

Module Details	
Module Title	Cancer Pharmacology
Module Code	INC7003-B
Academic Year	2020/1
Credits	20
School	School of Pharmacy and Medical Sciences
Subject Area	Cancer Therapeutics
FHEQ Level	FHEQ Level 7
Pre-requisites	N/A
Co-requisites	N/A

Contact Hours	
Type	Hours
Tutorials	6
Lectures	24
Directed Study	170

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 2
BDA	University of Bradford / Semester 3

Module Aims
To develop a critical evaluative understanding of the role that cancer pharmacology plays in the development and evaluation of anti-cancer drugs in both the pre-clinical and clinical settings. Emphasis will be placed on emerging concepts that reflect the changing nature of modern drug development. The student led target evaluation exercise in the Molecular Basis of Cancer & Cancer Therapy will be extended through the evaluation of therapeutic strategies employed against these targets.

Outline Syllabus

This module will cover the role played by the cancer pharmacologist in the development and evaluation of new anti-cancer drugs with the emphasis placed on modern and emerging approaches that reflect the changing nature of drug development. Topics to be covered include; biochemical and molecular pharmacology in cell free assays, pharmacokinetics and pharmacodynamics, drug delivery issues, combination therapies and drug administration issues, clinical trial design, regulatory issues required for drug registration, good laboratory practice and ethical issues related to human tissue acquisition and tissue banks. Students will also extend their literature searching and written communication skills through the preparation of drug profile reports and oral communication through presentation of a seminar.

Learning Outcomes

Outcome Number	Description
1	Critically evaluate cancer pharmacology in the context of anti-cancer drug development.
2	Critically evaluate how drugs work and are metabolised
3	Prepare for oral presentations of research papers, collate material for a written report. Develop generic literature skills for life-long learning (literature & databases).

Learning, Teaching and Assessment Strategy

N/A

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Examination - Closed Book	Examination (two essays to be answered from a choice of 5)	2 hour	50%
Summative	Coursework	A drug/drugs profile written report 0-3000 words	N/A	25%
Summative	Other form of assessment	Journal Club Exercise	N/A	25%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.