

Liverpool John Moores University

Title: Designing a Science Curriculum for the 21st Century
Status: Definitive
Code: **7031AEPMA** (119528)
Version Start Date: 01-08-2019
Owning School/Faculty: Education
Teaching School/Faculty: Education

Team	Leader
Kenneth Clays	Y
Andrea Mallaburn	
Rick Tynan	

Academic Level: FHEQ7 **Credit Value:** 20 **Total Delivered Hours:** 22
Total Learning Hours: 200 **Private Study:** 178

Delivery Options

Course typically offered: Non Standard Year Long

Component	Contact Hours
Lecture	22

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	Essay		50	
Artefacts	Poster		50	

Aims

Develop critical awareness and understanding of models of science curriculum development

Learning Outcomes

After completing the module the student should be able to:

- 1 Articulate a personal philosophy of science education through critical engagement with science curriculum design
- 2 Critically analyse and synthesise research findings and other evidence about science curriculum models
- 3 Reflect on and evaluate the impact of your learning on professional practice, sharing knowledge in an appropriate way
- 4 Display knowledge and critical understanding of key theoretical framework and concepts in science curriculum design

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Essay	1	2	3
Poster	4		

Outline Syllabus

Curriculum change: the rise and development of science in the National Curriculum
Separate v balanced sciences
The place of scientific enquiry
Approaches to curriculum development
Consideration of 'academic' and 'vocational' curricula
Influences on the curriculum (intrinsic and extrinsic)

Learning Activities

Sessions will be participatory, including seminars, tutorials, workshops, Blackboard-based resources and practical activities. Assessment will support students to examine critically issues in teaching and learning and the effect on professional practice

Notes

Sessions will be varied in nature and students are expected to play a full part in all sessions