

## Module Specification

### Module Summary Information

<b>1</b>	<b>Module Title</b>	Applied Cancer Biology
<b>2</b>	<b>Module Credits</b>	20
<b>3</b>	<b>Module Level</b>	LEVEL 6
<b>4</b>	<b>Module Code</b>	LBR6671
<b>5</b>	<b>Semester Taught</b>	1

<b>6</b>	<b>Module Overview</b>
<p>This module is designed for health care practitioners who wish to expand their knowledge on the biology of Cancer and apply this to a case study from presentation through to diagnosis.</p> <p>It is vital that those who work with patients with cancer are supported with appropriate education and reflective practice, to drive up the quality of care for these patients. This module provides you with the opportunity to learn about the principles of Cancer biology by applying it to a specific malignant condition.</p> <p>By being able to understand this better, it will lead to:</p> <ul style="list-style-type: none"> <li>• Advising patients appropriately</li> <li>• Enable improved evidence-based discussions and practice</li> <li>• Allow Cancer pathways to be redesigned and patients' care to be tailored to their health requirements.</li> </ul> <p>This module can also be studied as a standalone module. This module is delivered completely online incorporating course teaching material and a variety of learning activities, such as online lectures, forums, quizzes and workshops. You are expected to participate and engage with the module material which is available on the module MOODLE site. The module assessment is an in-person presentation. Tutorial support will be offered via video tutorials, chat forums, email and telephone.</p> <p>This module aligns with the Professional Practice Programme philosophy and is designed to be flexible, and practice led. You will have the opportunity to develop skills of enquiry, reflection and problem solving. A blended learning approach is taken in line with the University's learning and teaching strategy. You will be encouraged to think critically and share practice experiences with your fellow students, as well as engaging in both directed and self-directed learning activities. You will be an active partner in your own learning and development and in return you will receive regular feedback and feedforward aimed at developing your academic skills and have the opportunity to discuss your progress with the module team.</p>	

<b>7</b>	<b>Indicative Content</b>
<ul style="list-style-type: none"> <li>• Normal cell biology</li> <li>• Haemopoiesis and haematology physiology</li> <li>• Principles of cancer initiation</li> <li>• Principles of cancer progression</li> <li>• Principles of cancer genetics</li> <li>• Principles of screening for cancer</li> <li>• Principles of tumour markers</li> <li>• Epidemiology and aetiology of cancer</li> <li>• Principles of cancer prevention and early detection strategies.</li> </ul>	

8		Module Learning Outcomes
<b>On successful completion of the module, students will be able to:</b>		
1	Utilising academic skills, retrieve and apply appropriate evidence to demonstrate critical arguments required at level 6.	
2	Interpret the normal cell biology and the principles of Cancer initiation and progression.	
3	Apply cancer biology principles and pathophysiology to the diagnostic pathway.	
4	Critically analyse current cancer prevention measures and early diagnosis strategies.	

9				Module Assessment
Learning Outcome Number	Coursework	Exam	In-Person	
1-4			100%	

10			Breakdown Learning and Teaching Activities
Learning Activities	Hours	Details of Duration, Frequency and other comments	
<b>Scheduled Learning (SL)</b> includes lectures, practical classes and workshops as specified in timetable	30	<u>These timings are approximate.</u>  Online induction to module activities: 4 x 0.5hr Online lectures: 8 x 1.5hr, 3 x 0.5 hr Online activities: Quizzes 5 x 0.5 hr, activities 2 x 1.5hr Online seminars: 5 x 1hr Reading activities: 4 x 0.5 hr Tutorial 1 x 1hr	
<b>Private Study (PS)</b> includes preparation for exams	170	<u>These timings are approximate, and the frequency will be dictated by the student.</u>  Searching literature 50hr Reading literature 50hr Note taking 50hr Preparing for and developing assessment presentation. 18hr Recording presentation 1 x 1hr Tutorial 1 x 1hr	
<b>Total Study Hours:</b>	200		

11		Key Texts and Online Learning Resources
Local healthcare institution policies and guidance		
Government Papers		
Stubbs, M and Suleyman, N. (2015) <i>Cell biology and Genetics</i> . 4 <sup>th</sup> ed. St. Louis: Mosby.		

Tadman, M, Roberts, D, and Foulkes, M. (2019) *Oxford Handbook of Cancer Nursing*. Oxford: Oxford University Press.

Weinberg, R.A. (2014) *The Biology of Cancer*. 2<sup>nd</sup> ed. New York: Garland Science.

Yarbro C.H, Wujcik, D, and Gobel, B.H. (2018) *Cancer Nursing: Principles and Practice*. 8<sup>th</sup> ed. Burlington: Jones and Bartlett Learning.