



PAPER OUTLINE 2010

Paper Code & Title:	CMPO 280 <i>Synthesis, Sampling and Sequencing</i>				
Year:	2010	Points:	15		
CRN:	15563	Trimester:	1/3	Campus:	NZSM - Massey Mt Cook
Key dates:	Teaching dates:	1 March–4 June 2010			
	Study week:	7–10 June 2010			
	Examination/	11–30 June 2010			
	Assessment period:	<i>NB: For courses with exams, students must be available to attend the exam at any time during this period.</i>			
	Withdrawal dates:	Information on withdrawals and refunds may be found at: http://www.victoria.ac.nz/home/admisenrol/payments/withdrawalsrefunds.aspx			
Prerequisites:	CMPO 101 or CMPO 220 or CMPO 320				
Corequisites:	None				
Restrictions:	NZSM 283, 133.272				

Paper Co-ordinator:	Phil Riley	Email:	loriley@xtra.co.nz
Contact phone:	04 566 7550		
Office located at:	Mt Cook Staffroom		
Office hours:	Tues from 5.30pm		
Other staff member(s):	none		
Contact phone:	N/A	Email:	N/A
Office(s) located at:	N/A		
Tutors:	Phil Riley	Email:	loriley@xtra.co.nz
Class times/rooms:	Tuesday, 6.10-9.00pm (Room MUW1D02)		
Workshop times/rooms:	N/A		
Tutorial times/rooms:	N/A		

Classes with tutorials:

Tutorials commence in the second week of the trimester. Groups will be posted on Blackboard and/or on the noticeboard outside the office on the NZSM Mt Cook campus at the start of Week 2.

PAPER PRESCRIPTION

Development of knowledge and skills for the use of synthesizers, samplers and MIDI sequencers, directed towards the production of ensemble mock-ups and/or instrumentally-focused electronic music.

LEARNING OUTCOMES

Students who have successfully completed this paper will:

1. Use a SEQUENCER such as Logic Pro or Pro tools to create musical compositions using MIDI and/or software sample instruments
2. Demonstrate their understanding of the underlying theory behind different kinds of synthesis (e.g. analogue, digital, Wavetable, granular) and basic sound design (oscillators, ADSR envelopes, filters etc).
3. Create their own synthesizer patches, either from re-designed factory programmes or from oscillators upwards.
4. Set up and use a sampler, capture and edit sounds and trigger the samples using a MIDI sequencer.
5. Demonstrate their understanding of sequencing and synthesis software through the creation of a number of practical assignments.

EXPECTED WORKLOAD

A 15-point first-trimester paper should require at least 150 hours work (including class time). This means that in term time, the midterm break and study week you should be prepared to spend on average 12 hours per week involved in activities such as attending classes, reading, listening to recommended recordings and preparing assignments.

COURSE CONTENT & DELIVERY

This course comprises one 3-hour lecture/tutorial per week
See attached course syllabus for more information.

READINGS, MATERIALS & EQUIPMENT

Students require a small portable hard drive such as a 4GB USB 'key-drive'.

Personal stereo headphones are the responsibility of the student. Hi quality not essential but in-ear phones are less effective than large format headphones in the lab situation

Course notes and assignments will be posted on 'Blackboard' and/or paper copy will be distributed as required.

On-line research is required at home or in 1D02 outside of class time

Industry magazines(hard copy or online) such as Electronic Musician, Computer Music, Mix etc should be used for general background reading and research

ASSESSMENT REQUIREMENTS

This course is 100% internally assessed and consists of;

4 practical assignments totalling	60%
1 written assignment	10%
Written examination	30%

<i>Assessment name</i>	<i>Word length / approx. duration</i>	<i>Learning outcome(s)</i>	<i>Due date</i>	<i>% of final grade</i>
Using sequencers, loops and presets	Practical ass. Of approx. 6 hours work	Demonstrate understanding and skills in Sequencing to write simple MIDI composition	19/3/10	13
Sound Design	Practical ass of approx 6 hours	Demonstrate understanding of synthesizers and ability to design patches from scratch	9/4/10	13
Written Assignment	Approx 2000 words	Demonstrate on-line researching skills covering history of synthesis and sampling	20/4/10	10
Samples and Sampling	Practical ass of approx 8 hours	Show understanding and practical skills in sampling instruments and voice in the studio and designing new sampler instruments from scratch	14/5/10	14
Final Remix Project	Practical ass of approx 12 hours	demonstrate all elements of course in remixing complex track using sequencer, students' own synth patches and sampler instruments	4/6/10	20

The compulsory **WRITTEN EXAMINATION** will take place during the period 14th to 30th June. It will be a closed book exam of 1 hour duration and will not involve practical computer work.

Deposit and collection of written work

Assignments should be deposited in the computer drop-box on-line or, in the case of the written assignment, may be handed in during class time in hard-copy format
Marked assignments will be returned during class time

Deadlines for written work:

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

Students, who for exceptional reasons can justify an extension for the essay, must apply to the Paper Co-ordinator before the due date. Please note that NO extensions can be granted for tutorial assignments.

ASSIGNMENT PRESENTATION

Written work should be presented according to the guidelines set out in the **NZSM Guidelines for Academic Work**, which can be downloaded as a PDF document from the NZSM Website <http://www.nzsm.ac.nz/study/programmes.aspx> (in the right-hand column). Five percent (5%) will be deducted for written work that does not conform to these standards.

Notated works must be presented according to the guidelines set down in the **NZSM Composition and Orchestration Style Guide**, available as a PDF document from the NZSM Website: <http://www.nzsm.ac.nz/study/composition.aspx> (in the right-hand column). Five percent (5%) will be deducted for notated work that clearly does not conform to these standards.

Sonic Arts works should be submitted as a clearly labelled Audio CD, or, for multimedia works, as a DVD or as a Quicktime data file on a data CD-ROM.

MANDATORY PAPER REQUIREMENTS

To gain a pass in this course each student must:

- a) Complete all assignments, and four out of five must be passed, with an overall average mark of 50 % achieved.
- b) A pass must be attained in the written exam.
- c) Attend at least 80% of lectures, tutorials and workshops related to this course.

COMMUNICATION OF ADDITIONAL INFORMATION/INFORMATION ON CHANGES

Official notices issued after the paper has commenced will be posted on the board outside the NZSM office on the Mt Cook campus. Notices concerning a number of papers will also be posted on Blackboard. The Paper Co-ordinator will specify if Blackboard will be used.

CLASS REPRESENTATIVES

Where appropriate, a class representative will be elected in the first class, and that person's name and contact details will be available to VUWSA and/or MAWSA, the Course Coordinator and the class. The class representative provides a communication channel to liaise with the Course Coordinator on behalf of students.

ACADEMIC INTEGRITY AND PLAGIARISM

Academic integrity means that university staff and students, in their teaching and learning, are expected to treat others honestly, fairly and with respect at all times. It is not acceptable to mistreat academic, intellectual or creative work that has been done by other people by representing it as your own original work.

Academic integrity is important because it is the core value on which the University's learning, teaching and research activities are based. The NZSM's reputation for academic integrity adds value to your qualification.

The NZSM defines plagiarism as presenting someone else's work as if it were your own, whether you mean to or not. 'Someone else's work' means anything that is not your own idea. Even if it is presented in your own style, you must acknowledge your sources fully and appropriately. This includes:

- Material from books, journals or any other printed source
- The work of other students or staff
- Information from the internet
- Software programs and other electronic material
- Designs and ideas
- The organisation or structuring of any such material

Find out more about plagiarism, how to avoid it and penalties, on the NZSM website:

<http://www.nzsm.ac.nz/about/statutes-policies.aspx#plagiarism>

GENERAL NZSM POLICIES AND STATUTES

Students should familiarise themselves with the NZSM's policies and statutes, especially those regarding Personal Courses of Study, Academic Grievances, Staff and Student Conduct. Please see <http://www.nzsm.ac.nz/about/statutes-policies.aspx>

For any statutes relating to the particular qualifications being studied, see either the *Massey University Calendar* or the *Victoria University Calendar*.

Information about Student Services, including Academic Mentoring for Maori and Pacific Students, and support for Students with Disabilities, is to be found in the *NZSM Student Handbook* (available from the NZSM offices on each campus).

EVENTS

Regular events are held during trimesters 1 & 2 at all NZSM campuses. 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 read the NZSM website for the latest events listings and keep time free to attend the weekly lunchtime concert on Friday at 12.10pm, along with other events as required.

Event manager: Debbie Rawnsley

Phone: (04) 463 6050 **Email:** debbie.rawnsley@nzsm.ac.nz

Website: <http://www.nzsm.ac.nz/events/>