



## *The Hebrew University of Jerusalem*

### *Syllabus*

## **MALNUTRITION AND ITS MANAGEMENT - 73978**

*Last update 23-02-2014*

*HU Credits:* 1

*Degree/Cycle:* 2nd degree (Master)

*Responsible Department:* Nutritional Sciences - International Prog.

*Academic year:* 1

*Semester:* 2nd Semester

*Teaching Languages:* English

*Campus:* Rehovot

*Course/Module Coordinator:* Michael B. Krawinkel

*Coordinator Email:* [Krawinkel@gb09.uni-giessen.de](mailto:Krawinkel@gb09.uni-giessen.de)

*Coordinator Office Hours:* By appointment via email

*Teaching Staff:*

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Dr. Kenneth Maleta

Course/Module description:

Lectures and exercises that cover the pathophysiological alterations caused by severe malnutrition. Topics will include global malnutrition, vitamin A deficiency, iron deficiency, iodine deficiency with focus on developing countries; institution- and community-based management of malnutrition; prevention of undernutrition in childhood.

Course/Module aims:

: To provide the most up-to-date knowledge regarding the role of nutritional deficiencies for health and to enable the students to analyze the causes of the high mortality of severe undernutrition as well as approaches to reduce the morbidity and mortality associated with this condition.

Learning outcomes - On successful completion of this module, students should be able to:

- Identify clinical signs and symptoms of undernutrition.
- Know the anthropometric techniques for diagnosing malnutrition
- Recognize the pathophysiological background of the physical alterations.
- Describe the ten steps of institution based management of severe childhood malnutrition.
- Identify breastfeeding practices and advise on common attachment problems.

Attendance requirements(%):

100

Teaching arrangement and method of instruction: Lectures and seminars

Course/Module Content:

- Clinical and pathophysiological aspects of severe undernutrition
- Vitamin A deficiency and its significance for developing countries
- Iron deficiency due to nutritional and non-nutritional causes
- Iodine deficiency and its prevention in developing countries
- Infant and Young Child Feeding for preventing malnutrition

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Required Reading:

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Additional Reading Material:

Mason JB. *Community Health and Nutrition Programs/ Chapter 56. In: Disease Control Priorities in Developing Countries. 2nd edition.*  
(<http://www.ncbi.nlm.nih.gov/books/NBK11726/>)

WHO. 2009. *Training course on the management of severe malnutrition.* ([http://www.who.int/nutrition/publications/severemalnutrition/training\\_inpatient\\_MSM/en/index.html](http://www.who.int/nutrition/publications/severemalnutrition/training_inpatient_MSM/en/index.html))

Course/Module evaluation:

End of year written/oral examination 50 %

Presentation 50 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

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