



## PAPER OUTLINE 2010

<b>Paper Code &amp; Title:</b>	<b>NZSM 422</b> <i>Electronic Performance</i>				
<b>Year:</b>	2010	<b>Points:</b>	30		
<b>CRN:</b>	17342	<b>Trimester:</b>	2/3	<b>Campus:</b>	NZSM - VUW Kelburn
<b>Key dates:</b>	Teaching dates:	12 July–15 October 2010			
	Study week:	18 October–22 October 2010			
	Examination/	22 October–13 November 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: <a href="http://www.victoria.ac.nz/home/admisenrol/payments/withdrawalsrefunds.aspx">http://www.victoria.ac.nz/home/admisenrol/payments/withdrawalsrefunds.aspx</a>			
<b>Prerequisites:</b>	CMPO 210 or NZSM 202				
<b>Corequisites:</b>	None				
<b>Restrictions:</b>	PERF 345				

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**Paper Co-ordinator:** Ajay Kapur  
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**Office located at:** 92 FT 203  
**Office hours:** Tuesday 11:00am – 12:50pm (92 FT 203)

**Tutors:** Jordan Hochenbaum      **Email:** [jhochenbaum@gmail.com](mailto:jhochenbaum@gmail.com)  
Owen Vallis      [owenvallis@gmail.com](mailto:owenvallis@gmail.com)

**Class times/rooms:** Monday, 11:00am – 11:50am (Room MS 209)  
Wednesday, 11:00am – 12:50pm (Room MS 209)

**Workshop times/rooms:**

**Tutorial times/rooms:** Tuesday, 2:00pm - 4:00pm (92 FT 101)

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 Kelburn campus at the start of Week 2.*

## PAPER PRESCRIPTION

*Development of an individual performance style in live electronics through the application and critical review of technical skills, performance models and conceptual resources in electronic performance.*

## LEARNING OUTCOMES

Students who have successfully completed this paper will:

1. Gain a broad understanding of evolving trends in performance practice since the 1940s.
2. Critically assess and review a variety of performance models.
3. Demonstrate technical proficiency across a chosen range of performance models.
4. Independently solve practical, stylistic and contextual challenges.
5. Develop an individual performance style and gain a level of speciality in their chosen performance model.
6. Demonstrate the skills and knowledge required to stage a convincing performance.

## EXPECTED WORKLOAD

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A 30-point second-trimester paper should require at least 300 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 25 hours per week involved in activities such as attending classes, reading, listening to recommended recordings and preparing assignments.

## COURSE CONTENT & DELIVERY

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This course comprises one 1-hour lecture and one 2-hour lecture per week, and one 1.5-hour workshop per week. During workshops, classes will come together to listen to student performances, as well as presentations by staff and guest artists. There is also a Sonic Arts Extra Help Tutorial Session for students who need extra help.

This course provides an introduction on how to use interfaces for musical expression in live performance. We will discuss signal processing for interfaces and teach how to signal condition sensors for Live Performance. Class will also consist of many individual and group composition/performance exercises. The final evaluation will be based on the student's use of the technology in a live performance and composition.

*Week 1-2: History of Musical Interface Performance*

*Week 3-4: Basic DSP for Controllers*

*Week 5-6: Communication Via Serial/MIDI/OSC*

*Week 7-9: Physical Interaction Design and Techniques*

*Week 10: Controlling Sound and Light*

*Week 11: Integration*

*Week 12: Student Final Project Presentations*

## READINGS, MATERIALS & EQUIPMENT

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Kapur, A. "Digitizing North Indian Music: Preservation and Extension using Multimodal Sensor Systems, Machine Learning and Robotics." VDM Verlag Dr. Muller, Germany, 2008.

**(Do NOT BUY!!!)**

Selected Articles from Proceedings of New Interfaces for Musical Expression (NIME)

## ASSESSMENT REQUIREMENTS

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This paper is internally assessed. Students will be assessed on the advancement throughout the trimester of their performance skills and their increased awareness of the range of performance possibilities in terms of style and expression. They should also demonstrate through their work an increased critical sense and capacity for objective self-evaluation.

1. A series of practical in-class exercises (15%) Outcomes 1-3
2. Research essay, max. 3000 words (30%) Outcomes 1, 2
3. Critical review of a performance, 500 words (5%) Outcome 2
4. A 60-minute seminar/presentation pertaining to major performance (20%). Outcomes 4, 5
5. Major performance (30%) Outcomes 4-6

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### Deposit and collection of written work

*Assignments should be deposited via Email.*

*Marked assignments will be returned via Email.*

*NB: As Honours courses are externally moderated by a sample of work, all students are requested to retain all assessment, as this may be required at the end of the course.*

### 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**

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**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**

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To gain a pass in this course each student must:

- a) Submit each piece of work or item of assessment specified for this course, on or by the specified dates (subject to such provisions as are stated for late submission of work).
- b) Attend at least 80% of lectures, tutorials and workshops related to this course.
- c) Perform composition in final concert.

If for health reasons you are unable to complete all the work required for assessment purposes for this Paper by 13 November you may, on presentation of a medical certificate, have the date for submission extended by the Director, NZSM.

## **COMMUNICATION OF ADDITIONAL INFORMATION/INFORMATION ON CHANGES**

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Official notices issued after the paper has commenced will be posted on the board outside the NZSM office on the Kelburn 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**

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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 Co-ordinator and the class. The class representative provides a communication channel to liaise with the Course Co-ordinator on behalf of students.

## ACADEMIC INTEGRITY AND PLAGIARISM

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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

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Students should familiarise themselves with the NZSM's policies and statutes, especially those regarding Personal Courses of Study, Academic Grievances, and 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 Māori 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

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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.

**Events & Marketing Coordinator:** Craig Ireson  
**Phone:** (04) 801 5799 ext 62119 **Email:** [craig.ireson@nzsm.ac.nz](mailto:craig.ireson@nzsm.ac.nz)  
**Website:** <http://www.nzsm.ac.nz/events/>