VICTORIA
UNIVERSITY OF WELLINGTON

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

Te Kōkī New Zealand School of Music

CMPO 181 *Introduction to Music Technology*
15 POINTS

TRIMESTER 1 2016

Key dates

Trimester dates: 29 February to 29 June 2016

Teaching dates: 29 February to 5 June 2016

Easter break: 24 to 30 March 2016

Mid-trimester break: 25 April to 1 May 2016

Last assessment item due: 13 June 2016

Study period: 6 to 9 June 2016

Examination/Assessment Period: 10 to 29 June 2016

Withdrawal dates: Refer to www.victoria.ac.nz/students/study/withdrawals-refunds.

If you cannot complete an assignment or sit a test in the last three weeks of teaching, or an examination, it may be possible to apply for an aegrotat (refer to www.victoria.ac.nz/students/study/exams/aegrotats).

Class times and locations

Monday, 10:00am–11:50am (Room AM102/AM104)
Wednesday, 11:00am–11:50am (Room AM102/AM104)

Seminar sessions commence in the second week of the trimester. All announcements pertaining to seminar sessions will be made in lectures, and will also be posted to Blackboard.

While not a mandatory requirement for this course, it is strongly recommended that you attend the NZSM Composer Workshop that runs during the trimester, from 3:10pm to 4:30pm on Wednesdays, in the Adam Concert Room. The workshop is attended by composition staff and students (from first-year up to doctoral), and includes presentations/workshops from staff and invited guests, as well as performances and presentations from students.

Names and contact details

Course Coordinator: Jim Murphy

Contact phone: 463 9562   **Email:**   jim.murphy@vuw.ac.nz

Office located at: Room 202, 92 Fairlie Tce, Kelburn Campus

Office hours: Monday, 12:30pm–1:30pm

Tutors: To be determined prior to the second week of lectures; a Blackboard course announcement will be made with tutor contact details.

Programme Administrator: Fiona Steedman   **Email:**   fiona.steedman@vuw.ac.nz

Communication of additional information

Official notices issued after the course has commenced will be posted on the board outside the NZSM office on the Kelburn Campus. Notices concerning a number of courses will also be posted on Blackboard. The Course Coordinator will specify if Blackboard will be used.

Prescription

An introduction to key aspects of acoustics and music technology.

Course content

Please see the course syllabus (available on the course's Blackboard page) for a lecture-by-lecture breakdown of the course content.

Course learning objectives (CLOs)

A student successfully completing this course will be able to:
1. demonstrate an understanding of basic recording techniques
2. demonstrate the ability to use digital audio workstation (DAW) software for the purpose of manipulating both MIDI and audio data
3. demonstrate an understanding of simple computer music programming principles
4. demonstrate an understanding of basic acoustic principles.

These learning objectives contribute to the NZSM Graduate Attributes. For a full list, please see www.nzsm.ac.nz/study-careers/graduate-attributes

Teaching format

This course comprises one 2-hour lecture and one 1-hour lecture per week. During the second hour of the Monday lecture time, there will be small-group seminar sessions led by graduate tutors.

See attached course syllabus for more information.

Workload

A 15-point one-trimester course should require at least 150 hours' work (including class time). This means that during the trimester, the mid-trimester break and study week you should be prepared to spend, on average, 10 hours per week involved in activities such as attending classes, reading, listening to recommended recordings and preparing assignments.

Assessment

Assessment items and workload per item		%	CLO(s)	Due date
1	Minor Assignment 1: Musical instrument project. 1000-word report with accompanying images/diagrams.	10%	1, 4	23 March 2016
2	Minor Assignment 2: Microphone project. 500-word report with accompanying images/diagrams and a 1-minute (maximum) audio recording.	10%	1, 2, 4	15 April 2016
3	Minor Assignment 3: DAW and Audio Effects project. 250-word report with accompanying images/diagrams and a 2-minute (maximum) audio recording.	10%	1, 2, 4	6 May 2016

CMPO 181 Course Outline 2016

4	Minor Assignment 4: Synthesizer project. 250-word report with accompanying images/diagrams and a 2-minute (maximum) audio recording.	10%	1–4	13 May 2016
5	Minor Assignment 5: Computer Music Programming project. 250-word report with accompanying images/diagrams in addition to computer code.	10%	3, 4	27 May 2016
6	Test 1: 2-hour in-class test. Closed book.	15%	1, 4	4 April 2016
7	Test 2: 2-hour in-class test. Closed book.	15%	1–4	30 May 2016
8	Final Project: 500-word report in addition to a 3–5 minute audio file.	20%	1–4	13 June 2016

Submission and return of work

Assignments should be submitted electronically via Blackboard or deposited in Jim Murphy's mailbox. Marked assignments and/or feedback will be returned via Blackboard or to the student pigeonholes. Assignments will normally be marked and returned within three weeks of submission.

Extensions and penalties

Extensions

Students, who for exceptional reasons can justify an extension for an item of assessment, must apply to the Course Coordinator *before* the due date. Please note that no extensions can be granted for tutorial assignments.

Penalties

Assignments must be submitted by the due dates. In fairness to other students, unless a medical certificate is produced, assessment submitted after 5:00pm on the due date will be subject to a 5% demerit on your grade, increasing by 5% each further working day it is overdue.

Materials and equipment and/or additional expenses

Assignments may be completed on equipment provided in in the Sonic Arts Lab (Room MS112) or using students' own computers. Software applications used are available in free versions. No additional materials need to be purchased for this course.

Set texts

Hosken, Dan. *An Introduction to Music Technology, 2nd Edition.* Routledge, 2014. Please purchase an electronic edition of this book, available from http://www.routledge.com/books/details/9780415825733/

Note that details about obtaining this e-book will be discussed during the first week of lectures. There is no need to buy this book before the first week of lectures.

Recommended reading

Sound on Sound articles, available from http://www.soundonsound.com/

ChucK programming language documentation, available from http://chuck.cs.princeton.edu/doc/

Optional but useful: Kapur, Ajay. *Programming for Musicians and Digital Artists.* Manning, 2014. Available in PDF format and in the Kelburn Library.

Class representative

The class representative provides a useful way to communicate feedback to the teaching staff during the course. A class representative will be selected at the first lecture of the course.

Student feedback

Prior courses indicated a desire for additional audio listening examples throughout the course. These have been added, and will be a central feature of lectures.

Student feedback on University courses may be found at www.cad.vuw.ac.nz/feedback/feedback_display.php.

Other important information

The information above is specific to this course. There is other important information that students must familiarise themselves with, including:

- Academic Integrity and Plagiarism: www.victoria.ac.nz/students/study/exams/integrity-plagiarism
- Academic Progress: www.victoria.ac.nz/students/study/progress/academic-progess (including restrictions and non-engagement)
- Dates and deadlines: www.victoria.ac.nz/students/study/dates
- FHSS Student and Academic Services Office: www.victoria.ac.nz/fhss/student-admin
- Grades: www.victoria.ac.nz/students/study/progress/grades
- Resolving academic issues: www.victoria.ac.nz/about/governance/dvc-academic/publications
- Special passes: refer to the *Assessment Handbook*, at www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf
- Statutes and policies, including the Student Conduct Statute: www.victoria.ac.nz/about/governance/strategy
- Student support: www.victoria.ac.nz/students/support
- Students with disabilities: www.victoria.ac.nz/st_services/disability
- Student Charter: www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter
- Subject Librarians: http://library.victoria.ac.nz/library-v2/find-your-subject-librarian
- Terms and conditions: www.victoria.ac.nz/study/apply-enrol/terms-conditions/student-contract
- Turnitin: www.cad.vuw.ac.nz/wiki/index.php/Turnitin
- University structure: www.victoria.ac.nz/about/governance/structure
- Victoria graduate profile: www.victoria.ac.nz/learning-teaching/learning-partnerships/graduate-profile
- VUWSA: www.vuwsa.org.nz

- NZSM Student Handbook and NZSM Guidelines for Presenting Academic Work: www.nzsm.ac.nz/student-zone/student-guides
- Scholarships and prizes relevant to NZSM students: www.nzsm.ac.nz/study-careers/scholarships-and-prizes

Events

Regular events are held during trimesters 1 & 2. These events are for the benefit of all students, and include performances, masterclasses, special lectures and workshops given by staff, students and visiting artists. All students are expected to keep time free to attend the weekly lunchtime concert on Friday at 12:10pm, along with other events as required.

Students should sign up to the **Dawn Chorus**, the NZSM's events e-newsletter, by emailing *events@nzsm.ac.nz* with 'subscribe dawn chorus' in the subject line.

Website: www.nzsm.ac.nz/events