

Critical Appraisal of a Current Topic in Cancer Therapeutics and Toxicology

Module Code:	INC7017-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Pharmacy and Medical Sciences
Subject Area:	Cancer Therapeutics
FHEQ Level:	FHEQ Level 7 (Masters)

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	3
Tutorials	15
Directed Study	182

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Academic Year (Sept - May)

Module Aims

To provide the opportunity for students to:

- Autonomously plan, undertake and report, orally and in writing, a comprehensive analysis of a topic at the forefront of cancer pharmacology, drug toxicology and safety pharmacology, or cancer drug discovery.
- Develop a critical awareness and a comprehensive understanding of research being undertaken by other scientists in a specific topic.

Outline Syllabus

Introduction to critical appraisal. Introduction to self-appraisal, skills audits/training needs analysis, approaches to skills development and reflective practice. Introduction to the library, literature searching, Turnitin and plagiarism awareness, preparing libraries and bibliographies using Endnote.

Independent study supported by an individual academic supervisor to conduct research on your selected topic. Presentation of a seminar, attend seminars presented by other students and contribute in the form of questions and discussion.

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1 Plan and implement autonomously a critical appraisal of a selected area of previously reported research.
- 2 Explain and critically evaluate specialist subject areas.
- 3 Critically evaluate and communicate scientific data and literature.
- 4 Engage in reflective practice for professional development.
- 5 Critically assess literature in your chosen MSc area.
- 6 Understand research and scientific methods.
- 7 Produce an extended piece of scientific writing in the format of a review article.
- 8 Develop literature searching skills using electronic media sources.
- 9 Develop an IT strategy to organise and manage an extensive literature search at the forefront of knowledge.
- 10 Develop and evaluate a strategy to communicate in writing and orally your critical appraisal.
- 11 Develop, review and revise approaches to monitor and critically reflect on progress, by undertaking project planning and skills analysis.
- 12 Demonstrate time management.
- 13 Work co-operatively with a supervisor to plan work, agree objectives and responsibilities.
- 14 Demonstrate critical thinking and analytical skills.
- 15 Demonstrate effective written and oral communication skills to produce an extended essay and oral presentation; Contribute to discussions on presentations.

Learning, Teaching and Assessment Strategy

Each student will choose a topic of interest relevant to their selected MSc pathway from an extended list at the beginning of Semester 1, then plan, undertake and report on this topic. The emphasis is on developing learner autonomy as students conduct individual research

consulting and reviewing recent papers in the scientific literature, supported by an academic member of staff who acts as a supervisor for their topic providing guidance and advice on the research area through 1-1 tutorials.

Introductory lectures and library sessions at the beginning of the module introduce the research and IT skills required to complete the learning outcomes. The concept of critical appraisal is extended to self-appraisal to support students in identifying their strengths and weaknesses in personal transferable skills and developing them through the module.

Students will further be encouraged by academic supervisors and PATs to continue this approach through the year. At the end of semester 1 each student will submit a detailed plan/outline draft, skills analysis and log tracking progress towards skills goals. This will be assessed and feedback given. A full draft of the essay will be produced in the middle of Semester 2 for formative feedback before summative assessment of the essay at the end of the module. Students will also have the opportunity to receive formative feedback on their presentation before summative assessment at the end of the module.

Learning outcomes 1-3, 5-10, and 12-15 are assessed via an essay and presentation.

Learning outcomes 4 and 11 are assessed by a short written portfolio submitted at the end of semester 1.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Presentation	Seminar of the topic	15 minutes	10%	Yes
Summative	Coursework	Semester 1 portfolio (essay plan, skills audit, learning log)	0-1000 words	10%	No
Summative	Coursework	Critical essay	0-5000 words	80%	No

Legacy Code (if applicable)

Reading List

To view Reading List, please go to [rebus:list](#).