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2013

Student Manual

Excellence In Higher Education for Liberian Development

Developed by:
The University of Michigan

PLAYLIST

Agriculture, General: List of Open Educational Resources

Creator: [Open.Michigan, University of Michigan](#) (Updated 28 Mar 2013)

Description:

Supplemental learning materials for <http://open.umich.edu/education/engin/eheld/summer-start/>

Tags: [agriculture](#)

1. University of Malawi - Bunda College of Agriculture, [Textbook: Communication Skills](#) [<http://tinyurl.com/3udlt23>]
Notes: Source: OER Africa - AgShare Network: <http://www.oerafrica.org/agricultureoer/>
Description: This textbook has been designed to support students who are studying Communication during the first semester of the first year. This textbook has been created by lecturers from the University of Malawi - Bunda College of Agriculture. The intention of the Communication Skills course and this textbook is to provide students new to tertiary education, with the prerequisite language skills required to excel in the higher education environment.
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<http://creativecommons.org/licenses/by-nc-sa/3.0/>
2. United States International University, [eLearning Module: Farmer's Agribusiness Training Course](#)
[<http://www.oerafrica.org/ResourceDownload.aspx?assetid=23336&userid=1>]
Notes: Source: OER Africa - AgShare Network: <http://www.oerafrica.org/agricultureoer/>
Description: This Farmers? Agribusiness training course has been developed to help both farmers and farmer organisations. Its intention is to provide access to additional skills and knowledge that will allow farmers to move from a 'farm' to a 'firm'. The module is subdivided into five sections, Module 1: Structure of Agricultural Sector and Policies, Module 2: Sustainable Agriculture, Module 3: Entrepreneurship, 4: ICT in Support of Agriculture, and Module 5: Agribusiness Management for Farmer Organisations.
These modules can be studied in any particular order although the lessons within each module should be accessed in their correct order. The lessons are most effective if learners access the materials working in small groups of four or five.
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3. Makerere University, School of Agricultural Sciences, [Textbook: Agricultural Marketing Management](#)
[<http://tinyurl.com/432s5bg>]
Notes: Source: OER Africa - AgShare Network: <http://www.oerafrica.org/agricultureoer/>
Description: The main objective of this module is to develop your understanding and skills to successfully manage the marketing of agricultural and food products in a global, ever-changing, competitive and sometimes even in a hostile environment. The module specifically aims at:
-Acquainting you with the generic concepts of Marketing Management.
-Providing you with an overview of marketing of agricultural commodities and products.
-Making you appreciate the important decisions to take during the management of each element of the marketing mix: product, pricing, place, and promotion.
-Making you recognize the power and influence of consumers on market segmentation.
-Imparting you with skills to assess the performance of the marketing systems of agricultural commodities and products.
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4. Moi University, [eLearning Module: Agricultural Marketing and Price Analysis](#)
[http://www.oerafrica.org/FTPFolder/Agshare/Marketing_and_Price_Analysis.zip]
Notes: Source: OER Africa - AgShare Network: <http://www.oerafrica.org/agricultureoer/>
Description: This module was developed from the first topic of the Collaborative Masters in Agricultural and Applied Economics course titled Agricultural Marketing and Price Analysis. The module is subdivided into five sections. In section one introductory remarks, module objectives and expected learning outcomes are expounded. In section two, sub module 1 whose main thrust is to discuss economic role of prices is presented and related case studies and assignments unveiled. In section three, sub module 2, which centres on the various approaches to the study of agricultural market organization and performance, is presented and the related case studies unveiled. In section four, key issues discussed in the module are summarised. Finally in section five, two abstracts of the findings by masters\92 students during the application of the modular approach to the maize and dairy subsector stakeholders are annexed.
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5. Lisbeth Levey, [Reference Guide: Freely available academic readings on agriculture to supplement course](#)

modules [<http://tinyurl.com/428mrt9>]

Notes: Source: OER Africa - AgShare Network: <http://www.oerafrica.org/agricultureoer/>

Description: This resource guide is a compendium of the individual handbooks that were prepared for the AgShare university partners (<http://www.oerafrica.org/agshare/AgShareHome/tabid/1290/Default.aspx>

). It is subdivided into sections, such as lecture materials, student readings, websites, and video. The section with student readings may be of particular interest.

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6. University of Malawi Bunda College of Agriculture, Saide, **eLearning Module: OER Sampler: PhD Aquaculture** [<http://openmi.ch/aquaculture-oer-module>]

Notes: Source: OER Africa - AgShare Network: <http://www.oerafrica.org/agricultureoer/>

Description: This CD sampler has been organised to provide you with supplementary resources to support your PHD studies in Aquaculture. This collection is far from comprehensive and is simply intended to help start your investigation of Open Education Resources (OER) and Open Access Journal Internet sites. For example sample manuals, articles and papers have been downloaded onto the CD but you might find more relevant articles on the original Internet site. Where possible we have identified OER which allow you to use the resources and distribute them at no cost as long as you observe the few rights the authors have reserved. A rule of thumb is that you should attribute the source when you reuse the resources. Generally most authors have also requested that they not be used for commercial gain. In some instances they have also requested they not be changed.

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7. Ronald Nigh, Michigan State University, **Video Lecture: Nutrition, Inequality and Agriculture: Contested Models of Degenerative Disease in Chiapas, Mexico** [<http://tinyurl.com/3k2x6eo>]

Notes: Source: OER Commons: <http://www.oercommons.org/green>

Description: The industrial agro-food system has had two significant impacts on world public health: deteriorating human and animal nutrition due to poor food quality and the emergence of new infectious diseases arising from industrial animal production facilities and centralized food processing facilities. This situation is widely misrepresented in media coverage of public health issues. The corporate food system promotes the consumption of high levels of animal protein and processed foods, produced massively at low cost. With the expansion of the global economy, this '91Western diet'92 has spread, served by multinational agro-industries and facilitated by governments. These new patterns are related to profound changes in the ecology of rural areas, especially the destruction of smallholder food systems and changes in dietary habits with the penetration of the industrial food model. Highland Chiapas is one of the poorest and most marginalized areas of Mexico and as such suffers from both the effects of its historical poverty as well as of food globalization. Loss of quality of basic foods such as grains, fruits and vegetables under industrial practices and the brutal transformation of our system of animal husbandry are directly involved in the etiology of chronic degenerative diseases that are the principal causes of mortality today. These two factors combine to favor metabolic syndrome (insulin resistance, mitochondrial dysfunction and failure of cell signaling systems). Deteriorating food quality also affects animal production and is a factor in emerging infections with potential public health implications.

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8. Kathleen Merrigan and William Lockeretz, Tufts University, **Full Course: Agricultural Science and Policy I** [<http://tinyurl.com/3s9udyh>]

Notes: Source: OER Commons: <http://www.oercommons.org/green>

Description: Highlights of this course include: Major biological, chemical and physical components of the agricultural systems The scientific basis for understanding these systems and their management How has science influenced policies related to agriculture, food safety and environment in the United States? How have the policies evolved over time in the US? What has worked and what has not; what are the reasons and what are the consequences? Beyond science, what other factors influence policies? How do we link what we learn to ecological agriculture? How do we use what we learn for policy analysis?

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9. FM Ferreira, **Textbook: Introduction to Household Food Security** [<http://tinyurl.com/3kc5kqf>]

Notes: Source: OER Commons: <http://www.oercommons.org/green>

Description: In this module we will introduce you to concepts such as food security, food insecurity, nutrition security, livelihood security, food policies and programmes and the role of stakeholders and facilitators. You will gain the knowledge and skills required to gather information on many different levels, from the macro to the micro level. You will also, in time, become equipped to analyse community and household needs, understand the implications of policies and strategies for communities and households. You will eventually be able to report on the community situation regarding food insecurity and related issues and to advocate and request assistance for intervention.

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10. Ms Thembi Ngcobo, **Textbook: Participatory Extension for Household Food Security** [<http://tinyurl.com/3e56p88>]

Notes: Source: OER Commons: <http://www.oercommons.org/green>

Description: The purpose of the module is to give the Household Food Security Facilitator mobilization skills, knowledge and attitudes necessary to facilitate collective action in rural \96urban social processes, specifically of households through the use of participatory approaches. In this module you will learn how to use participatory approaches to facilitate improved household food security. The purpose of Module 2 is to: help you understand why it is important to use participatory approaches, instead of relying on written and external sources of information only - and only on your own interpretation of information.

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11. Wynn Walker, Utah State University, **Full course with Textbook: Surface Irrigation Design** [<http://tinyurl.com/43oxlzv>]
Notes: Source: OER Commons: <http://www.oercommons.org/green>
Description: This course was originally developed for the United States Department of Agriculture. It contains nearly 20 video lecture presentations with accompanying slides in English, Arabic, and French, an online textbook, homework assignments, and downloadable surface irrigation simulation software also developed by Dr. Walker. This course highlights design and evaluation of surface irrigation systems, field measurements for evaluating and improving uniformity and efficiency, simulation of surface systems, and land leveling computation and equipment.
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12. Waste & Resources Action Programme, **Booklet: Using Compost in Agriculture and Field Horticulture** [<http://tinyurl.com/3rns46a>]
Notes: Source: OER Commons: <http://www.oercommons.org/green>
Description: This document from WRAP (Waste & Resources Action Programme) summarises the benefits of compost in agriculture and field horticulture. It outlines the standards and characteristics for compost, together with the potential soil and cost benefits over nitrate use. References to regulations on compost use in Nitrate Vulnerable Zones and organic agriculture are included.
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13. **Research articles: African Journal of Agricultural Research** [<http://www.academicjournals.org/ajar/>]
Notes: Source: AcademicJournals.org
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14. **Research articles: International Journal of Fisheries and Aquaculture** [<http://www.academicjournals.org/IJFA/>]
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15. **Research articles: African Journal of Food Science** [<http://www.academicjournals.org/AJFS/>]
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16. **Research articles: Journal of Agricultural Extension and Rural Development** [<http://www.academicjournals.org/JAERD/>]
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17. **Modern Farming in Uganda (3:18)** [<http://www.youtube.com/watch?v=4K7kZjnPKI0>]
Notes: Source: YouTube
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18. **Book: Success Stories in Asian Aquaculture** [<http://www.enaca.org/modules/news/article.php?storyid=1857>]
Notes: Resources that are free to access, but not licensed for modification and reposting online
Description: The stories in this book reflect the unique nature of Asian aquaculture, providing first-time insight into how and why it has become so successful. Overall, the book demonstrates how the resiliency, adaptability, and innovation of small-scale aquaculture farmers have been crucial to this success. It also places aquaculture development in Asia into a wider global context, and describes its relationship to natural systems, social conditions, and economics. The book is unique in its in-depth presentation of primary research on Asian aquaculture, and in demonstrating how aquaculture can have a lasting positive impact on livelihoods, food security, and sustainable development.
19. **Book: Marine Aquaculture: Opportunities for Growth** [<http://www.nap.edu/catalog/1892.html>]
Notes: Resources that are free to access, but not licensed for modification and reposting online
Description: Coastal farming and ocean ranching of marine fish, shellfish, crustaceans, and seaweed are a major and growing industry worldwide. In the United States, freshwater aquaculture is rapidly becoming a significant

commercial activity; however, marine aquaculture has lagged behind. This book examines the obstacles to developing marine aquaculture in the United States and offers specific recommendations for technology and policy strategies to encourage this industry. The volume provides a wealth of information on the status of marine aquaculture--including comparisons between U.S. and foreign approaches to policy and technology and of the diverse species under culture. Marine Aquaculture also describes problems of coordination of regulatory policy among various federal, state, and local government agencies and escalating competition for the use of coastal waters. It addresses environmental concerns and suggests engineering and research strategies for alleviating negative impacts from marine aquaculture operations.

20. [Access to Global Online Research in Agriculture \(AGORA\)](http://www.aginternetwork.org/en/) [http://www.aginternetwork.org/en/]

Notes: Resources that are free to access, but not licensed for modification and reposting online

Description: Access to Global Online Research in Agriculture (AGORA) is a program to provide free or low cost access to major scientific journals in agriculture and related biological, environmental and social sciences to public institutions in developing countries. Launched in October 2003, AGORA will provide access to 1900 journals from the world's leading academic publishers. Led by the Food and Agriculture Organization of the United Nations, the goal of AGORA is to improve the quality and effectiveness of agricultural research, education and training in low-income countries, and in turn, to improve food security. Through AGORA, researchers, policy-makers, educators, students, technical workers and extension specialists have access to high-quality, relevant and timely agricultural information via the Internet. Institutions wishing to use AGORA must register with FAO. Access to AGORA is password controlled, and upon successful completion of the registration process, your institution's library will receive a password that can be used by all students, faculty and/or staff at your institution.

21. [Agriculture Resource Guides](http://www.eldis.org/go/topics/resource-guides/agriculture) [http://www.eldis.org/go/topics/resource-guides/agriculture]

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22. [Agriculture Education websites focused on Africa](http://tinyurl.com/42nbjuc) [http://tinyurl.com/42nbjuc]

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23. [Aquaculture and Aquaponics Resource Library](http://www.northernaquafarms.com/knowledgelibrary/) [http://www.northernaquafarms.com/knowledgelibrary/]

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Description: This Aquafarming library contains free informational resources concerning freshwater aquaculture, aquaponics farming, aquaculture in agriculture and related subjects. Documents in this library include published reports, how to manuals, fish raising protocols, research publications on aquaculture applications and methods, farm design standards and other resources. This site serves some documents that have been published and made freely available at other locations.

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