MUSI10004 Computing for Musicians

Credit Points:	6.25
Level:	1 (Undergraduate)
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 1 one-hour seminar per week Total Time Commitment: 60 hours
Prerequisites:	None
Corequisites:	N/A
Recommended Background Knowledge:	N/A
Non Allowed Subjects:	N/A
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability will impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and the Disability Liaison Unit.
Coordinator:	Mr David Collins
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Subject Overview:	Students will acquire basic skills in the use of computers for music notation, composition and music education, and learn the fundamentals of MIDI (Musical Instrument Digital Interface).
Learning Outcomes:	On completion of this subject, students should be able to: # use notation software to enter, layout and edit music in a variety of formats, including music scored for multiple instruments, keyboard instruments, vocal parts # produce scores and players' parts that are accurate and legible # export graphics from notation software and incorporate them into other types of document, such as a word-processing file, presentation or web page # produce audio and MIDI versions of their score # understand the nature of difficulties encountered when transcribing real-time performances into usable notation, and of the issues involved in using combined sequencing/notation environments # demonstrate practical skills in using MIDI and sequencing software. In particular, students should be able to: # set up a simple MIDI system for classroom or performance use # understand the purpose of the commonly-used MIDI message types # use sequencing software to produce an arrangement with musical control of structure, dynamics, phrasing, and instrumentation.

Assessment:	Two notation exercises due as assigned during the semester (10% each); a 10-minute class presentation and 500 word written summary (25%); an ensemble scoring project of approximately 30 bars, minimum 4 staves (30%); a MIDI sequencing project of 1 minute duration, 4-track minimum, due at the end of semester (25%).
Prescribed Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	On completion of this subject students should be able to: # self-direct their learning of complex software packages through the use of computer-based and online resources # negotiate around the common design constraints of music software, in order to advance the musical aims of the project at hand # approach the learning of new technologies with a positive, explorative attitude.
Related Majors/Minors/ Specialisations:	Applied Skills Electives Graduate Diploma and Certificate Elective subjects