

IB 500
INTRODUCTION TO BIOMEDICAL ENGINEERING AND BIOTECHNOLOGY

TENTATIVE COURSE OUTLINE

Fall 2011

<u>DATE</u>	<u>TENTATIVE TOPIC</u>	<u>PRESENTER</u>
September 7	Biomechanics	Buchholz (Work Envir)
September 14	Single Cell Models of Neurodegenerative Disease Cultured Cells as Model Systems	Hall (Biology) Shea (Biology)
September 21	Biomedical Applications of Polymer Colloids Biomedical Applications of Nanotechnology	Budhlall (Plast Eng) Bello (Work Envir)
September 28	Biosensors Bioinformatics: Scientific Visualization	Marx (Chemistry) Grinstein (Comp Sci)
October 5	Biochemical Functions of Enzymes and Other Proteins Biomanufacturing	Guo (Biology) Yoon (Chem Eng)
October 12	Biomedical Applications of Polymers Molecular and Developmental Biology	Schmidt (Plas Eng) Gaines (Biology)
October 19	Anemia and Nutritional Biotechnology Virology	Handleman (CLNS) Graves (Biology)
October 26	Biosensors Drug Eluting Stents	Wang (ECE) Wu (BMEBT)
November 2	Respiratory and Rigid Body Motion Compensation in Cardiac Perfusion SPECT Cholesterol and Cardiovascular Disease	Pretorius (UMMS) Garelnabi (CLNS)
November 9	Integrative Physiology Medical Physics	Collins (Phys Ther) Sajo (Physics)
November 16	Nanotechnology, Green Chemistry and Biotechnology Studies of Movement: Reptiles	Manohar (Chem Eng) Young (Phys Ther)
November 23	Student Presentations???	
November 30	Student Presentations	
December 7	Student Presentations / Final Report Due	