



Concepts in Global Agriculture

16:137:576 FALL 2020

Hybrid class with virtual meetings listed below

Mark Gregory Robson, PhD, MPH, DrPH

I am available whenever you need to meet, please feel free to send a text or an email and we will make a time that is convenient for you to meet either by phone, FaceTime or Zoom My cell number is: 609-752-4009 and my e-mail is mark.robson@rutgers.edu, e-mail is the preferred method for contact.

Required Text:

Howard Buffet

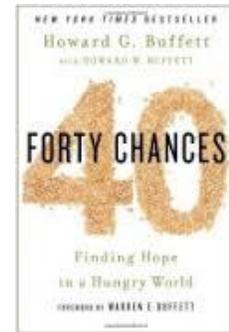
40 Chances: Finding Hope in a Hungry World

Simon and Schuster, First Edition

ISBN-13: 978-1451687866

Available from Amazon paperback for \$13.39

Other readings as PDFs as assigned and on the Sakai site



Learning Goals & Objectives:

This course is designed to tie together the other science-based and business based offerings in the MBS program for Global Ag and will draw on expertise from several of the individual disciplines represented with the curriculum. Lectures and readings will provide a critical look into the modern food supply chain, the challenges faced by the growing population and the pressure global economic development will have on industry and consumers.

Grading:	Presentation	35%
	Written paper	35%
	Participation and attendance	30%

Grades represent the level of quality of the student's performance measured against standards of knowledge, skill, and understanding as evaluated by the instructor. Grades are reported to the university registrar at the end of the semester by the following symbols:

A	92 – 100	Outstanding
B+	88 - 91	Excellent
B	82 - 87	Good
C+	78 - 81	Average
C	70 - 77	Satisfactory

Presentations:

Students will each make a 15-minute presentation (usually PowerPoint) on one of the topics covered in this class. **A copy of the presentation is due December 1, 2020**

Written Paper: You will be required to write one ten (10) page paper, double spaced plus references on one of the topics covered in the syllabus. The papers must be your own work, carefully and thoughtfully written. **The papers are due December 1, 2020**

Weekly assignments: It is important that you read the chapters before the class meets, please make certain to read the chapters prior to the class meeting so you can participate in the class discussion.

Attendance & Participation: Over the course of the semester we will meet virtually, via ZOOM seven times. I have set up ZOOM times for 6.30 PM to 8.30 PM on Tuesdays on: Sep 8, Sep 22, Oct 6, Oct 20, Nov 3, Nov 17, and Dec 1.

<u>Class</u>	<u>Date</u>	<u>Chapter Assignments</u>
1	SEP 8	<p>Introduction and course requirements Challenges and Opportunities in Global Agriculture</p> <p>Read 40 Chances: Chapters 1 to 8</p> <p>Also, please read: Sandra Schwindenhammer (2017) Global organic agriculture policy-making through standards as an organizational field: when institutional dynamics meet entrepreneurs, <i>Journal of European Public Policy</i>, 24:11, 1678-1697. PDF is on CANVAS.</p> <p>Funk, C.C., Brown, M.E. Declining global per capita agricultural production and warming oceans threaten food security. <i>Food Sec.</i> 1, 271–289 (2009). PDF is on CANVAS.</p>
2	SEP 22	<p>Agriculture in America History and Statistics Read 40 Chances: Chapters 9 to 16</p> <p>Also, please read: Douglas H. Constance. Sustainable Agriculture in the United States: A Critical Examination of a Contested Process Sustainability 2010, 2, 48-72. PDF is on CANVAS</p>
3	OCT 6	<p>Agriculture in the Global Perspective History and Statistics Practices, Commodities, Diets, Global Trade</p> <p>Read 40 Chances: Chapters 17 to 24</p> <p>Also, please read: Eve Foulleux, Nicolas Bricas & Arlène Alpha (2017) 'Feeding 9 billion people': global food security debates and the productionist trap, <i>Journal of European Public Policy</i>, 24:11, 1658-1677. PDF is on CANVAS</p>
4	OCT 20	<p>Biotechnology, The Future, Ethical Issues</p> <p>Read 40 Chances: Chapters 25 to 32</p> <p>Also, please read: M. A. Sánchez (2020) Chile as a key enabler country for global plant breeding, agricultural innovation, and biotechnology, <i>GM Crops & Food</i>, 11:3, 130-139. PDF is on CANVAS</p>
5	Nov 3	<p>Climate Change and Environmental Sustainability Read Chapters 33 to 40</p> <p>Also please read:</p> <p>Stefan Frank et al 2017 Reducing greenhouse gas emissions in agriculture without compromising food security? <i>Environ. Res. Lett.</i> 12 105004, PDF is on CANVAS</p> <p>Fellmann, T., Witzke, P., Weiss, F. et al. Major challenges of integrating agriculture into climate change mitigation policy frameworks. <i>Mitig Adapt Strateg Glob Change</i> 23, 451–468 (2018). PDF is on CANVAS</p>

6	Nov 17	Student presentations PART ONE
7	Dec 1	Student Presentation PART TWO

Papers are due and file with your presentation is due on December 1.

Academic Integrity Policy:

It is unethical and a violation of the University's Academic Integrity Policy to present the ideas or words of another without clearly and fully identifying the source. Inadequate citations will be construed as an attempt to misrepresent the cited material as your own. Plagiarism is the representation of the words or ideas of another as one's own in any academic exercise. To avoid plagiarism, every direct quotation must be identified by quotation marks or by appropriate indentation and must be properly cited in the text or footnote.

Acknowledgement is required when material from another source is stored in print, electronic, or other medium and is paraphrased or summarized in whole or in part in one's own words. To acknowledge a paraphrase properly, one might state: "to paraphrase Plato's comment..." and conclude with a footnote identifying the exact reference. A footnote acknowledging only a directly quoted statement does not suffice to notify the reader of any preceding or succeeding paraphrased material. Information which is common knowledge, such as names of leaders of prominent nations, basic scientific laws, etc., need not be footnoted; however, all facts or information obtained in reading or research that are not common knowledge among students in the course must be acknowledged.

In addition to materials specifically cited in the text, only materials that contribute to one's general understanding of the subject may be acknowledged in the bibliography. Plagiarism can, in some cases, be a subtle issue. Any question about what constitutes plagiarism should be discussed with the faculty member.

Plagiarism as described in the University's Academic Integrity Policy is as follows: "*Plagiarism*: Plagiarism is the use of another person's words, ideas, or results without giving that person appropriate credit. To avoid plagiarism, every direct quotation must be identified by quotation marks or appropriate indentation and both direct quotation and paraphrasing must be cited properly according to the accepted format for the particular discipline or as required by the instructor in a course. For more information regarding the Rutgers Academic Integrity Policies and Procedures, see: <http://academicintegrity.rutgers.edu/academic-integrity-at-rutgers>

To promote a strong culture of academic integrity, Rutgers has adopted the following honor pledge to be written and signed on examinations and major course assignments submitted for grading: *On my honor, I have neither received nor given any unauthorized assistance on this examination.*

Disability Accommodation

Please Note: Any student who believes that s/he may need an accommodation in this class due to a disability should contact the University Office of Disability Services, Lucy Stone Hall, Livingston Campus 54 Joyce Kilmer Avenue, Suite A145, Piscataway, NJ 08854-8045, email address: dsoffice@rci.rutgers, Phone: (848) 445-6800, fax: (732) 445-3388, for a letter of accommodation. (Undergraduate New Brunswick students should contact the Coordinator for Students with Disabilities for their College.) Any student, who has already received a letter of accommodation, should contact the instructor privately to discuss implementation of his/her accommodations immediately. Failure to discuss implementation of accommodations with the instructor promptly may result in denial of your accommodations.