

## Liverpool John Moores University

Title: SEQUENCING AND PROGRAMMING  
Status: Definitive  
Code: **35017LPAFA** (116356)  
Version Start Date: 01-08-2014

Owning School/Faculty: Engineering  
Teaching School/Faculty: Liverpool Institute for Performing Arts

Team	Leader
Karl Jones	

**Academic Level:** FHEQ3  
**Credit Value:** 12.00  
**Total Delivered Hours:** 30.00  
**Total Learning Hours:** 120  
**Private Study:** 90

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	12.000
Workshop	18.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Test	Coursework	Operational Test	40.0	
Presentation	Test	Practical Production Task	60.0	

### Aims

*This module aims to equip students with a working knowledge of desktop based audio production systems as a tool for composition and production.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Use a variety of industry standard software packages efficiently and competently;
- 2 Identify appropriate technical methodologies to meet specific production aims;
- 3 Demonstrate an understanding of basic synthesis and sampling techniques to edit and creatively alter sound;
- 4 Create a musical production within the desktop environment employing sequencing, sampling and synthesis techniques.

### **Learning Outcomes of Assessments**

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

Coursework	2	3	4
Test	1		

### **Outline Syllabus**

*Lectures and workshops will include:*

*Function and operation of a typical sequencing package; theory and practice of subtractive synthesis; function and operation of software samplers and synthesisers; introduction to sampling theory; inter-application communication and interchange; programming approaches for specific musical genres.*

### **Learning Activities**

Teaching comprises weekly lectures/demonstrations covering key concepts and ideas, which are followed by small group workshop sessions where these are put into practice at individual computer workstations. The use of structured worksheets in these sessions will ensure that students have the opportunity to continually monitor and evaluate their own progress.

Students will also produce an individual piece of practical work that employs the range of techniques and ideas taught. They will submit this to the tutor who will have seen the particular approaches they have taken in the workshops.

### **Notes**

.