

Course Syllabus

1	Course title	Food and Nutrition Security
2	Course number	0603775
3	Credit hours (theory, practical)	3 (3, 0)
	Contact hours (theory, practical)	3 (3, 0)
4	Prerequisites/corequisites	-
5	Program title	MSc. In Human Nutrition and Dietetics
6	Program code	036
7	Awarding institution	University of Jordan
8	School	Agriculture
9	Department	Nutrition and food technology
10	Level of course	Second
11	Year of study and semester (s)	2019/2020, Spring semester
12	Final Qualification	MSc
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	11/6/2020

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Prof Reema Tayyem, 11-12 (Sunday, Monday, Thursday), email: r.tayyem@ju.edu.jo

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

None

18. Course Description:

As stated in the approved study plan.

The course deals with definitions of food and nutrition security and related terms; concepts, objectives and dimensions of food and nutrition security; food security phase classification and indicators; types of food insecurity; severity, measurement and analysis of food deprivation and vulnerability; and promotion of food and dietary diversification to enhance and sustain household food security.

19. Course aims and outcomes:

<p>A- Aims: By the end of this course, the students should be able to:</p> <ul style="list-style-type: none"> • Recognise the associations between food security and socio-economic development worldwide and in MENA region; • Differentiate between the concepts of food security, nutrition security and food and nutrition security; • Assess food security objectives, dimensions, strategies, policies, programs, and their implementation in developing countries and the MENA region; • Link food and nutrition security policies to political, cultural, gender equity, and ethical issues; • Modify evidence-based food security solutions and strategies to be suitable for regional or national needs; • Develop plans for implementation and dissemination of food security strategies through inviting stakeholders, community groups relevant to food insecurity, food producers' organizations, health professionals, universities, and government agencies to address food insecurity; • Apply methods to monitor and evaluate food security strategies, policies, and programs. • Figure out the gap in the food chain system that caused the nutrition and food insecurity situation.
<p>B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to:</p>
<p>A. Knowledge and Understanding: Student is expected to</p> <p>A1- Define nutrition and food security</p> <p>A2- Understand the concepts, scope and major elements of nutrition and food security</p> <p>A3- Understand what recommendations to make to prevent nutrition and food insecurity</p> <p>A4- Know the purposes, approaches, challenges and uses of nutrition and food security</p>
<p>B. Intellectual Analytical and Cognitive Skills: Student is expected to</p> <p>B1- Be able to collect information from various sources using libraries, Internet and institute report.</p> <p>B2- Be able to critically make specific recommendations about the present nutrition and food insecurity situation.</p> <p>B3- Be able to discuss questions raised by stakeholders, policy maker and communities about the suggested nutrition and food security solutions.</p>
<p>C. Subject- Specific Skills: Students is expected to:</p> <p>C1- Help in conducting nutrition and food security strategies and solutions during any national needs</p> <p>C2- Differentiate between the different types and dimensions of nutrition and food security and when to use each type and why.</p>
<p>D. Transferable Key Skills: Students is expected to</p> <p>D1- Present the topic orally using different audio-visual aids in the area of public speaking.</p> <p>D2- Be able to express opinion, ideas and proposals in strong and confident way.</p>

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Reference
<p>1- Food Security: Definition, Challenges and Current Situation</p> <ul style="list-style-type: none"> • Introduction • Concepts and principles of food security, namely availability, accessibility, utilization, and stability of food supply. 	1-3	Reema Tayyem	A, B, C,D	1-4

<ul style="list-style-type: none"> History of food security and the inclusion of political and social factors in considering food security. 				
<p>2. Nutrition Security: Assessment and Intervention Strategies</p> <ul style="list-style-type: none"> Basic principles of nutrition security, community nutrition, and nutritional ecology. How to conduct population-based nutrition research and assess the nutrition needs of a population; Planning, implementing, and evaluating the community nutrition programs and policies using evidence-based practice and taking into consideration cultural, social, and contextual dimensions. 	4-8	Reema Tayyem	A, B, C	1-3
<p>3. Food Supply Chains, and Sustainability</p> <ul style="list-style-type: none"> Understanding of sustainable agricultural production through a value-chain approach as it relates to production to consumption. Reasons of nutrition insecurity related to food supply chain. Consequences of food and nutrition insecurity on health and socioeconomic situations. 	9-11	Reema Tayyem	A, B, C,D	1-6
<p>4. Methods used to measure the level of food and nutrition security</p> <ul style="list-style-type: none"> The Food and Agricultural Organization (FAO) Method Household Expenditure Survey Method (HESM) Dietary Intake Assessment (DIA) Anthropometry Rapid Rural Appraisal (RRA) 	12-14	Reema Tayyem	A, B, C,D	1-6
<p>5. Students presentations</p>	15		A, B, C,D	1-6

Development of ILOs is promoted through the following teaching and learning methods:

Different methods of instructions were adopted as brain storming, group discussion, case study and visiting pharmacies. Additionally different aids were used to facilitate and illustrate teaching such as watching videos and self-reading handouts.

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

- Med-exam	30%
- Project and assignments	20%
- Final Exam	50%

23. Course Policies:

- A- **Attendance policies:** As declared by The University of Jordan Laws and Regulations.
- B- **Absences from exams and handing in assignments on time:** As declared by The University of Jordan Laws and Regulations.
- C- **Health and safety procedures:** None
- D- **Honesty policy regarding cheating, plagiarism, misbehavior:** As declared by The University of Jordan Laws and Regulations.
- E- **Grading policy:** As shown Evaluation Methods and Course Requirements.
- F- **Available university services that support achievement in the course:** Data show projector and class.

24. Required equipment: (Facilities, Tools, Labs, Training....)

Data show projector and class.

25. References:

Required book (s), assigned reading and audio-visuals:

1. Pereira et al. (2017). Prevalence and Correlates of Food insecurity among households with children. UNICEF. <https://www.unicef-irc.org/publications/900-prevalence-and-correlates-of-food-insecurityamong-children-across-the-globe.html>
2. Fram et al., (2017). The measurement of Food insecurity among children. Literature review. <https://www.unicef-irc.org/publications/pdf/Food%20security.pdf>
3. Aurino E., Morrow V. “Food prices were high, and the dal became watery”. Mixed-method evidence on household food insecurity and children’s diets in India. World Development. Free text available from my personal webpage: aurinoelisabetta.weebly.com

Recommended books, materials, and media:

4. *Up-to-date scientific* articles, reviews and meta-analysis will be used.
5. *Position and practice papers.*
6. Other resources.

26. Additional information:

None

Name of Course Coordinator: -----Reema Tayyem-----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----