

<b>Full Title:</b>	Recording Elect. and Aco. Instruments
<b>Module Code:</b>	MUSC U7013
<b>Credits:</b>	5
<b>Valid From:</b>	Semester 1 - 2009/10 ( September 2009 )
<b>Module Delivered in</b>	<a href="#">1 programme(s)</a>
<b>Module Description:</b>	The aim of this module is to broaden the student's sound engineering experience through the recording and subsequent sample generation of a diverse range of instruments both electric and acoustic, covering Woodwind, Brass, Stringed and percussion categories.
<b>Learning Outcomes:</b>	
<i>On successful completion of this module the learner should be able to</i>	
<ol style="list-style-type: none"> <li>1. Specify particular types, positions and configurations of microphones best suited to the recording of string, wind, electric and percussive type instruments.</li> <li>2. Perform effective recordings from the categories of string, wind, brass, electric and percussive instruments.</li> <li>3. Generate an organised collection of instrument sound samples covering a selection from the categories of amplified electric, string, wind, brass and percussive.</li> </ol>	

**Module Content & Assessment**

Indicative Content
<b>Orchestral String, Wind and Brass instruments</b> Recording individual instruments using single and multiple microphone techniques.
<b>Acoustic Guitars</b> Recording 6 string and 12 string acoustic guitars with both single and multiple microphone techniques.
<b>Electric Guitars and Basses</b> The guitar/amplifier combination, speaker cabinet configuration and microphone selection and placement issues, D.I., intonation, processing at point of recording.
<b>Percussive instruments</b> Recording a variety of harmonic and in-harmonic percussive instruments.
<b>Pianos</b> Recording acoustic pianos using a range of microphone placement techniques.
<b>Sample Library generation</b> Auditioning the raw recordings for sample selection, Sample Creation procedure in the DAW, organising and titling consolidated samples.
<b>Recording in the Close, Near and Far fields.</b> Multiple (mono/stereo) microphone placement strategies, consideration of the recording space acoustic characteristics, time alignment issues between spaced microphones.

Assessment Breakdown	%
Course Work	100.00%

**Full Time**

Course Work							
Assessment Type	Assessment Description	Outcome addressed	% of total	Marks Out Of	Pass Marks	Assessment Date	Duration
Project	The generation of a considered, and organised, collection of instrument sound samples covering a selection from the main categories of Amplified Electric, Woodwind, Brass, String and Percussion. The project also includes the recording of these instrument sounds together with a brief 'showcasing' musical passage. A variety of microphone selections and placement techniques are to be explored with each instrument being recording simultaneously in the 'close', 'near' and 'far' fields.	1	80.00	0	0	Week 12	0
Written Report	A formal account of the rationale for the microphone selections, placements and configurations used in the creation of the semester's recordings.	1	20.00	0	0	Week 14	0

No Project

No Practical

No End of Module Formal Examination

**DKIT reserves the right to alter the nature and timings of assessment**

### Module Workload & Resources

**Workload: Full Time**

Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	Main topic delivery.	1.00	Every Week	1.00
Practical	Practical approach to engineering the recording of a series of electric and acoustic instrument types.	2.00	Every Week	2.00
Directed Reading	No Description	3.00	Every Week	3.00
Independent Study	No Description	4.42	Every Week	4.42
Total Weekly Learner Workload				10.42
Total Weekly Contact Hours				3.00

**This course has no Part Time workload.**

### Resources

#### Recommended Book Resources

**D M Huber and R E Runstein 2009, *Modern Recording Techniques*, 7th Ed., Focal Press [ISBN: 9780240810690]**

**B Owsinski 2009, *The Recording Engineer's Handbook*, 2nd Ed., Delmar [ISBN: 9781598638677]**

**B Bartlett and J Bartlett 2007, *Recording Music on Location*, 2nd Ed., Focal Press [ISBN: 9780240808918]**

*This module does not have any article/paper resources*

#### Other Resources

**Website: n/a**  
<http://www.vintagemicrophone.com>

**Website: n/a**  
<http://www.recordingwebsite.com>

**Website: n/a**  
<http://www.m-audio.com>

**Website: n/a**  
<http://www.resolutionmag.com>

**Website: n/a**  
<http://www.tweakheadz.com>

### Module Delivered in

Programme Code	Programme	Semester	Delivery
DK_MMPAR_8	<a href="#">Bachelor of Arts (Hons) in the Production of Music and Audio</a>	3	Mandatory