

Jordan University of Science and Technology
Faculty of Agriculture
Department of Nutrition and Food Technology
Semester 2007

Course Information	
Course Title	NUTRITIONAL ASSESSMENT
Course Number	NF 771
Prerequisites	
Course Website	
Instructor	Bayan Obeidat, PhD
Office Location	C4L3
Office Phone	22205
Office Hours	
E-mail	obeidatb@just.edu.jo
Teaching Assistant	
Course Description	

Text Book	
Title	Nutritional Assessment
Author(s)	Lee RD, Nieman, DC
Publisher	. McGraw Hill, New York, NY
Year	2007
Edition	3rd ed

Assessment Policy		
Assessment Type	Expected Due Date	Weight
First Exam		25%
Presentation		15%
Final Exam		40%
Assignments		20%

Course Objectives	Weights
<ul style="list-style-type: none"> • Identify ways to assess nutritional status in clinical and community settings. 	20%
<ul style="list-style-type: none"> • Analyze the impact of nutritional status on clinical, biochemical and anthropometric parameters. 	25%
<ul style="list-style-type: none"> • Describe and interpret data collecting during the assessment of nutritional status. 	15%
<ul style="list-style-type: none"> • Analyze the impact of acute and chronic conditions on nutritional status and on parameters used to assess nutritional status. 	20%
<ul style="list-style-type: none"> • Discuss and select age appropriate tools and parameters for assessment. 	10%
<ul style="list-style-type: none"> • Critically review and discuss current literature on assessment of nutritional status. 	10%

Teaching & Learning Methods
PowerPoint Data Show

Course Content		
Week	Topics	Chapter in Text (handouts)
1	Introduction to the course Selection of topics for presentation	
	Introduction to Nutritional Assessment	Chapter 1
	Dietary Assessment: Standards for Nutrient Intake	Chapter 2
	Measuring Diet Personal dietary Assessment	Chapter 3
	Computerized Dietary Analysis Assignment Activity 5-1 and 5-2 , pp. 167-168.	Chapter 5
	Anthropometric Assessment Assignment: personal Anthropometric Assessment (handout)	Chapter 6
	Assessment of the Hospitalized patient Calorimetry	Chapter 7
	Nutritional Assessment of disease Prevention Coronary heart disease hypertension	Chapter 8*
	Diabetes mellitus Assessment of osteoporosis: bone mineral Assignment: Assessment activity 8.2 pp. 317	
	Biochemical Assessment of Nutritional Status	Chapter 9*
	Assessment of anemia: iron, B12, and folate status	
	Clinical Assessment of Nutritional status	Chapter 10*

For the topics marked with an asterisk*, the student will provide a critical review of a current journal article (within last 5 years). The article should deal with a relevant aspect of the topic. A critical analysis of the article, along with a copy of the article will be provided to the instructor. Student **must**:

- **Highlight** on the copy any significant discussion of the article and **include a complete copy of the article**.
- Type the critical review. Give an analysis and personal interpretation of the article (such as limitations, relevance to our field, was the study well controlled, methodology, sample size, application to practice). Do not paraphrase the article!

Students must be prepared to discuss the article during class.

Each article review = 10 points. A total of 2 articles must be reviewed for class discussions.

Additional Notes	
Cheating	Honestly is expected in all academic work. While tem-work is encouraged, all work should reflect your efforts and thoughts. When using material from different references or "quotes", be sure to give credit to the original source.
Presentation	TOPICS FOR PRESENTATION 1. Calorimetry 2. Assessment of bone mineral status/osteoporosis 3. Assessment of nutritional anemia: iron deficiency, B12 deficiency folate deficiency 4. Assessment of vitamin B6 status, vitamin C, and vitamin A 5. Assessment of protein status

Writing a manuscript**(Assessment of nutritional status of students enrolled in FN 771)**

Each student will analyze information collected during the assigned Assessment Activities from each classmate. The anonymous data from each student in class will be entered into an SPSS database. The data will contain dietary, anthropometric or biochemical information. The student will complete descriptive statistical analysis, and will organize all necessary information into a manuscript. You should follow guidelines for author used by Journal of the American Dietetic Association. Manuscripts due are due January 2, 2006