



# Centre for Performing Arts

## Bachelor of Applied Music

### MUS101 Music Industry 1: Technology

Stream:	Core	Subject Co-ordinator:	Tim Opie
Year Level:	One	Telephone:	9286 9661
Points:	6	Email:	t.opie@boxhill.edu.au
Prerequisites:	None	FAX:	9286 9704
Co-Requisites:	None		

Digital Notation Teachers:	Media technology Teachers:	Live Audio & MIDI Sequencing Teachers:
Jonathan Dimond Cathy Connor Al Harding	Rohan Brophy Darren Smith	Ben Wiesner Neil Kennedy Tim Opie

#### General Subject Description

Contemporary music production is exemplified by various applications and practices that are in widespread use in the professional music industry. Knowledge of the capabilities of these applications and an ability to manipulate them is essential for students working in this field. Music Industry 1: Technology is the first in a series of subjects taken by all students in the Bachelor of Applied Music. This subject is designed to equip students with the technological skills expected of those working at a professional level in the music industry today. The skills and knowledge acquired in this subject are crucial to students' success in other subjects.

The subject will cover topics such as digital notation, media technologies, basic audio production and musical sequencing. The classes will be a combination of theory lessons, practical classes and tutorials.

Digital Notation Assessment Details	Relative Weighting	Overall Weighting	Due Date
Notation of a Lead Sheet with Lyrics	30%	7.5%	Week 5
Notation of a Bigband Score	70%	17.5%	Week 13

Media Technologies Assessment Details	Relative Weighting	Overall Weighting	Due Date
Media Assessment 1	50%	12.5%	Week 6
Media Assessment 2	50%	12.5%	Week 12

<b>Live Audio &amp; MIDI Sequencing Assessment Details</b>	<b>Relative Weighting</b>	<b>Overall Weighting</b>	<b>Due Date</b>
Signal flow prac and worksheet	35%	17.5%	Week 4
MIDI Theory test	15%	7.5%	Week 9
MIDI Sequencing Presentation	50%	25%	Week 12

### Weekly Content and Reading/Listening List

<b>Week</b>		<b>Digital Notation: 1 hour per week</b>	<b>Media Technologies: 1 hour per week</b>	<b>Live Audio &amp; MIDI Sequencing: 2 hours per week</b>
<b>1</b>	<b>Content</b>	Orientation: Navigation in Sibelius. Windows and menus. Keystrokes versus the mouse. Input types. Mass selection.	Introduction to the Macintosh: Basic publishing tools	Mixer Setup and Signal Flow
	<b>Reading &amp; Listening</b>			
<b>2</b>	<b>Content</b>	Scoring 4 part rounds SATB. Setting a template.	Basic publishing tools	Microphone Techniques
	<b>Reading &amp; Listening</b>			
<b>3</b>	<b>Content</b>	Adding lyrics (including correct hyphenation) and chord symbols	Basic publishing tools	Effects and EQ
	<b>Reading &amp; Listening</b>			
<b>4</b>	<b>Content</b>	Layouts (document setup, note spacing, staff spacing, attachment lines, metronome markings)	Basic publishing tools	In Class assessment on Signal Flow.
	<b>Reading &amp; Listening</b>			
<b>5</b>	<b>Content</b>	In class Assessment task 1 (30%) Notation of a lead sheet with lyrics	Introduction to Web Design	Introduction to Sequencing: Selecting Instruments, creating tracks, and arrangement.
	<b>Reading &amp; Listening</b>			
<b>6</b>	<b>Content</b>	Working with multiple instruments - String quartets (2 violins, viola, cello)	Web Design and Online Media Publishing	Editing Sequences
	<b>Reading &amp; Listening</b>			

7	<b>Content</b>	Adding expression, technique and articulation markings. Conventions pertaining to abbreviations and languages. (Still working with string quartet)	Web Design and Online Media Publishing	Importing Audio and editing Audio
	<b>Reading Listening</b>			
8	<b>Content</b>	Transposition (no computers)	Web Design and Online Media Publishing	MIDI Theory
	<b>Reading Listening</b>			
9	<b>Content</b>	Woodwind Quintets (flute, oboe, clarinet, French horn, bassoon)	Web Design and Online Media Publishing	More MIDI Theory and in class MIDI Assessment
	<b>Reading Listening</b>			
10	<b>Content</b>	Brass Quintet (2 Trumpets, French Horn, Trombone, Tuba)	Web Design and Online Media Publishing	Adding effects to MIDI and Audio
	<b>Reading Listening</b>			
11	<b>Content</b>	Tutorial on Big Band scoring	Web Design and Online Media Publishing	Basic Digital Mixing and Bouncing
	<b>Reading Listening</b>			
12	<b>Content</b>	Tutorial on Big Band scoring	Web Design and Online Media Publishing	MIDI Presentation
	<b>Reading Listening</b>			

## References and Resources

Prescribed and recommended readings:

Cleveland, Barry. Creative Music Production: Joe Meek's Bold Techniques, 2001.  
"Computer Music." Make Music Now Future Music Magazine 2006.

Cope, D Computer Models Of Musical Creativity Cambridge, Ma MIT Press 2005.

Cunningham, M. Good Vibrations: A History of Record Production. 2nd. Ed. Sanctuary Publishing, 1998.

Keislar, D. (Ed). Computer Music Journal. Cambridge, Ma MIT Press 1997-2009.

Landy, L. (Ed). Organised Sound: An International Journal Of Music Technology. Cambridge University Press. 1996-2009.

Massey, H. *Behind The Glass: Top Record Producers Tell How They Craft The Hits*. Miller Freeman Books, 2000.

Roads, C *The Computer Music Tutorial*. Cambridge, Ma MIT Press 1995.

Rowe, R. *Machine Musicianship*. Cambridge, Ma MIT Press 2001.

Wishart, T. *On Sonic Art* New York Imagineering Press 1985.

Sibelius: <http://www.sibelius.com>

Logic Pro: <http://www.apple.com/logicpro> .

Mac Music: <http://www.macmusic.org/articles> .

What is MIDI?: <http://www.borg.com/~jglatt/tutr/whatmidi.htm> .

The MIDI Specification: <http://www.midi.org/about-midi/spechome.shtml>.

### **Useful Links**

Refer to *Student Handbook 2008* for information on academic procedures and grading criteria. The following are useful links to the Box Hill Institute [Whitehorse Library](#).

- [Finding and using information](#)
  - [Research Guides](#)
  - [Research skills](#)
  - [Study skills](#)
  - [Using the Internet](#)
  - [Referencing](#)
  - [Copyright](#)
  - [Plagiarism](#)
  - [Using other libraries](#)
  - [Getting help](#)
  - [Library Skills in Music](#)