: An Econometric Application to the Peruvian Sierra. Review of Economic Studies 60:903-921. Harris, R., and M. P. Todaro, (1970), "Migration, unemployment and development: a two sector analysis"; American Economic

Review, vol.66.

Todaro, M. P., (1969), "A model of labor migration and urban unemployment in less developed countries"; American Economic Review, vol.59.

Yap, L., (1977), "The attraction of cities: a review of migration literature"; Journal of Development Economics, vol.4, no.3.

Bigstein, A (1996). "The circular migration of smallholders in Kenya". Journal of African economies.

5. SCIENCE AND TECHNOLOGY POLICY IN AGRICULTURE (WEEK 6)

5.1 Technological Change in Agriculture

- Generation and Adoption of Technology in Agriculture
- Appropriateness of technologies (eg GM technological transfer for Africa?)
- Alternative technologies: choice and transfer
- Population pressure and spontaneous agricultural intensification

Required Readings

- Lynam, J., Nienke, B. and Annor-Frempong, I. (2012). Agricultural Research and Development: Investing in Africa's future analyzing trends, challenges and opportunities. International Food Policy Research Institute (IFPRI.
- Ruttan, V.W. (1975). "Technology transfer, institutional transfer, and induced technical and Institutional change in agricultural development"; in L.Reynolds, (ed.) Agriculture in Development Theory; Yale University Press, New Haven
- Binswanger, H., and Braun, J., (1991), "Technological change and commercialization of agriculture: the effect on the poor"; WBRO, vol.6, no.1.
- Evenson, R., (1975), "Technology generation in agriculture"; in L. Reynolds, (ed.), (1975).
- Ruttan V. W., and Y Hayami, 1990, "Induced Innovation Model of Agricultural Development": In C.K, Eicher and J.M. Staatz, 1990, Agricultural Development in the Third World. Johns Hopkins University Press.
- Per Pinstrup-Andersen (1982) Agricultural research and technology in economic development. Longman, London and New York, 1982,
- Peterson, W., and Y Hayami, , "Technical Change in Agriculture". In L. Martin ed., A Survey of Agricultural Economics Literature, Vol. 1, American Agricultural Econ Association. Pp 199-221
- Peterson, W., and Y. Hayami. (1977) "Technical Change in Agriculture." In A Survey of Agricultural Economics Literature. Ed. Lee R. Martin. Minneapolis: University of Minnesota Press,
- Ghatak, S., and K. Ingersent, 1996, Agriculture in Economic Development, Cambridge University Press.

- Ahmed, I., (1992), "Will biotechnology alleviate poverty"; in PST (1992).
- Timmer, C.P. 1973, "Choice of Technology in Rice-milling in Java", In C.K, Eicher and J.M. Staatz, 1984, Agricultural Development in the Third World. Johns Hopkins University Press.
- Scobie, G. M., and P.T. Rafael, 1990, "The Impact of Technology Change on Income Distribution". In C.K, Eicher and J.M. Staatz, 1990, Agricultural Development in the Third World. Johns Hopkins University Press.
- Herdt, R. W., (1992), "Agricultural biotechnology and the poor in developing countries"; in PST (1992).
- Gnaegy, S., and J. R. Anderson, (1991), "Agricultural technology in Sub-Saharan Africa"; World Bank Discussion Paper 126, Washington, D.C.
- Ruttan, V. W., (1977). "The green revolution; seven generalisations"; International Development Review, Vol.19.
- Singer, Hans, 1977, Technology for Basic Needs, ILO, Geneva.
- Byerlee, D., and P. Gregory, 1999, "Agricultural Biotechnology and Rural Development: Options for the World Bank". Biotechnology Task Force Discussion Paper, World Bank, Washington D.C.

Simler, K., 1994, "Agricultural Policy and Technology Options in Malawi: Modelling Small-holder Responses and Outcomes". Working Paper No. 49, Cornell Food and Nutrition Policy Program, Ithaca, New York

5.2 Technology Transfer and intellectual Property rights

- Biotechnology policy
- The role of the state and private sector
- TRIPs (Trade Related Intellectual Property Rights)
- The Role of Extension in Agricultural Development

5.3 Investment in agricultural science and technology development in Africa

- Investment gaps
- Public private partnerships

Main Readings

- Omamo, S. W. and K. von Grebmer (eds.) (2004). Biotechnology, Agriculture, and Food Security in Southern Africa. IFPRI, Washington, DC.
- Gisselquist D., and J.M. Grether, 2000, "An Argument for Deregulating the Transfer of Agricultural Technology to Developing Countries". World Bank Economic Review, Vol. 14, No. 1: 111-127.
- Ruttan, V.W. (1975). "Technology transfer, institutional transfer, and induced technical and Institutional change in agricultural development"; in L.Reynolds, (ed.) Agriculture in Development Theory; Yale University Press, New Haven.
- Binswanger, H., and Braun, J., (1991), "Technological change and commercialization of agriculture: the effect on the poor"; WBRO, vol.6, no.1.
- Evenson, R., (1975), "Technology generation in agriculture"; in L. Reynolds, (ed.), (1975).
- Ruttan V. W., and Y Hayami, 1990, "Induced Innovation Model of Agricultural Development": In C.K, Eicher and J.M. Staatz, 1990, Agricultural Development in the Third World. Johns Hopkins University Press.
- Ghatak, S., and K. Ingersent, 1996, Agriculture in Economic Development, Cambridge University Press.

- Ahmed, I., (1992), "Will biotechnology alleviate poverty"; in PST (1992).
- Timmer, C.P. 1973, "Choice of Technology in Rice-milling in Java", In C.K, Eicher and J.M. Staatz, 1984, Agricultural Development in the Third World. Johns Hopkins University Press.
- Scobie, G. M., and P.T. Rafael, 1990, "The Impact of Technology Change on Income Distribution". In C.K, Eicher and J.M. Staatz, 1990, Agricultural Development in the Third World. Johns Hopkins University Press.
- Herdt, R. W., (1992), "Agricultural biotechnology and the poor in developing countries"; in PST (1992).
- Gnaegy, S., and J. R. Anderson, (1991), "Agricultural technology in Sub-Saharan Africa"; World Bank Discussion Paper 126, Washington, D.C.
- Ruttan, V. W., (1977). "The green revolution; seven generalisations"; International Development Review, Vol.19.
- Singer, Hans, 1977, Technology for Basic Needs, ILO, Geneva.
- Byerlee, D., and P. Gregory, 1999, "Agricultural Biotechnology and Rural Development: Options for the World Bank". Biotechnology Task Force Discussion Paper, World Bank, Washington D.C.
- Simler, K., 1994, "Agricultural Policy and Technology Options in Malawi: Modelling Small-holder Responses and Outcomes". Working Paper No. 49, Cornell Food and Nutrition Policy Program, Ithaca, New York.
- Das, M. D., 1995, Improving the Relevance and Effectiveness of Agricultural Extension Activities for Women Farmers: An Andre Mayer Research Study, FAO, Rome.
- Parley, P.G., J. Roseboom, and N.M., Beintema, 1997, "Investments in African Agricultural Research". World Development, 25, (3): 409-423.

- Ellis, F., (1992), Agricultural Policies in Developing Countries; Cambridge University Press, Cambridge.
- Chambers, R., and J Jiggins, 1986, Agricultural Research for Resource-Poor Farmers, University od Sussex, Institute of Development Studies, Discussion Paper No. 220.
- Saito K.A., and C. J. Weidermann, 1990, Agricultural Extension for Women Farmers in Africa, World Bank Discussion Paper No. 103.
- Schultz, T.W., 1990, "The Economics of Agricultural Research" . In C.K, Eicher and J.M. Staatz, 1990, Agricultural Development in the Third World. Johns Hopkins University Press. Chapter 23.

PART II: AGRICULTURAL POLICY ANALYSIS (Weeks 7-12)

- 6. AGRICULTURE AND POLICY (WEEK 7)
- 6.2 Rationale and objectives of Agricultural Policies
- 6.2 Policy making processes
 - Target variables
 - Policy instruments
 - Policy implementation
- 6.3 Stakeholders in policy making
 - Public sector.
 - Private sector.
 - Civil society NGOs, CBOs, etc

Main Readings

Ellis, F. (1992). Agricultural Policies in Developing Countries: Cambridge University Press. Cambridge.

Delgado, C.L., and J. Mellor, (1984), "A structural view of policy issues in African agricultural development"; AJAE, vol. 66.

Schiff, M., and Valdes, A., (1992), The Plundering of Agriculture in Developing Countries; World Bank, Washington, D.C.

Stiglitz, J., (1987), "Some theoretical aspects of agricultural policies"; WBRO.

Johnson, D.G., (1986), "Policy issues in rainfed agriculture"; paper presented at the World Bank's 6th Agricultural Symposium; Washington, D.C.

Biswanger, H.P. and K. Deininger, 1997, "Explaining Agricultural and Agrarian Policies in Developing Countries", Journal of Economic Literature, 35, 1958-2005.

- Jayne, T.S., and S. Jones, 1997, "Food Marketing and Pricing Policy in Eastern and Southern Africa: A Survey", World Development, 25(9),1505-1527.
- Maletnlema, T. N., 1990, Food Nutrition and Health in Africa: The Role of Government, PEW/CORNELL Lecture Series on Food and Nutrition Policy, CFNPP, Cornell University, October.
- Per Pinstrup-Andersen, 1989, Government Policy, Food Security and Nutrition in Sub-Saharan Africa, PEW/CORNELL Lecture Series on food and Nutrition Policy, CFNPP, Cornell University, October.
- Mellor, J.W. (1984). The Economics of Agricultural Development. Part III. Chapter 18. Cornell University Press, NewYork.
- Roger Norton (2004). Agricultural Development Policy: Concepts and Experiences. Wiley/FAO, Rome Ghatak, S.and K. Ingersent (1996). Agriculture and Economic Development. Cambridge University Press.
- Williams, T.O. (1993): Livestock pricing Policy in Sub-Saharan Africa: Objectives, Instruments and Impacts in Five Countries. Agricultural Economics (8:139-159.
- Benjamin, C., C. Gveguen and M. Hovee (2003): World Cereal markets Under Alternative Common

Agricultural Reforms. In proceedings of 25th International Conference of Agricultural Economists (IAAE)

Jaime, O. (1999): the Role of Interest groups in Agricultural Policy Design : Chile 1960-1988. Journal of International Development. 2:241-258.

7. APPROACHES TO POLICY ANALYSIS (WEEKS 7-8)

7.1 Partial Equilibrium Analysis

Main Readings:

- Tsakok, I. (1990). Agricultural Price Policy: A Practitioner's guide to partial Equilibrium Analysis. Cornell University Press: Ithaca.
- FAO Materials for Training Agricultural Planning. No. 31 (1992). Agricultural Price Policy: Government and the Market.
- FAO (1992). Economic Analysis of Agricultural Policies: A Basic Training Manual with Special Reference to Price Analysis.
- Sadoulet, S. and de Janvry (1995). Quantitative Development Policy Analysis. The John Hopkins University Press.
- Ellis, F. (1992). Agricultural Policies in Developing Countries: Cambridge University Press. Cambridge.

Supplementary Readings

- Timmer, C.P. 1986, Getting Prices Right: The Scope and Limits of Agricultural Policy. Cornell University Press.
- Nordon, R.D. (****) FAO Training materials for Agricultural Planning, Policy Analysis for Food and Agricultural Development: Basic Data Series and their use, No. 14. By.

7.2 Sectoral Analysis

- The Policy Analysis Matrix (PAM).
- Multi-market models
- Input-Output Analysis

Main Readings

Monke, E., and Pearson, S. R., (1989), The Policy Analysis Matrix for Agricultural Development; Cornell University Press, Ithaca.

Supplementary Readings

- Monke, E., and Pearson, S. R., (1992), "Evaluating policy choices in developing countries: the policy analysis matrix"; in PST (1992). (Chapters 1 &2).
- Strauss, A. (1992). "Evaluating policy choices in developing countries: the policy analysis matrix"; A Critique: in PST (1992).
- FAO Materials for Training Agricultural Planning. No. 31 (1992). Agricultural Price Policy: Government and the Market.
- Adesina, A.A and O.N. Coulibaly (1998). Policy and Competitiveness of Agroforestry Based technologies for Maize production in Cameroon: An Application of Policy Analysis Matrix. Agricultural Economics, 19:1-13.
- Monhanty, S. Fang C. and Chaudhary, J. (2003). Assessing the competitiveness of Indian Cotton Production: A Policy Analysis Approach. Journal of Cotton Science 7:65-74.

7.3 Elements of General Equilibrium Models

- Social Accounting Matrix
- General Equilibrium Models

- Sadoulet, S. and de Janvry (1995). Quantitative Development Policy Analysis. The John Hopkins University Press.
- Krueger, A., Schiff, M., and A. Valdes, (1988), "Agricultural incentives in developing countries: measuring the effect of sectoral and economy wide policies"; WBER, vol.2, no.3.
- Bevan, D., Collier, P., and J. Gunning, (1987), "Consequences of a commodity boom in a controlled economy: accumulation and redistribution in Kenya 1975-1983"; WBER, vol.1, no.3.

Supplementary Readings

- Newbery, D., (1987), "Identifying desirable directions of agricultural price reform in Korea"; in NS (1987), chapter 18.
- Bevan, D., Collier, P., and Gunning, J., (1989), "Fiscal response to a temporary trade shock: the aftermath of the Kenyan coffee boom"; WBER, vol.3, no.3.
- Chambers, R.G., 1995, "The Incidence of Agricultural Policies", Journal of Developing Areas, 57, 317-335.
- Dervis, K., J. de Melo, and S. Robinson, 1982, General Equilibrium Models for Development Policy. World Bank, Washington D.C.
- Thorbecke, Erick (2001). The social accounting matrix deterministic or stochastic process. Paper presented at the Institute of Social Studies, The Hague, Netherlands.
- Patridge, M.D. and Rickman, D.S. (1998). Regional computable general equilibrium modeling. A survey and critical appraisal. International regional Science Review. Vol 12 (3): pp 205 -248
- Dorrosh P., 1994, Agricultural and Food Policy Issues in Mozambique: A Multilevel Analysis. Working Paper No. 63, Cornell Food and Nutrition Policy Program, Ithaca, New York.
- Shoven, J.B., and J. Whalley, 1992, Applying General Equilibrium. Cambridge: Cambridge University Press.

8. POLICY REFORMS AFFECTING AGRICULTURE (Week 9)

9.1 Origins, contents and impacts of policy reforms in Africa (Structural Adjustment Programs, MDGs, NEPAD, Country Vision Documents)

Main Readings

- World Bank (2005) Growth in the 1990s: Learning from a decade of reform. http://www1.worldbank.org/prem/lessons1990s/chaps/frontmatter.pdf
- Elliot Berg (The Berg Report): Accelerated Development in Sub-Saharan Africa" reviewed by Guyer, Williams, Loxley Report Review of African Political Economy Vol. 10 No. 27/28 pp 186 204", World Bank:
- Sahn David, P. A. Dorrosh and S.D. Younger, 1997, Structural Adjustment Reconsidered, Economic Policy and Poverty in Africa, Cambridge University Press. (Chapter Five on Agriculture and Food Markets)
- Sahn David (ed), 1996, Economic Reform and the Poor in Africa, Clarendon Press, Oxford, Part IV on Agriculture, Food Policy Reforms and Welfare Outcomes.
- Helleiner, G. K., (1992), "Structural adjustment and long-term development in sub-saharan Africa"; in SLW (1992).
- Jeager, W., and C. Humpherys, (1988), "The effect of policy reforms on agricultural incentives in subsaharan Africa"; AJAE, vol.75, no.5.
- Delgado, C.L., 1998, "Africa's Changing Agricultural Development Strategies: Past and Present Paradigms as a Guide to the Future". The Brown Journal of World Affairs, 5 (1).
- Oyejide, T.A., (1993), "Effects of trade and macroeconomic policies on African agriculture"; in Bautista, R., and A. Valdes, (eds.), (1993), The Bias Against Agriculture: Trade and Macroeconomic

Policies in Developing Countries; ICS Press, San Francisco.

Dunman, A. and Howell J. (1995). Structural Adjustment and the African farmer. Overseas development Institute (ODI), London.

Jammal, V., 1995, Structural Adjustment and Rural Labor Markets, ILO, St Martins Press.

Jazairy, I., Alamgir, M., and T. Panuccio, (1992), The State of World Rural Poverty: An Inquiry into its Causes and Consequences; New York University Press (for IFAD), New York.

Ravallion, M., (1992), Poverty Comparisons: A Guide to Concepts and Methods; Living Standards Measurement Study, Working Paper no.88, World Bank, Washington D.C.

World Bank, (1990), World Development Report 1990.

World Bank, (1992), World Development Report 2000/2001.

Demery, L., (1993), "The poverty profile"; chapter 4 in DFGW (1993).

Supplementary Readings

World Bank (1989). Sub-Saharan Africa. From Crisis to Sustainable Growth. A long-Term perspective Study. The World Bank. Washington D.C.

Corbo, V., and P. Rojas, (1992), "World-Bank supported adjustment programs: country performance and effectiveness"; in CFW (1992).

Gladwin, C.H., ed, 1991, Structural Adjustment and African Women Farmers, Gainesville, University of Florida Press.

Beynon, J. G., (1989), "Pricism v. structural adjustment in African agriculture"; Journal of Agricultural Economics, vol.40, no.3.

Donovan, G., (1992), Impact of Structural Adjustment on Sub-Saharan African Agriculture: a Progress Report; Africa Technical Department, World Bank.

Commander, S., (ed.), (1989), Structural Adjustment and Agriculture Theory and Practice in Africa and Latin America; Overseas Development Institute, London.

Mosely, P., and L. Smith, (1989), "Structural adjustment and agricultural performance in sub-saharan Africa 1980-1987"; Journal of International Development, vol.1, no.3.

Webb, S., and K. Shariff, (1992), "Designing and implementing adjustment programmes"; in CFW (1992).

Newbery, D., (1987), "Agricultural taxation: the main issues"; in NS (1987).

Commonwealth Secretariat, 1991, "Women and Structural Adjustment: Selected Case Studies Commissioned for a Commonwealth Group of Experts", Commonwealth Economic Paper 22, Economic Affairs Division, London.

Due J..M., and C.H. Gladwin, 1991, "Impacts of Structural Adjustment Programs on African Women Farmers and Female-Headed Households", American Journal of Agricultural Economics, 73 (5): 1431-1439.

Afshar H. and C. Dennis., (eds), 1992, Women and Adjustment Policies in the Third World, New York, St Martins Press.

Kwanarshie, M., Abdul-Ganiyu Garba. and I. Ajilima, 1997, Policy Modelling in Agriculture: Testing the Response of Agriculture to Adjustment Policies in Nigeria. AERC Research Paper Fifty-Seven, AERC, Nairobi.

Kwanarshie, M. I. Ajilima and Abdul-Ganiyu Garba, 1998, The Nigerian Economy: Response of Agriculture to Adjustment Policies, AERC Research Paper Seventy- Eight, AERC, Nairobi.

Foster, J, Greer, J. and Thorbecke, E. (1984) A class of decomposable poverty measures. Econometrica, Vol. 52(3), pp. 761-766

Murkhejee, S. and T. Benson (2003). The Determinants of Poverty in Malawi, 1998. World Development Vol. 31, No. 2, pp. 339–358, 2003

Bresciani, F and Valdes A. (2007). Beyond food production. The role of agriculture in poverty reduction. Edgar Elgar/FAO

9. FOOD POLICY ANALYSIS (WEEK 10)

9.1 Food and nutrition Security

- Concepts, causes and measures of food and nutrition security
- Food safety and quality issues
- Policies of sub-Saharan African countries to tackle food and nutrition insecurity

9.2. Food Policies: Scope and Instruments

- Development of food policy ideas (Food self-sufficiency versus food security etc.)
- Food policy instruments
- Food aid and its impacts

Main Readings

FAO (2003), The state of food insecurity in the World, Rome

FAO Country Reports on Food and Nutrition

Organization of African Unity, 1996, African Common Position on Food Security and Agricultural Development. Adopted by the Thirty-second Ordinary Session of the Assembly of Heads of State and Government, 8-10 July, Yaounde, Cameroon.

World Bank, (1986), Poverty and Hunger: Issues and Options for Food Security in Developing Countries; World Bank, Washington.

FAO Materials for Training Agricultural Planning. No. 31 (1991). Agricultural Price Policy: Government and the Market.

Ellis, F., (1992), Agricultural Policies in Developing Countries; Cambridge University Press, Cambridge.

Srinivasan, T.N., (1989), "Food aid: a cause of development failure or an instrument for success?"; WBER, vol.3, no.1.

Gyeke, A. and Rempel, H. (1995). "Regional co-operation as a means to food security in the SADC". The Southern African Journal of Economics Vol 63 (2):272-282.

Siddig A. Salih, 1995, "Food Security in Africa", World Development Studies 3, World Institute for Development Research (WIDER), Helsinki.

Supplementary Readings

Parikh, K., (1992), "Food security: issues and options"; in PST (1992).

Mellor, J., Delgado, C., and M. Blakie, (1988), Accelerating Food Production in Sub-Saharan Africa; Johns Hopkins University Press, Baltimore.

Timmer, C.P., Falcon, W., and S.R. Pearson, (1983), Food Policy Analysis; Johns Hopkins University Press, Baltimore.

Quisumbing A., L.R. Brown, H.S. Feldstein, L. Haddad and C. Pena, 1995, "Women; The Key to Food Security", International Food Policy Research Institute, Washington D.C.

Lavy, V., (1992), "Alleviating transitory food crisis in sub-Saharan Africa: international altruism and trade"; WBER, vol.6, no.1.

Jaeger, W. K. 1992, "The Causes of Africa's Food Crisis", World Development, 20(11), 1632-1645).

Quinn V., M. Chiligo, and J. Price Gittinger, 1990, "Malnutrition, Household Income, and Food Security in Rural Malawi", Health Policy and Planning, Vol. 5, No. 2:139-148.

Sahn D., (ed). 1989, Seasonal Variability in Third World Agriculture; The Consequences for Food Security, Baltimore MD: Johns Hopkins University Press.

Alderman, H, 1992, Incomes and Food Security in Ghana, Cornell Food and Nutrition Policy Program, Working Paper 26, May.

Oldeman, L. R., 1998, Soil Degradation: A Threat to Food Security. Report 98/01, International Soil Reference and Information Centre, Wageningen, the Netherlasnds.

9.3 Food Pricing, Marketing and Trade

Demand and supply of food

- Food pricing and marketing policies
- Food imports versus local production
- Case Studies of Food Crises (especially the 2007 global food crisis)

- Ellis, F., (1992), Agricultural Policies in Developing Countries; Cambridge University Press, Cambridge.
- Tsakok, I., (1990), Agricultural Price Policy: A Practitioner's Guide to Partial Equilibrium Analysis; Cornell University Press; Ithaca.
- Timmer, C.P., 1990, "Developing a Food Strategy", In C.K, Eicher and J.M. Staatz, 1990, Agricultural Development in the Third World. Johns Hopkins University Press.
- Delgado, C., (1992), "Why domestic food prices matter to growth strategy in semi-open west African agriculture"; Journal of African Economies, vol.1, no.3.
- Timmer, C.P., Falcon, W., and Pearson, S.R. (1983). Food Policy Analysis. Johns Hopkins University Press, Baltimore.

Supplementary Readings

- Jayne, T.S., and S. Jones, 1997, "Food Marketing and Pricing Policy in Eastern and Southern Africa: A Survey", World Development, 25(9),1505-1527.
- Biswanger, H.P. and K. Deininger, 1997," Explaining Agricultural and Agrarian Policies in Developing Countries", Journal of Economic Literature, 35, 1958-2005.
- Mellor, J.W., Delgado, C.L., and Blackie, M.J. (1988). Accelerating Food Production in Sub-Saharan Africa. The Johns Hopkins University Press, Baltimore.
- Timmer, C. P., 1986, Getting Prices Right: The Scope and Limits of Agricultural Price Policy; Cornell University Press, Ithaca.
- FAO Materials For Training Agricultural Planning. No. 31 (1992). Agricultural Price Policy: Government and the Market.
- Anderson, K., 1999, Agriculture, "Developing Countries and the WTO Millennium Round" Revision of a Paper presented at the World Bank Conference on Agriculture and the New Trade Agenda from a Development Perspective, World Trade Organization, Geneva.
- Badiane O., F. Golleti, M. Kheralah, P. Berry, K. Govindan, P. Gruhn and M. Mendoza, 1997, "Agricultural Input and Output Marketing Reforms in African Countries", International Food Policy Research Institute, Washington DC.
- Proceedings of the Workshop on Agricultural Policy of African Countries and Multilateral Trade Negotiations: Challenges and Options, 23-26 November, 1998, Harare, Zimbabwe.
- Anderson, K, .B. Hockman, and A. Strutt, 1999," Agriculture and the WTO: Next Steps". Revision of a Paper presented at the Second Annual Conference on Global Economic Analysis, 20-22 June, Helnaes, Denmark.
- Masters, W.A. (2008). Beyond food crisis in Africa. African Technology Development Forum. 5(1-2): 3-13
- Lavy, V., (1992), "Alleviating transitory food crisis in sub-Saharan Africa: international altruism and trade"; WBER, vol.6, no.1.
- Jaeger, W. K. 1992, "The Causes of Africa's Food Crisis", World Development, 20(11), 1632-1645). FAO and IFPRI Publications
- Maxwell, S. and R. Slater, (eds.) 2003. 'Food policy Old and New', Development Policy Review 21: 5/6.

10. ROLE OF INFRASTRUCTURE AND RURAL INSTITUTIONS (WEEK 11) 10.1 Rural Infrastructure

- State of rural infrastructure transport, markets, finance, communications etc.
- Challenges and opportunities to rural infrastructure development in Africa

- Legal frameworks for managing rural institutions
- Case studies

- Diao, Xinshen and Peter Hazell Exploring Market Opportunities for African Smallholders. http://www.ifpri.org/sites/default/files/publications/ib22.pdf
- African Development Bank, 1999, Africa Development Report, 1999 Infrastructure Development in Africa, ADB, Abidjan.
- Ayogu, M., 1999, Addressing Infrastructure Constraints, Background Paper prepared for "Africa in the 21st Century Project", World Bank.
- Oshikoya, T.W., A. Jerome, M..N. Hussain, and K. Mlambo, 1999, Closing the Infrastructure Deficit, Background Paper prepared for "Africa in the 21st Century Project", World Bank.
- Weiss, J., 1998, Infrastructure and Economic Development, Background Paper prepared for the African Development Bank, Abidjan.
- Hoff, K., and J. Stiglitz, (1993), "Imperfect information and rural credit markets: puzzles and policy perspectives"; in HBS (1993)
- Aryeetey, A. (1992). The relationship between the formal and informal sectors of the financial markets in Ghana. AERC Research Paper No. 10.
- Aryeetey, E., 1997, Rural Finance in African: Institutional Developments and Access for the Poor. In Michael Bruno and Boris Pleskovic eds, Annual World Bank Conference on Development Economics, world Bank, Washington D.C.
- Holt S.I., and H. Ribe, 1991, "Developing Financial Institutions for the Poor and Reducing Barriers for Women", World Bank Discussion Paper 117, Washington D.C.
- Gurgand M., G. Pederson, and J. Yaron, 1994, "Outreach and Sustainability of Six Rural Finance Institutions in Sub-Saharan Africa." World Bank Discussion Paper 248, World Bank, Washington D.C.
- Morduch, J., 1999, "The Microfinance Promise", Journal of Economic Literature, 37: 1569-1614.

- FAO Training Materials for Agricultural Planning No. 31 (1992). Agricultural Price Policy: Government and the Market.
- Cleaver, K.M. (1993). A Strategy to Develop Agriculture in Sub- Saharan Africa and a Focus for the World Bank; World Bank Technical Paper No. 23.
- HBS (1993). Chapters 2 and 3
- Adams, W. (1984). Undermining Rural Development with Cheap Credit. Westview Press. ISBN:0-86531-768-2
- Pischke Von J.D., Adams, D.W. and Donald, G. (1983). Rural Financial Markets in Developing Countries: Their Use and Abuse. Johns Hopkins University Press. ISBN:0-8018-3074-5.
- Schmidt, R.H. and Kropp, E. (1987). Rural Finance: Guiding Principles. Eschborn.
- Christen, R.P., Rhyne, E. and R.C. Vogel (1994). Maximizing the Outreach of Microenterprise Finance: The Emerging Lessons of Successful Programs. USAID and Harvard Institute for International Development.
- Desai, B.M. and W. Mellor (1993)." Institutional Finance for Agricultural Development: An Analytical Survey of Critical Issues". Food Policy Review, No. 1.
- Cleaver, K.M. (1993). A Strategy to Develop Agriculture in Sub-Saharan Africa and a Focus for the World Bank; World Bank Technical Paper No. 203.
- FAO Training Materials for Agricultural Planning No. 31 (1991). Agricultural Price Policy: Government and the Market.
- Reed, L. et al., (1994). The Role of NGOS in Rural Financial Intermediation in Ghana. USAID/Ghana.

10.2 Land Markets and Tenure

- The concept of land tenure and systems
- Property rights
- Share tenancy
- Land policies
- Case studies

Main Readings

- Migot-Adholla, S., Hazel, P., Blarel, B., and F. Place, (1991), "Indigenous land rights systems in sub-Saharan Africa: a constraint on productivity?"; WBER, vol.5, no.1.
- Feder, G., and Feeny, D., (1991), "Land tenure and property rights: theory and implications for development policy"; WBER, vol.5, no.1.
- Aredo, D., 1999, "Property Rights in Land: Theory and Evidence from Ethiopia", Ethiopian Journal of Development Research.
- Skinner, J., (1991), "If agricultural taxation is so efficient, why is it so rarely used?; WBER, vol. 5, no. 1.
- Skinner, J., (1991), "Prospects for agricultural land taxation in developing countries"; WBER, vol. 5 no. 3.
- Newbery, D., (1977), "Risk sharing, share-cropping and uncertain labour markets"; Review of Economic Studies; vol.XLIV, no.138.
- Stiglitz, J.E., (1974), "Incentives and risk sharing in sharecropping"; Review of Economic Studies, vol.XLI(2), no.126.
- Hoff, K., (1991), "Tand taxes, output taxes and sharecropping: was Henry George right?"; WBER, vol. 5, no. 1.
- Braverman, A., and Guasch, J.L., (1993), "Administrative failures in government credit programs"; in HBS (1993).
- Hoff, K., (1993), "Designing land policies: an overview"; in HBS (1993).
- Hayami, Y., and M. Kikuchi, (1981), Asian Village at the Crossroads: An Economic Approach to Institutional Change; Tokyo University Press, Tokyo.
- Hayami, Y., (1978), Anatomy of a Peasant Economy; International Rice Research Institute; Los Banos, Philippines.

- Ellis, F., (1988), Peasant Economics: Farm Households and Agrarian Development; Cambridge University Press, Cambridge.
- Bardhan, P.K., and Srinivasan, T.N., (1971), "Crop sharing tenancy in agriculture: a theoretical and empirical analysis"; American Economic Review, vol.61.
- Bell, C.L.G., (1977), "Alternative theories of share-cropping: some tests using evidence from north-east India"; Journal of Development Studies, vol.13, no.4.
- Cheung, S., (1969), The Theory of Share Tenancy; University of Chicago Press, Chicago.
- Bell, C., and P. Zusman, (1976), "A bargaining theoretic approach to sharecropping contracts"; American Economic Review, vol.66.
- Bliss, C.J., and N. Stern, (1982), PLANAPUR: the Economy of an Indian Village; Clarendon Press, Oxford; chapter 3.
- Braverman, A., and Stiglitz, J., (1982), "Sharecropping and the interlinking of agrarian markets"; American Economic Review, vol. 72, no.4.
- Ghatak, S.and K. Ingersent (1996). Agriculture and Economic Development. Cambridge University Press

11. AGRICULTURAL COMMODITY TRADE (Week 12)

- 11.1 Nature of agricultural commodities traded
- 11.2 Trade issues under regional and interregional agreements
- 11.3 Trade issues under WTO (Bilateral and multilateral)

Main Readings

World Bank (2001) Agriculture in WTO: The Role of Product Attributes in the Agricultural Negotiations.

Commissioned Paper Number 17 The International Agricultural Trade Research Consortium

Mshomba, R. E. (2000). Africa in the Global Economy. Lymne Rienner Publishers Inc.

xxxxxxxx (xxxx) African Imperatives in the new World Order Doha agreements -Publications by AGOA, NEPAD, SADC, COMESA, ECOWAS, WTO, etc