



Nutrition For A Lifetime Undergraduate Course Information Guide

Course Number: CCS 267, 4 credits, 10 Weeks
Cross listed Course Number: SW 267, 2 or 4 credits, 10 Weeks
Delivery Formats: Online Async

<u>Learning Outcomes</u>	<u>Learning Strategies and Resources</u>	<u>Learning Deliverables</u>
<u>Assessment/Grading</u>	<u>Course Schedule</u>	<u>Policies</u>

Course Description

Today's consumers want and need to be educated about taking charge of their own health. With the current fast-paced world that has spilled over into our eating habits, food choices have become unlimited. Choosing a healthful approach to diet requires basic information about our bodies' nutritional needs. The greater our understanding of our basic bodily needs, the better we are able to make choices concerning our health. This course will offer an overview of the basic science of nutrition, with an emphasis on the relationship between disease and nutrition, and current research findings.

Learning Outcomes

After completing this course, you will be able to:

- Formulate a personal philosophy on the relationship of nutrition and health management.
- Develop critical thinking skills as they apply to health care information related to food.
- Explain the processes involved in the assimilation of nutrients from food.
- Explain the relationship between physical activity and energy expenditure.
- Understand the relationship between physical activity and health.
- Understand the relationship between carbohydrates and disease.
- Explain how various technologies, inventions, and processes influence food and nutrients.

If in a SCPS competence program, (BAIFA, BAC, BAGB, BAECE), this course addresses the following requirements:

Competence	Competence Statement / Criteria
S2D	Can describe, categorize, and analyze the interactions and exchanges between living organisms and their physical environments.
S2X	Can describe, categorize, and explain development or change within the human biological system.
S3B	Can assess health care practices based on an understanding of the biological and social factors that contribute to definitions of health.
S4	Can describe and explain connections among diverse aspects of nature.

Required Readings

Books and learning materials are available at the DePaul bookstore, at <http://depaul-loop.bncollege.com>, or through alternative sources.

Brown, J. (2017). Nutrition Now. (8th Ed.). Belmont, CA: Wadsworth, Cengage Learning. ISBN- 13: 978-1305656611

Additional readings may be available on Electronic Reserve, at the [DePaul Library](#). Login to Ares Course Reserves and select the course. Log in using your Campus Connect User ID and password. You will then get a page listing the courses in which you're enrolled that have readings posted in Ares. Click on the title of this course and the list of our electronic reserve readings will be displayed.

Assessment of Student Learning

Distribution of Grade Points

Online Discussions	40%
Written Assignments	15%
Quizzes	15%
Mini Presentation	15%
Final Exam	15%

[Back to Top](#)

Grading Scale

A = 95 to 100	A- = 91 to 94	B+ = 88 to 90
B = 85 to 87	B- = 81 to 84	C+ = 77 to 80
C = 73 to 76	C- = 69 to 72	D+ = 65 to 68
D = 61 to 64	F = 60 or below	INC

[Back to Top](#)

Course Schedule

Week and Module Title	Readings	Assignments
Week 1, Module 1: Introduction	<p>Read Nutrition Now, Units 1-4; 6</p> <p>Web Reading:</p> <p>The Impact of Chronic Diseases on Healthcare</p> <p>Chronic Diseases: The Leading Causes of Death and Disability in the United States</p> <p>Prevention: The Answer To Curbing Chronically High Health Care Costs</p> <p>Optional:</p> <p>Dietary Guidelines for Americans, 2010</p>	<p>Course Expectations Quiz</p> <p>1.1 Introductions Discussion</p> <p>1.2 Daily Food Choices Can Be Complex</p> <p>1.3 Food Diary</p>
Week 2, Module 2: You are What You Eat / Digestion	<p>Read Nutrition Now, Units 26; 5-7</p> <p>Web Reading:</p> <p>National Geographic: Digestive System</p>	<p>2.1: Food Labels Discussion</p> <p>2.2 Topic Proposal for Mini Oral Presentation</p>

	<p>Jin, Kunlin (2010). Modern biological theories of aging.</p> <p>Nutrition and the Epigenome (University of Utah Health Sciences)</p> <p>Articles:</p> <p>Schardt, D. (2013). Epigenetics: it's what turns you on...and off. Nutrition Action Health Letter, 40(6), 9-11.</p> <p>Videos:</p> <ul style="list-style-type: none"> • The Journey of the Digestive System • The Epigenome at a Glance • Epigenetics and the influence of our genes 	<p>2.3 Oral Presentation Topic Sign-up</p> <p>2.4 Digestive System Quiz</p>
<p>Week 3, Module 3: Energy: Where Does it Come From? Where Does it Go?</p>	<p>Read Nutrition Now, Units 8; 27</p> <p>Web Reading:</p> <p>The Truth About Exercise and Your Weight</p> <p>Metabolism and Weight Loss: How You Burn Calories</p> <p>Building Up Bones, With a Little Bashing</p> <p>Articles:</p> <p>Think THIRTY! (2007). PT: Magazine of Physical Therapy, 12.</p> <p>Bassuk, S. S., Church, T. S., & Manson, J. E. (2013). Why exercise works magic. Scientific American, 309(2), 74-79.</p> <p>Church, T. (2012). It's Your Move: no more excuses (Cover story). Nutrition Action Health Letter, 39(10), 3-4.</p> <p>Best medicine: The science of exercise shows benefits beyond weight loss. (2013). Harvard Heart Letter, 23(11), 6.</p>	<p>3.1 Energy In/Energy Out</p> <p>3.2 Energy Quiz</p>

	<p>What's moderate activity?. (2003). Harvard Women's Health Watch, 10(10), 6-7.</p> <p>E-Reserves:</p> <p>Rubin, C., & Sklar, H. (2013). Secrets of a Superburner. Health (Time Inc.), 27(9), 41.</p> <p>Video:</p> <p>ATP & Respiration</p> <p>Podcast:</p> <p>Naked Scientists (2011). Boosting Your Bones</p>	
<p>Week 4, Module 4: Fluids</p>	<p>Read Nutrition Now, Unit 25</p> <p>Web Reading:</p> <p>UN Water Cooperation 2013</p> <p>Articles:</p> <p>Popkin, B., D'Anci, K., & Rosenberg, I. (2010). Water, hydration, and health. Nutrition Reviews, 68(8), 439-458.</p> <p>Bottled Water's Rising Tide</p>	<p>4.1 Choose Your Fluids</p> <p>4.2 Bottled vs Tap Reflection</p>
<p>Week 5, Module 5: How Sweet it is! Carbohydrates</p>	<p>Read Nutrition Now, Units 12-13</p> <p>Web Reading:</p> <p>The Covert Plague</p> <p>CDC webpage Overweight and Obesity for Professionals</p> <p>Adult Obesity in the United States</p> <p>Killer Fat</p>	<p>5.1 Know Your Fiber</p> <p>5.2 Carbohydrates Quiz</p>

	<p>Preventing Diabetes: Small Changes Have Big Payoff</p> <p>Take the Harvard School of Public Health Diabetes Health Assessment</p> <p>A Beginners Guide to Carb Counting</p> <p>Article:</p> <p>Stehno-Bittel, L. (2008). Intricacies of Fat. <i>Physical Therapy</i>, 88(11), 1265-1278.</p> <p>Interactive Presentation:</p> <p>Carbohydrate Digestion</p> <p>Videos:</p> <p>Diabetes Effect: Kidney Failure</p> <p>Physical Activity and Diabetes</p> <p>About Diabetes and Nutrition</p> <p>Diet Differences for Type I and II Diabetes</p> <p>The Science of Sweetness</p>	
<p>Week 6, Module 6: Lipids</p>	<p>Read Nutrition Now, Units 18-19</p> <p>Web Reading:</p> <p>Heart-healthy diet: 8 steps to prevent heart disease</p> <p>Exercise and Cardiovascular Health</p> <p>The Truth About Exercise and Your Weight</p> <p>Dietary Fat and Cholesterol</p> <p>Fats and Cholesterol: Out with the Bad, In with the Good</p> <p>High Cholesterol Risk Factors</p>	<p>6.1 Convenience and Eating Out</p> <p>6.2 Lipids Quiz</p>

	<p>Articles:</p> <p>Libby, P. (2002). Atherosclerosis: The new view. <i>Scientific American</i>, 286(5), 46.</p> <p>Hambrecht, R., & Gielen, S. (2005). Essay: Hunter-gatherer to sedentary lifestyle. <i>Lancet</i>, 366, S60-S61.</p> <p>Jefferson, A. (2008). Nutritional management of coronary heart disease. <i>Journal Of Community Nursing</i>, 22(5), 28.</p> <p>Fatness vs. Fitness-a Weighty Debate. (2004). <i>Tufts University Health & Nutrition Letter</i>, 22(9), 6.</p> <p>Video:</p> <p>Atherosclerosis: An animation (The New York Times)</p>	
<p>Week 7, Module 7: Micronutrients</p>	<p>Read Nutrition Now, Units 15, 16, 20, 21, 23, 24</p> <p>Web Reading:</p> <p>Protein Digestion and Absorption Process</p> <p>Articles:</p> <p>McCormick, D. (2010). Vitamin/mineral supplements: of questionable benefit for the general population. <i>Nutrition Reviews</i>, 68(4), 207-213.</p> <p>Schardt, D., & Scarmo, S. (2013). Multi Dilemma. <i>Nutrition Action Health Letter</i>, 40(9), 1-5.</p> <p>Video:</p> <p>Vitamins & Minerals an Overview</p>	<p>7.1 Debate: How Should You Get Your Vitamins & Minerals?</p> <p>7.2 The Importance of Food Labels</p>

<p>Week 8, Module 8: Processed Foods</p>	<p>Read Nutrition Now, Units 32-33</p> <p>Web Reading:</p> <p>Avoiding Processed Foods? Surprise! This is Processed Too!</p> <p>Genetically Modified Foods</p> <p>World Health Organization: General information about biotechnology (GM foods)</p> <p>Articles:</p> <p>Kim, E. (2013). The Amazing Multimillion-year History of Processed Food. <i>Scientific American</i>, 309(3), 50-55.</p> <p>Ludwig, D. S. (2011). Technology, Diet and the Burden of Chronic Disease. <i>JAMA: Journal of The American Medical Association</i>, 305(13), 1352-1353.</p>	<p>8.1 Debate: Genetically Modified Food</p> <p>8.2 Processing Food Reflection</p>
<p>Week 9, Module 9: Current Issues</p>		<p>9.1 Mini Oral Presentations</p> <p>9.2 View the Presentations & Discussion</p>
<p>Week 10, Module 10: Conclusions / Wrap-up</p>		<p>10.1 Personal Philosophy Discussion</p> <p>Week 11:</p> <p>10.2 Final Exam</p>

[Back to Top](#)

Course Policies

For access to all SCPS and DePaul University academic policies, refer to the following links:

[SCPS Student Resources Website](#)

[DePaul Student Handbook](#)

The [D2L Course Website](#) for this course.

Course Syllabus

The official syllabus for this course that includes course dates, instructor information and quarter specific details will be provided by the course instructor by the start of the course and available on the course D2L website.

Course Registration

To find out when this course will be offered next, you can go to the [SCPS Registration website](#) for details on how to register for the course.

For information on how this course can apply to your program, contact your academic advisor.

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This document was updated 10-1-21.

[Back to Top](#)