

Red Rocks Community College

Course Syllabus  
HPR 108  
Dietary Nutrition  
Fall 2015

Class Dates: March. 7, 14, 21

Class Time: Saturday, 9:00am-2:00pm

Course Credit: 1 Semester Credit

Instructor: Ellen Speare  
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Nutritionist

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**Course Description:**

Studies the basic principles in clinical practice involved in the assistance of health care. The course will cover factors which influence the nutritional status of individuals, methods of nutritional assessment and support, and diet modification for specific disease states.

**Course Objectives:**

Provide basic nutrition information, necessary tools, and techniques to students in understanding nutrition as it relates to the health care profession.

**Required Text:**

Grodner, M., Anderson S.L., DeYoung, S. *Foundations and Clinical Applications of Nutrition, A Nursing Approach*, fourth Edition, C.V. Mosby, 2007

**Course Objectives:**

1. Describe the role of nutrition in health, wellness and disease prevention.
2. Recognize the health problems that are associated with high calorie/fat intakes.
3. Demonstrate knowledge of: Nutrients & their functions, Recommended Dietary Allowances (RDA's)
4. Identify the main organs of the digestive tract.
5. Differentiate mechanical and chemical digestion.
6. Explain the process of digestion, absorption and metabolism of: Carbohydrates, Proteins, and Fats.
7. Demonstrate prevention and treatment strategies for common GI disorders.
8. List fat soluble and water soluble vitamins.
9. Identify the function and food sources of vitamins.
10. Explain the difference between major and trace minerals.
11. Identify the function and food source of minerals.
12. Identify the functions of water in the body and factors affecting water requirement.
13. Explain the factors which affect energy requirement.
14. List the nutritional aspects for cancer prevention.
15. Describe the type of diet used for cancer patients.
16. List the three ways diabetes is managed.
17. Plan a menu using the diabetic exchange lists.
18. List the different types of kidney disease.

### **Grading:**

The course grade will be determined as follows:

Attendance:	50 points	<u>Grading Scale</u>
Dietary Analysis	25 points	A= 100-90
Exam	25 points	B= 89-80
		C= 79-70
Total	100 points	D= 69-60
		F= <60

### **Diet Analysis**

Use the DVD Nutritrac or [www.mydietanalysis.com](http://www.mydietanalysis.com)

( that came with your book) to record your diet for 3 days and analyze your diet compared to the DRI goals. Create reports for nutrients, DRI, My plate, and food intake for all three days. Write a summary identifying your deficiencies or excesses and how you might change your diet to meet the requirements.

### Special services:

#### Red Rocks

Community College in compliance with federal guidelines, is committed to equal educational opportunity by assuring otherwise qualified students with disabilities equal access to RRCC programs and activities that are provided to students without disabilities. An otherwise qualified person with a disability is a student who meets the academic and technical standards required for admission or participation in all educational programs and activities.

#### Eligibility

To ensure the provision of reasonable and appropriate services at Red Rocks, students with disabilities must identify themselves in a timely manner to the Office of Disability Services (ODS), Room 1182, Learning and Resource Center, 303-914-6733., in order to be eligible for the requested accommodation(s). Current and comprehensive documentation must be on file with the office prior to approval of the accommodation.

It is strongly encouraged that students self-disclose their disabilities at the beginning of their academic experience because accommodations are not retroactive.

RRCC will provide accommodations for qualified students with disabilities through communication with your instructor via an Accommodation Certificate and your conversation with me. To request accommodations, contact the Office of Disability Services. The Office of Disability Services located in the Learning and Resource Center (LARC) in Room 1185.

The Office of Disability Services also recruits volunteer and paid note takers to assist in providing this service to other students. Contact the office for more information.

## **Class Schedule**

### **October 3**

Wellness Nutrition, digestion, carbohydrates, and protein.

Film: digestive health

Chapters: 1, 3,4,6,

### **October 10**

Fats, vitamins and minerals, and gastrointestinal disorders.

Film: Ingrediants

Chapters: 5,7,8,17

### **October 17**

Diabetes, cardiovascular, liver and gallbladder, special diets and cancer

Chapters: 18,19,20,22

Diet Analysis due in 1 week.

Exam: 25 points