



**Phase I Foundation Course June 2019 Program**

<b>Thursday 20 June 2019</b>		
<b>Time</b>	<b>Details</b>	<b>Presenter</b>
<b>12.00 – 12.30pm</b>	<b>Welcome Lunch</b>	
12.30 – 12.45pm	Welcome	Claire Hardie
12.45 – 1.30pm	Where do photons (and electrons) come from?	Ash Cullen
1.30 – 2.15pm	How do photons and electrons interact with matter	Ash Cullen
<b>2.15 – 2.30pm</b>	<b>Afternoon Tea</b>	
2.30 – 3.30pm	Characteristics of kV, MV and MeV beams	Chris Lee
3.30 – 4.15pm	Explaining photon and electron interactions and characteristics of photon and electron beams in a radiation therapy context	Chris Lee
4.15 - 5pm	Practical applications of the interactions and characteristics of photons and electrons in an imaging context	Jonathan Sykes
<b>5pm</b>	<b>Course Networking Cocktail Reception</b>	

<b>Friday 21 June 2019</b>		
<b>Time</b>	<b>Details</b>	<b>Presenter</b>
8 – 9am	Practical applications photon and electron interactions and imaging in radiation planning and treatment	Brianna Minns
9 - 10am	Introduction to brachytherapy: properties of sealed sources, dose rates, dose distributions and delivery techniques	Annette Haworth
<b>10 – 10.15am</b>	<b>Morning Tea</b>	
10.15am – 12.15pm	Combined physics practical session	Chris Lee Jonathan Sykes Jason Morton Brianna Minns Ash Cullen
<b>12.15 - 1pm</b>	<b>Lunch (all sessions after lunch combined with pre-exam course)</b>	
1 – 1.30pm	Anatomy for radiation oncologists	Claire Hardie Carminia Lapuz
1.30 – 2.15pm	Mechanisms of cell death	Harriet Gee
<b>2.15 – 2.30pm</b>	<b>Afternoon Tea</b>	
2.30 – 3.15pm	Angiogenesis, metastatic cascade and tumour immunology (Curr ref 3.6, 3.7)	Harriet Gee
3.15 – 4pm	Normal cell structure, DNA replication, Cell cycle and its physiological controls (Curr ref 2.4, 2.7, 2.8)	Radek Szmyd
4 – 5pm	DNA damage and repair mechanisms (Curr ref 5.3, 5.4, 5.5, 5.7, 5.8, 5.9, 6)	Radek Szmyd



# The Royal Australian and New Zealand College of Radiologists®

## The Faculty of Radiation Oncology

Saturday 22 June 2019		
Time	Details	Presenter
8 - 10am	Combined anatomy practical session	Claire Hardie Carminia Lapuz Andrew Potter Apsara Windsor Eric Hau Sean Brennan Viet Do
<b>10 – 10.30am</b>	<b>Morning Tea</b>	
10.30am – 12.30pm	CT cross-sectional anatomy	Robin Cassumbhoy
<b>12.30 – 1.30pm</b>	<b>Lunch</b>	
1.30 – 2.30pm	Quantifying cell survival after radiation therapy, dose rate effects on cell survival and the LQ formula (Curr ref 7.1.- 7.4)	Eric Hau
2.30 – 3.30pm	Fractionation and the 5 Rs (Curr ref 8.1, 8.2, 9.1, 9.2)	Andrew Potter
<b>3.30 – 3.45pm</b>	<b>Afternoon Tea</b>	
3.45 – 4.30pm	Clinical side effects of radiation therapy and their quantification	Andrew Potter

Sunday 23 June 2019		
Time	Details	Presenter
8.30 – 9.15am	Exam structure	Carminia Lapuz
9.15 – 9.45am	How to answer exam questions	Carminia Lapuz Claire Hardie
9.45 – 10.30am	TIMS and assessments	Julia Snedic Claire Hardie
10.30 – 11am	Trainee perspective on exams	Gabi Metz
<b>11 – 11.15am</b>	<b>Morning Tea</b>	
11.15am – 12.15pm	Mock exam marking (joint session)	Carminia Lapuz Claire Hardie
12.15 – 12.30pm	Wrap up and feedback	Claire Hardie Carminia Lapuz
<b>12.30pm</b>	<b>Lunch</b>	