

**Biology of Aging
Biology 327
Course Syllabus
Fall, 2001**

Instructor: Dr. Elliott Blumenthal
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Science Building # 390
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Class Meeting Time & Place:
Tuesday and Thursday 6:00-7:15 PM, Science Building (SB) G-69

<i><u>Date</u></i>	<i><u>Assignment</u></i>	<i><u>Chapters</u></i>
8-21	Introduction: An overview	Chapter 1
8-23	Levels of Organization & Theories	Chapter 2
8-28	Theories & Cell Structure	Chapter 2
8-30	Cell Structure	Chapter 2
9-4	Cell Structure	Chapter 2
9-6	Exam # 1	
9-11	Aging and Integumentary System	Chapter 3
9-13	Aging and the Circulatory System	Chapter 4
9-18	Aging and the Respiratory System	Chapter 5
9-20	Aging and the Respiratory System	Chapter 5
9-25	The Immune System	Chapter 15
9-27	The Immune System	Chapter 15
10-2	Exam # 2	
10-4	Classes Suspended	
10-9	Aging of the Nervous System	Chapter 6
10-11	Aging of the Nervous System	Chapter 6
10-16	Diseases of the Nervous System	Chapter 6
10-18	Aging of the Eyes and Ears	Chapter 7
10-23	Aging and the Muscle System	Chapter 8

10-25	Aging and the Skeletal System	Chapter 9
10-30	Exam # 3	
11-1	Aging and the Digestive System	Chapter 10
11-6	Diet and Nutrition in Aging	Chapter 11
11-8	Aging and the Urinary System	Chapter 12
11-13	Aging and the Reproductive System	Chapter 13
11-15	Aging and the Endocrine System	Chapter 14
11-20	The Future of Aging	Chapter 16
11-22	Thanksgiving Holiday	
11-27	Research Topic Presentation	
11-29	Research Topic Presentation	
12-4	Research Topic Presentation	
12-6	Research Topic Presentation	
12-11	Final Exam 5:45-7:45 PM	

Required books:

“Human Aging: biological perspectives”, 2nd Edition, 2000, McGraw-Hill Publishers, Augustine Gaspar Digiovanna.

Class Requirements:

Your presence in class is mandatory! The class will be presented in an informal manner with discussion as an integral part of the learning experience. Participation in the discussion will count towards 10% of the final grade. A short (4-5 pages) paper/powerpoint presentation describing either some research aspect of aging or a clinical/psychological/social aspect of aging will be required and will count towards 20% of the final grade. Four exams will be given over the material that will count towards 70% of the final grade.

Course Description:

The “Biology of Aging” course will discuss and exam the current understanding of the aging process from the biological viewpoint. The biological topics to be covered will emphasize the basic concepts needed to discuss and understand what aging of living organisms involves. While the topics will cover a variety of biological topics, the level will be geared to the level of the students in the class, but with enough depth to understand and read current articles related to concepts in aging.