

**Cancer Biology
BIOL 516
Syllabus, Fall 2006**

8-22	Introduction and Characteristics of Cancer	Pages 1-24
8-24	Causes of Cancer	Pages 1-24
9-5	Tumor Genetics	Pages 25-46
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9-12	DNA Damage and DNA Repair	Pages 25-46
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9-19	Inherited Cancers	Pages 47-70
9-21	Exam # 1	Pages 47-70
9-26	Oncogenes	Pages 71-90
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10-3	Tumor Suppressor Genes	Pages 91-112
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10-10	Fall Break	
10-13	Cancer Pathways	Pages 113-144
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10-17	Cancer Pathways	
10-19	Exam # 2	
10-24	Apoptosis	Pages 145-166
10-26	Apoptosis	Pages 145-166
10-31	Cancer Epigenetics	Pages 167-192
11-2	Cancer Epigenetics	Pages 167-192
11-7	Invasion and Metastasis	Pages 193-217
11-9	Invasion and Metastasis	Pages 193-217
11-14	Immunology Basics	Handout
11-16	Immunology and Cancer	Handout
11-21	Exam # 3	
11-22	Thanksgiving	
11-28	Student Presentations- Leukemias & Neuroblastoma & Skin	Chapters 10, 11,12
11-30	Student Presentations- Colon & Bladder & Renal	Chapters 13,14 15

12-5	Student Presentations- Liver & Stomach	Chapters 16,17
12-7	Student Presentations- Breast & Prostate	Chapters 18 &19
12-12	Cancer Prevention- Diagnosis and Therapy	Pages 403-489
12-14	Final Exam (5:45-7:45)	

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Textbook: “Molecular Biology of Human Cancers: An advanced Student’s Textbook”, Wolfgang Arthur Schulz, 2005, Springer Publishing

Course Requirements:

This course will teach you to be conversant on issues related to Cancer: its etiology, development, genetics, treatments and preventions. You will be researching specific cancer types and present your findings to the class. Each student is expected to participate in class discussions and contribute with relevant thoughts and ideas.