

### Appendix A

<b>COURSE MODULES</b> 2019 - 2020			
<b>Mandatory Modules</b>			
Introductory Biostatistics	Sept. 6 – Sept. 13		
Scientific Exposition and Ethics	Sept. 18 – Nov. 13		
<b>BIOLOGY</b>	<b>DATES</b>	<b>PHYSICS</b>	<b>DATES</b>
Cancer Epigenetics	Nov. 7 – Dec. 19	Advanced Ultrasound	Mar. 4, 11 and Apr. 15
Cancer Immunotherapy	TBA	Biological Imaging	Mar. 2 – May 4
Clinical & Experimental Radiobiology I & II	Apr. 20 – 24 and May 6	Biophysics of Focused Ultrasound	Nov 5 – Dec. 17
Development, Stem Cells and Cancer	Jan. 6 – Feb. 24	Cell and Molecular Biology for Physicists	Mar. 5 – Apr. 16
Radiation Biology and DNA Repair	Oct. 28 – Dec. 9	Introduction to Biophotonics	Mar. 6 – May 1
Tumor Microenvironment	Sept. 26 – Oct. 31	Magnetic Resonance Imaging – Overview	Mar. 3 – Apr. 28
		Medical Device Commercialization Essentials	Sept. 5 – Dec. 5
		Medical Device Innovation and Entrepreneurship	Sept. 5 – Dec. 5
		Overview of Medical Imaging	Sept. 18 – Oct. 30
		Ultrasound Overview	Jan. 10 – Feb. 28
<b>PROJECTED COURSE MODULES*</b> 2020 - 2021			
<b>Mandatory Modules</b>			
Introductory Biostatistics			
Scientific Exposition and Ethics			
<b>BIOLOGY</b>	<b>DATES</b>	<b>PHYSICS</b>	<b>DATES</b>
Cell Signaling & Metabolism		Advanced Magnetic Resonance Imaging	
Clinical & Experimental Radiobiology I & II		Advanced Ultrasound	
Experimental Models for Cancer Research		Biological Imaging	
Predictive Oncology & Therapeutics		Biophysics of Focused Ultrasound, Thermal Biophysics	
Quantitative Cancer Genomics		Cell and Molecular Biology for Physicists	
Structural Biology & Proteomics		Introduction to Bio-Microscopies	
		Introduction to Biophotonics	
		Magnetic Resonance Imaging - Overview	
		Medical Device Commercialization Essentials	
		Medical Device Innovation and Entrepreneurship	
		Nanotechnology for Medicine	
		Overview of Medical Imaging	
		Ultrasound Overview	

**\*Note:** *This document was last updated on August 26, 2019. Some information may have been altered since that time. To download the most up-to-date version, please visit: <https://medbio.utoronto.ca/handbook>*