



## FACULTY OF HUMANITIES AND SOCIAL SCIENCES

### *Te Kōkī New Zealand School of Music*

#### **CMPO 281** *Computer Music Programming for Live Electronics* **15 POINTS**

#### TRIMESTER 2 2016

### Key dates

**Trimester dates:** 11 July to 13 November 2016

**Teaching dates:** 11 July to 16 October 2016

**Mid-trimester break:** 22 August to 4 September 2016

**Last assessment item due:** 31 October 2016

**Study period:** 17 to 20 October 2016

**Examination/Assessment Period:** 21 October to 12 November 2016

Note: students who enrol in courses with examinations must be able to attend an examination at the University at any time during the scheduled examination period.

**Withdrawal dates:** Refer to [www.victoria.ac.nz/students/study/withdrawals-refunds](http://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](http://www.victoria.ac.nz/students/study/exams/aegrotats)).

### Class times and locations

Tuesday, 12:00pm–1:50pm (Room MS112: Sonic Arts Lab)

Thursday, 12:00pm–12:50pm (Room MS112: Sonic Arts Lab)

### Names and contact details

**Course Coordinator:** Mo Zareei

**Contact phone:** 463 5233, ext. 8418 **Email:** mo.zareei@vuw.ac.nz

**Office located at:** Room 105, 94 Fairlie Terrace, Kelburn Campus

**Office hours:** By appointment

**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

A study of object-oriented computer music programming languages, including general programming concepts, synthesis, analysis and real-time systems, and their use in music technology-based creative practice.

## Course learning objectives (CLOs)

Students who successfully complete this course will be able to:

1. demonstrate competency in basic programming skills for live electronics
2. convey understanding of the concepts of object orientation, concurrency and multi-threading in a sonic/musical context
3. build a system for real-time control of musical sound.

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

## Teaching format

This course comprises one 1-hour lecture and one 2-hour lecture per week.

*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 details for this offering

Assessment items and workload per item	%	CLO(s)	Due date
1 Assignment 1 (30 Seconds)	10%	1, 2	26 July
2 Assignment 2 (30 Seconds)	10%	1, 2	9 August
3 Assignment 3 (30 Seconds)	10%	1, 2	5 September
4 Test 1 (4 Pages, Closed Book, 40 minutes)	10%	1, 2	6 September
5 Assignment 4 (30 Seconds)	10%	1, 2	20 September
6 Assignment 5 (30 Seconds)	10%	1, 2	27 September
7 Assignment 6 (30 Seconds)	10%	1, 2	3 October
8 Test 2 (4 Pages, Closed Book, 40 minutes)	10%	1, 2	4 October
9 Short Creative Project (60 Seconds)	20%	1–3	31 October

## Submission and return of work

Assignments should be uploaded to Blackboard. Marked assignments will be returned to the student pigeonholes or uploaded to Blackboard. Which policy applies will be specified separately for each assignment. ChuckK assignments submitted via Blackboard should be labelled in the following format: lastname\_assignment#.ck. Audio files submitted via Blackboard should be saved as mp3 files and labelled lastname\_assignment#.mp3.

## 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.

### 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.

### Set text

*Programming for Musicians and Digital Artists: Creating Music with ChuckK.* Ajay Kapur, Perry Cook, Spencer Salazar, Ge Wang (Manning Publications, 2014).

*An electronic edition of this text is available from <http://manning.com/kapur>*

### Recommended reading

ChuckK Documentation: <http://chuck.cs.princeton.edu/doc>

ChuckK Examples: <http://chuck.cs.princeton.edu/doc/examples>

### 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

This is the first offering of this course by this lecturer. Students will have the opportunity to provide informal feedback halfway through the course, and formal feedback at the end of the course.

Student feedback on University courses may be found at [www.cad.vuw.ac.nz/feedback/feedback\\_display.php](http://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](http://www.victoria.ac.nz/students/study/exams/integrity-plagiarism)
- Academic Progress: [www.victoria.ac.nz/students/study/progress/academic-progress](http://www.victoria.ac.nz/students/study/progress/academic-progress) (including restrictions and non-engagement)
- Dates and deadlines: [www.victoria.ac.nz/students/study/dates](http://www.victoria.ac.nz/students/study/dates)
- FHSS Student and Academic Services Office: [www.victoria.ac.nz/fhss/student-admin](http://www.victoria.ac.nz/fhss/student-admin)
- Grades: [www.victoria.ac.nz/students/study/progress/grades](http://www.victoria.ac.nz/students/study/progress/grades)
- Resolving academic issues: [www.victoria.ac.nz/about/governance/dvc-academic/publications](http://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](http://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](http://www.victoria.ac.nz/about/governance/strategy)
- Student support: [www.victoria.ac.nz/students/support](http://www.victoria.ac.nz/students/support)
- Students with disabilities: [www.victoria.ac.nz/st\\_services/disability](http://www.victoria.ac.nz/st_services/disability)
- Student Charter: [www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter](http://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](http://www.victoria.ac.nz/study/apply-enrol/terms-conditions/student-contract)
- Turnitin: [www.cad.vuw.ac.nz/wiki/index.php/Turnitin](http://www.cad.vuw.ac.nz/wiki/index.php/Turnitin)
- University structure: [www.victoria.ac.nz/about/governance/structure](http://www.victoria.ac.nz/about/governance/structure)
- Victoria graduate profile: [www.victoria.ac.nz/learning-teaching/learning-partnerships/graduate-profile](http://www.victoria.ac.nz/learning-teaching/learning-partnerships/graduate-profile)
- VUWSA: [www.vuwsa.org.nz](http://www.vuwsa.org.nz)
- NZSM Student Handbook and NZSM Guidelines for Presenting Academic Work: [www.nzsm.ac.nz/student-zone/student-guides](http://www.nzsm.ac.nz/student-zone/student-guides)
- Scholarships and prizes relevant to NZSM students: [www.nzsm.ac.nz/study-careers/scholarships-and-prizes](http://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](mailto:events@nzsm.ac.nz) with 'subscribe dawn chorus' in the subject line.

**Website:** [www.nzsm.ac.nz/events](http://www.nzsm.ac.nz/events)