Cancer Biology, BIOL 516
Syllabus, Fall 2010
SB G30, 3:00-4:15 TR

8-24	Introduction and chacteristics of Cancer	Pages 1-24
8-26	The Nature and Causes of Cancer	Pages 25-56
8-31	The Nature and Causes of Cancer	Pages 25-56
9-2	The Nature and Causes of Cancer	Pages 25-56
9-7	Tumor Viruses	Pages 57-90
9-9	Tumor Viruses	Pages 57-90
9-14	Tumor Viruses	Pages 57-90
9-16	**Exam # 1**	
9-21	Cellular Oncogenes	Pages 91-118
9-23	Cellular Oncogenes	Pages 91-118
9-28	Growth Factors and Receptors	Pages 119-158
9-30	Growth Factors and Receptors	Pages 119-158
10-5	Cytoplasmic Signaling	
10-7	Cytoplasmic Signaling	Pages 159-208
		Pages 159-208
10-12	**Fall Break**	
10-14	**Exam # 2**	
10-19	Tumor Suppressor Genes	Pages 209-254
10-21	Tumor Suppressor Genes	Pages 209-254
10-26	Rb and Control of Cell Cycle	Pages 255-306
10-28	Rb and Control of Cell Cycle	Pages 255-306
11-2	p53 and Apoptosis	Pages 307-356
11-4	p53 and Apoptosis	Pages 307-356
11-9	Cell Immortalization and Tumorigenesis	Pages 357-398
11-11	Cell Immortalization and Tumorigenesis	Pages 357-398
11-16	**Exam # 3**	
11-18	Biology of Angiogenesis	Pages 527-586

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11-23	Invasion and Metastasis	Pages 587-654
11-25	**Thanksgiving**	
11-30	Tumor Immunology	Pages 655-724
12-2	Tumor Immunotherapy	Pages 655-724
12-7	Cancer Prevention- Diagnosis and Therapy	Pages 403-489
12-9	Student Presentations	
12-14	**Final Exam (5:45-7:45)**	

Professor: Elliott J. Blumenthal, Department of Biology, SB 390, 481-6004, e-mail is Blumenth@IPFW.EDU

Textbook: "the biology of Cancer", Robert A. Weinberg, 2007, Garland Science.

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. There will be a term paper that is required that will involve library research. This paper my be presented in class (we will see if there is time).

A course in Genetics is required and some course in molecular/cellular Biology will be helpful.