

Module 05 Music Technology

Stage	1						
Semester	1,2						
Module Title	Music Technology						
Module Number	5						
Module Status	Mandatory						
Module ECTS Credits	5						
Module NFQ level	8						
Pre-Requisite Module Titles	Grade 8 Instrumental Performance Grade 6 Theory						
Co-Requisite Module Titles	1, 2, 3, 4, 6						
Capstone Module?	No						
List of Module Teaching Personnel	Rory Pierce						
Contact Hours				Non-contact Hours			Total Effort (hours)
18				82			100
Lecture	Practical	Tutorial	Seminar	Assignment	Placement	Independent Work	
	18					82	
Allocation of Marks (Within the Module)							
	Assignments	Project	Practical	Final Examination	Total		
Percentage Contribution	60	40			100		

Intended Module Learning Outcomes

On successful completion of this module, the learner will be able to:

1. Creatively and competently employ technology in the music classroom.
2. Use Sibelius to compose, arrange and transcribe various styles of music to a professional publishable standard.
3. Apply a wide range of music technology to instructional activities.

Module Objectives

This module aims to:

- Enable the learner to use Sibelius notation software for transcribing and printing scores and instrumental parts.
- Introduce the learner to the various uses of technology for performing, recording and composing.
- Give the learner a general overview of all aspects of music technology; recording, editing, mixing, sampling, synthesis and MIDI sequencing.
- Equip the student with the necessary skills and know how to employ the latest technology in instructional activities.

Module Curriculum

Sibelius

Using music notation software for transcribing and printing music

Pro-tools & Logic Pro technology

Recording, editing and mixing - technology for the classroom.

Reason technology

Composing through technology – sampling, synthesis, MIDI sequencing.

Module Learning Environment

This is a mac-lab based practical module, with tutor led tutorials. Industry standard versions of Sibelius, Pro-tools, Logic and Reason will be available to the learner. The learning environment is designed to both engage the learners and to encourage their critical thinking.

Module Teaching and Learning Strategy

This module is taught through a combination of formal and participative lectures as well as workshops / tutorials using computer stations in the mac-lab. Group seminar presentations are presented within the class in order to highlight the practical ramifications of the subject matter.

Module Assessment Strategy

This module is assessed by means of two practical assignments (60% of the available marks) one of which will be integrated with the first assignment of module 6, 'Theme and Variations'. There is also one final project account for the remaining 40%; this assessment is integrated with the 3rd assignment for module 6; 'Arrangement/Orchestration'

Element Number	Weighting	Type	Description
1	30%	Practical Assignment	Assignment using Sibelius to assess the learner's ability to employ certain features of the software.
2	30%	Practical Assignment	Assignment using Sibelius to assess the learner's ability to employ certain features of the software. (This assignment is also marked as Module 6: Assignment 1- 'Theme & Variations')
3	40 %	Project	A project to arrange/orchestrate a piano piece for full ensemble, and to transcribe the piece to a publishable level using Sibelius software. (This assignment is also marked as Module 6: Assignment 3 'Arrangement/Orchestration')

Reading lists and other learning materials:

Essential Reading

Humberstone, J., 2013. *Sibelius 7 music notation essentials*, Boston: Cengage Learning.

Strong, J., 2012. *Pro Tools All-in-One for Dummies.*, Hoboken: John Wiley & Sons Inc.

Secondary Reading

Gilreath, P., 2011. *Guide to MIDI orchestration.*, Atlanta: MusicWorks

Manning, P., 2013. *Electronic and computer music*, London: Oxford University Press.

Rumsey, F. & McCormick, T., 2008. *Sound and recording: an introduction*, Amsterdam: Elsevier.