

# Lecture Schedule

<i>Date</i>	<i>Day</i>	<i>Lecturer</i>	<i>Title</i>	<i>Printed</i>
<i>Week 1</i>				
5/25/2012	Friday	Goodhead, Linda	Elementary reviews of physics and biology	<input type="radio"/>
<i>Week 2</i>				
5/28/2012	Monday	Cucinotta, Frank	NASA's Mission and Roadmap	<input type="radio"/>
		Borak, Thomas	What is Radiation	<input type="radio"/>
		Borak, Thomas	Radiation Interactions with Matter	<input type="radio"/>
		Borak, Thomas	Introduction to Radiation Dosimetry	<input type="radio"/>
		Hall - by Goodheads	Radiobiology 1	<input type="radio"/>
		Borak, Thomas	Principles of Radiation	<input type="radio"/>
5/29/2012	Tuesday	Hall, Eric	Radiobiology 2	<input type="radio"/>
		Nelson, Greg	Physics Tool Kit	<input type="radio"/>
		Held, Kathy	Radiation Chemistry and DNA Damage	<input type="radio"/>
		Held, Kathy	Dose Responses, LET and RBE	<input type="radio"/>
		Borak/Heilbronn	Radiation Detection Methods	<input type="radio"/>
5/30/2012	Wednesday	Heilbronn, Lawrence	Heavy Ions and Shielding Physics, including Neutrons	<input type="radio"/>
		Heilbronn/Goodhead	Physics Homework Problems	<input type="radio"/>
		Kronenberg, Amy	Apoptosis	<input type="radio"/>
		Wilson, Paul	DNA Repair 1	<input type="radio"/>
		Wilson, Paul	DNA Repair 2	<input type="radio"/>
5/31/2012	Thursday	Kronenberg, Amy	Mutagenesis	<input type="radio"/>
		Bedford, Joel	Chromosome Rearrangements	<input type="radio"/>
		Joiner, Michael	Radiosensitivity and Cell Cycle	<input type="radio"/>
		Joiner, Michael	Radiation Induced Instability	<input type="radio"/>
		Bedford, Joel	Dose Rate Effects	<input type="radio"/>
		Goodhead, Dudley	Track Structure	<input type="radio"/>
6/1/2012	Friday	Baulch/Guida	Guida - Flow Cytometry Baulch and Guida - Biology Experiment Overview and Biology Review	<input type="radio"/>
		Schimmerling, Walter	Space Radiation Protection	<input type="radio"/>

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6/1/2012	Friday	Baulch, Janet	Epigenetics	<input type="radio"/>
		Lowenstein, E	Accelerators	<input type="radio"/>
		Rusek, Adam	NSRL Dosimetry	<input type="radio"/>
<b>Week 3</b>				
6/4/2012	Monday	O'Neill, Patrick	Space Radiation Environment - 1	<input type="radio"/>
		O'Neill, Patrick	Space Radiation Environment - 2	<input type="radio"/>
		Boothman, David	Radiation-Induced Cell Signaling	<input type="radio"/>
		Zeitlin, Cary	Accelerator Physics and Space Simulation	<input type="radio"/>
		Nelson, Greg	Space Flight Measurements	<input type="radio"/>
		Baulch, Janet	Effects on Embryo, Fetus, Transgenerational	<input type="radio"/>
6/5/2012	Tuesday	Baulch/Guida	Lab Day - NSRL	<input type="radio"/>
		Azzam, Ed	Non-Targeted Effects	<input type="radio"/>
6/6/2012	Wednesday	Weil, Michael	Animal Studies	<input type="radio"/>
		Weil, Michael	Genetics of Animals	<input type="radio"/>
		Nelson, Greg	Haematopoietic & Immune Response	<input type="radio"/>
		Kennedy, Ann	Acute Effects	<input type="radio"/>
		Weil, Michael	Leukemia	<input type="radio"/>
		Nelson, Greg	Beam Time Proposals, Homework, Questions	<input type="radio"/>
6/7/2012	Thursday	Shay, Jerry	3D Cell Culture Models	<input type="radio"/>
		Shay, Jerry	Biological Countermeasures For Radiation Protection	<input type="radio"/>
		Nelson, Greg	Microgravity Effects	<input type="radio"/>
		Rusek/Guida	Experimental Plan for Tomorrow	<input type="radio"/>
6/8/2012	Friday	Rusek/Nelson	NSRL-Rusek Toolkit Practical and Beam Time Proposal-Nelson	<input type="radio"/>
		Barcellos-Hoff, Mary Helen	Systems Biology Approaches to Radiation Effects	<input type="radio"/>
		Rusek/Nelson	NSRL-Rusek Toolkit Practical and Beam Time Proposal-Nelson	<input type="radio"/>
<b>Week 4</b>				
6/11/2012	Monday	Cucinotta, Frank	NSRL Simulation (GERM Code)	<input type="radio"/>
		Plante, Ianik	Track Structure Simulations	<input type="radio"/>
		Kirsch, David	Transgenic Models and New Imaging Approaches	<input type="radio"/>

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6/11/2012	Monday	Kirsch, David	Cancer Stem Cells	<input type="radio"/>
		Goodhead, Dudley	Track Structure 2	<input type="radio"/>
		Randers-Pehrson	High and Low LET Microbeams	<input type="radio"/>
6/12/2012	Tuesday	Story, Michael	Omics Technologies	<input type="radio"/>
		O'Banion, Kerry	Cardiovascular Effects	<input type="radio"/>
		O'Banion, Kerry	CNS Effects	<input type="radio"/>
		Fike, John	Neurogenesis	<input type="radio"/>
		Fike, John	Radiation Effects on Neurons and Stem Cells	<input type="radio"/>
6/13/2012	Wednesday	Blakely, Bill	Biomarkers and Biodosimetry	<input type="radio"/>
		Faculty and Cucinotta	Review Time	<input type="radio"/>
6/14/2012	Thursday	Cucinotta, Frank	Chemical Kinetics in Systems Biology	<input type="radio"/>
		Cucinotta, Frank	Radiation Quality & Risk Models	<input type="radio"/>
		Blakely, Ellie	Cataracts	<input type="radio"/>
		Blakely, Ellie	Heavy Particle Therapy	<input type="radio"/>