

Food Security: Local and Global Perspectives

I. Content

Topic	Contents/fundamental concepts
Introduction to food security	<ol style="list-style-type: none"> 1. History of food security 2. Dimensions and current indicators of food security 3. Recent food crisis post millennium 4. Brief history of food safety 5. Recent food safety issues
Food system in the 21st century	<ol style="list-style-type: none"> 1. Overview of modern food system 2. Production and commodity trade 3. Processing, distribution, caterers and sale 4. Broken food system: The existence of both under-nutrition and over-nutrition
Factors influencing the food system	<ol style="list-style-type: none"> 1. Natural disaster 2. Manmade disaster 3. Economic and trading 4. Technology 5. Climate change and global warming
Food security in different settings	<ol style="list-style-type: none"> 1. Cultivated land in China: current situation and changes 2. Food trade and its impact in food system in China 3. Food security and poverty in HK 4. Surplus food and food waste in HK 5. Measures to tackle food security in HK
Impact of food security on human's health	<ol style="list-style-type: none"> 1. Malnutrition and 'Double Burden' resulted from current food system 2. Syndromes of under-nutrition and hidden hunger 3. Iron deficiency and anaemia 4. Iodine deficiency 5. Vitamin A deficiency
Global standards in food security and food safety	<ol style="list-style-type: none"> 1. Background behind Sphere project 2. Nutrition assessment 3. Infant and young child feeding 4. MDG and SDG
Global efforts to achieve food security	<ol style="list-style-type: none"> 1. Overview of some international organisations 2. Strengthening the enabling environment to promote food security 3. WTO regulate trade rules and fair trade 4. Technological advancement to promote food security 5. Organic farming: a solution to food security
Ensuring food safety to promote food security	<ol style="list-style-type: none"> 1. Definition of food safety 2. Risk and hazard to food 3. Food risk assessment 4. Risk management and communication

II. Learning Outcomes or Objectives of the Course

After completing this course, students should be able to:

1. Understand in detail the definition and scope of food security
2. Apply the understanding of food security to the analysis of global and local situations of food and nutrition supply
3. Realise the global and local efforts tackling food insecurity
4. Understand the role and importance of food safety as an element of food security

III. Course Schedule (Term 2)

Day	Date	Hrs	Topic	Format	Lecturer	Venue
1	7 Jan, 2019 (Mon) 18:30-21:30	3	Introduction to food security	Lecture	Tony Yung	KCTCRC
2	14 Jan, 2019 (Mon) 18:30-21:30	3	Food system in the 21st century	Lecture	Tony Yung	KCTCRC
3	21 Jan, 2019 (Mon) 18:30-21:30	3	Factors influencing the food system	Lecture	Tony Yung	KCTCRC
4	28 Jan, 2019 (Mon) 18:30-21:30	3	Food security in different settings	Lecture	May Ling Chan	KCTCRC
5	11 Feb, 2019 (Mon) 18:30-21:30	3	Impact of food security on human's health (Quiz 1, includes lecture 1-3)	Lecture	Tony Yung	KCTCRC
6	18 Feb, 2019 (Mon) 18:30-21:30	3	Global standards in food security and food safety	Lecture	Tony Yung	KCTCRC
7	25 Feb, 2019 (Mon) 18:30-21:30	3	Ensuring food safety to promote food security (Quiz 2, includes lecture 5,6 & 7)	Lecture	Tony Yung	KCTCRC
8	4 Mar, 2019 (Mon) 18:30-21:30	3	Global efforts to achieve food security	Lecture	Daisy Tam	3/F TR
9	11 Mar, 2019 (Mon) 18:30-21:30	3	Project presentation	Presentation	Tony Yung	LKS301

Venue:

KCTCRC = KCTCRC, 1/F, School of Public Health, PWH

3/F TR = Tutorial Room, 3/F, School of Public Health, PWH

LKS301= Multi-purpose room 301, 3/F, Li Ka Shing Clinical Sciences Building, PWH

IV. Assessment

Group project (Presentation (30%) and Write up (30%))

Quizzes (2 x 20% each)

#certificate course students are required to finish the group presentation. Write up and quizzes are **OPTIONAL**

V. Learning Resources for Students

Recommended readings or resources	<p>World food security: a history since 1945 / D. John Shaw</p> <p>FAO The State of Food Insecurity in the World</p> <p>Food safety: the science of keeping food safe / Ian C. Shaw</p> <p>The food system a guide / Geoff Tansey & Tony Worsley</p> <p>Food security and global environmental change / edited by John Ingram, Polly Ericksen, and Diana Liverman</p> <p>Global food security: emerging issues and economic implication / Munir A. Hanjra</p> <p>Food economics: industry and markets / Munir A. Hanjra</p> <p>Food Security and farm and protection in China / Mao Yushi, Zhao Nong, Yang Xiaojing</p> <p>Public health nutrition / edited on behalf of the Nutrition Society</p> <p>The politics of land and food scarcity / Paolo De Castro</p> <p>Hygiene in food processing: principles and practice / edited by H.L.M. Lelieveld, J.T. Holah and D. Napper</p> <p>Food & drink: good manufacturing practice: a guide to its responsible management</p> <p>HACCP / Sara Mortimore and Carol Wallace; compiling editor, Christos Cassianos</p> <p>The ISO 9000 quality system: applications in food and technology</p> <p>Food hygiene, microbiology and HACCP / S.J. Forsythe and P.R. Hayes</p> <p>Food safety in China: a comprehensive review / Linhai Wu, Dian Zhu</p>
-----------------------------------	---

VI. Teaching Staff (Instructor)

Course Coordinator	
Name	Dr. Tony Yung (Senior Lecturer, JC School of Public Health and Primary Care, CUHK)
Telephone & email	2252 8468 yungtony@cuhk.edu.hk
Name:	Prof. Daisy Tam
Telephone:	3411 5871
Email:	daisytam@hkbu.edu.hk
Name:	Ms. May Ling Chan
Telephone:	2520 2525
Email:	Mayling.chan@oxfam.org.hk

VII. Channels for Feedback for Evaluation

Evaluation will be sent to students in the last lecture