

Critical Appraisal of a Current Topic in Regenerative Medicine

Module Code:	BIS7010-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Chemistry and Biosciences
Subject Area:	Biomedical Science
FHEQ Level:	FHEQ Level 7 (Masters)

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Tutorials	15
Directed Study	185

Availability Periods

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

Module Aims

To develop a critical awareness and a comprehensive understanding of scientific research on a specific topic at the frontiers of regenerative medicine.

To provide students with an opportunity to autonomously plan, undertake and report, orally and in writing, their comprehensive and critical understanding and analysis of an individual topic

Outline Syllabus

The syllabus will be determined by the topic chosen by the student and will therefore be individual to the student. The emphasis is on consulting and reviewing recent papers in the scientific literature. Exercise initiative, personal responsibility and independent learning.

Develop practice through reflection. Work co-operatively with a supervisor to plan work, agree objectives and responsibilities. Contribute to discussions on presentations. Present 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 Explain and critically evaluate specialist subject areas.
- 10 Use TurnItIn to reflect on your writing style in terms of originality.
- 11 Undertake project planning to review and revise approaches to monitor and critically reflect on progress, to implement a plan for the critical appraisal report.
- 2 Critically evaluate and communicate scientific data and literature.
- 3 Critically evaluate experimental laboratory techniques.
- 4 Critically assess literature in specialist subject areas.
- 5 Understand research and scientific methods.
- 6 Undertake critical thinking.
- 7 Demonstrate effective written and oral communication skills to produce an extended essay/report.
- 8 Develop an IT strategy to organise and manage an extensive literature search at the forefront of knowledge.
- 9 Develop an IT strategy to communicate in writing and orally your critical appraisal topic.

Learning, Teaching and Assessment Strategy

Each student will choose an individual topic of interest from an extended list in Semester 1, then plan, undertake and report on this topic. An academic member of staff will act as a supervisor for their topic providing guidance and advice on the research area, and on the preparation for the critical appraisal. Each student will produce a detailed Plan before the end of Semester 1 to ensure they are on the correct lines. This will be assessed and feedback given. A draft of the essay will be submitted in middle of Semester 2 for formative feedback before summative assessment of the essay towards the end of the module.

Students will be encouraged to submit their draft to TurnItIn for formative assessment of its originality relative to published work. Prior to submitting the final essay the student will present a 15 min PowerPoint presentation on the topic to their supervisor and peers and answer questions from the audience. As well as providing an opportunity to develop their scientific communication skills this will also enable minor amendments to their essay as a result of feedback. The approach to critical appraisal essays and organisation of an extended literature search is the subject of several tutorials and a workshop and the

remaining directed Seminars/Tutorials involve attendance at meetings with their supervisor and at presentations by their peers which will give them understanding of additional aspects of regenerative medicine.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Presentation	A 15 minute seminar presentation on the topic with 5 minutes answering questions from the audience	20 minutes	20%	No
Summative	Coursework	A critical essay of less than 4,000 words	-4000 words	80%	Yes

Legacy Code (if applicable)

BM-7007L

Reading List

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