

## Appendix A

<b>COURSE MODULES</b>			
2022 – 2023			
Course modules schedules can also be reviewed on the MBP calendar at <a href="https://medbio.utoronto.ca/mbp-calendar">https://medbio.utoronto.ca/mbp-calendar</a>			
<b>Mandatory Modules</b>			
MBP 1201H - Introductory Biostatistics (0.25 credits)	Sept 9 – Nov 1		
MBP 1200H - Scientific Exposition and Ethics (0.25 credits)	Sept 14 – Nov 23		
<b>BIOLOGY</b>	<b>DATES</b>	<b>PHYSICS</b>	<b>DATES</b>
MBP 1303H - Cell Signaling & Metabolism (0.25 credits)	Sept 15 – Oct 27	MBP 1400H - Advanced Magnetic Resonance Imaging (0.25 credits)	Mar 1 – Apr 12
BCH 2138H – Advanced Electron Microscopy (0.25 credits)	Oct 4 – Nov 15	MBP 1404H - Basics of Cellular and Molecular Biology (0.25 credits)	Mar 2 – Apr 13
MBP 1305H - Experimental Models for Cancer Research (0.25 credits)	Nov 3 – Dec 15	MBP 1402H - Biological Imaging (0.25 credits)	Mar 6 – Apr 17
MBP 1304H - Predictive Oncology & Therapeutics (0.25 credits)	Mar 6 – Apr 17	MBP 1413H – Biomedical Applications of Artificial Intelligence	Jan 12 – Feb 23
MBP 1300H - Quantitative Cancer Genomics (0.25 credits)	Sept 15 – Oct 27	MBP 1403H - Biophysics of Focused Ultrasound (0.25 credits)	Oct 31 – Dec 20
MBP 1301H - Radiation Oncology: Clinical & Experimental Radiobiology (0.5 Credits)	Apr 24 – Apr 28	MBP 1023H – Clinical Radiation Physics and Dosimetry (0.5 credits)	Jan 9 – May 8
MBP 1302H - Structural Biology & Proteomics (0.25 credits)	Mar 2 – Apr 13	MBP 1405H - Introduction to Bio-Microscopies (0.25 credits)	Jan 10 – Feb 21
		MBP 1406H - Introduction to Biophotonics (0.25 credits)	Feb 3 – Mar 31
		MBP 1417H - Introduction to Health Physics (0.25 credits)	Feb 6 – Mar 13
		MBP 1407H - Magnetic Resonance Imaging – Overview (0.25 credits)	Oct 31 – Dec 19
		MBP 1408H - Medical Device Commercialization Essentials (0.25 credits)	Jan 4 – Apr 13
		MBP 1409H - Medical Device Innovation and Entrepreneurship (0.25 credits)	Jan 12– Apr 13
		MBP 1410H - Nanotechnology for Medicine (0.25 credits)	Jan 11 – Feb 22
		MBP 1411H - Overview of Medical Imaging (0.25 credits)	Sept 14 – Nov 7
		MBP 1412H - Ultrasound Overview (0.25 credits)	Jan 9 – Mar 7

## PROJECTED COURSE MODULES\*

2023 - 2024

<b>Mandatory Modules</b>			
MBP 1201H - Introductory Biostatistics			
MBP 1200H - Scientific Exposition and Ethics			
<b>BIOLOGY</b>	<b>DATES</b>	<b>PHYSICS</b>	<b>DATES</b>
BCH 2138H – Advanced Electron Microscopy (0.25 credits)			
MBP 1306H - Cancer Epigenetics (0.25 credits)		MBP 1416H - Anatomy & Physiology (0.5 credits)	
MBP 1307H - Development, Stem Cells & Cancer (0.25 credits)		MBP 1401H - Advanced Ultrasound (0.25 credits)	
MBP 1300H - Quantitative Cancer Genomics (0.25 credits)		MBP 1404H - Basics of Cellular and Molecular Biology (0.25 credits)	
MBP 1308H - Radiation Biology & DNA Repair (0.25 credits)		MBP 1413H - Biomedical Applications of Artificial Intelligence	
MBP 1301H - Radiation Oncology: Clinical & Experimental Radiobiology (0.5 Credits)		MBP 1403H - Biophysics of Focused Ultrasound, Thermal Biophysics (0.25 credits)	
MBP 1311H - Tumor Microenvironment (0.25 credits)		MBP 1405H - Introduction to Bio-Microscopies (0.25 credits)	
		MBP 1406H - Introduction to Biophotonics (0.25 credits)	
		MBP 1407H - Magnetic Resonance Imaging – Overview (0.25 credits)	
		MBP 1408H - Medical Device Commercialization Essentials (0.25 credits)	
		MBP 1409H - Medical Device Innovation and Entrepreneurship (0.25 credits)	
		MBP 1411H - Overview of Medical Imaging (0.25 credits)	
		MBP 1415H - Radiotherapy Physics (0.25 credits)	
		MBP 1412H - Ultrasound Overview (0.25 credits)	

**\*Note:** This document was last updated on August 12, 2022. Some information may have been altered since that time. To download the most up-to-date version, please visit: <https://medbio.utoronto.ca/handbook>