



# DSDN 141

## Experimenting with Materials

### Course Outline Trimester 2, 2014

#### GENERAL

Trimester 2; 15 points

#### ASSESSMENT

100% internal by assignment

#### CLASS TIMES AND LOCATIONS

LECTURE:	WED	14:40 – 15:30	Room: VS LT1
STUDIOS:	[Stream A] TUE & FRI	08:30 – 10:20	Room: WIG 101/Workshop
	[Stream B] TUE & FRI	10:30 – 12:20	Room: WIG 101/Workshop

#### COORDINATOR

##### Coordinator

*Name: Jeongbin Ok*

*Room: WIG 405*

*Phone: 463 6278*

*Office Hours: WED 15:30-16:30*

*Email: jeongbin.ok@vuw.ac.nz*

For Tutor details please visit the course blog via: [blackboard.vuw.ac.nz](http://blackboard.vuw.ac.nz)

#### COMMUNICATION OF ADDITIONAL INFORMATION

Any changes or additions to this Course Outline will be discussed and agreed with the class, and conveyed via email or through the course blog on the School of Design Teaching and Learning website: [blackboard.vuw.ac.nz](http://blackboard.vuw.ac.nz)

## PRESCRIPTION

Introduction to technologies, materials and processes used in 3-dimensional design disciplines. Emphasis includes the application of both physical and digital explorative methods relevant to the discovery of design attributes in material properties and aesthetic meaning.

## COURSE CONTENT

Materials are the media that designers use to give shape to their ideas, the vehicle that conveys a designer's nonverbal message, and the physical interface that enables the audience to see, feel, and resonate with the designer's intentions, hence understanding and making full use of materials proficiently for creation is essential to designers, particularly industrial designers.

This course is designed to expose students to a range of natural and artificial materials and encourage them to explore their qualities through conducting destructive and constructive experiments. Building on the empirical knowledge and sense of materiality, students will compare and combine different materials to synthesise, change, and test their synergistic integrations. The culmination of this course will provide them with an opportunity of creating an aesthetic and provocative multi-material composition that generates a sensory stimulus, which possesses the fundamental elements of an interactive and responsive design.

## COURSE LEARNING OBJECTIVES

Students who pass this course will be able to:

- 1: explore qualities of various materials in different forms through experiments
- 2: analyse the role and impact of materials in an object or design
- 3: compose a unique and provocative material combination
4. compare a range of material options and compose select ones for the expression of a design idea
5. use both analogue and digital making techniques and processes appropriately
6. articulate design language in all presentations of design ideas

## TEACHING FORMAT

All course materials, project descriptions, important dates, reference materials and required readings will be available on the course blog, located on the School of Design Teaching and Learning website, see: [blackboard.vuw.ac.nz](https://blackboard.vuw.ac.nz)

## MANDATORY COURSE REQUIREMENTS

There are no specific mandatory course requirements other than those listed under Assessment.

## WORKLOAD

Attendance and participation is an important aspect of the learning process, and you are required to attend all lectures and tutorials.

If extraordinary circumstances arises that require you to be absent from some class sessions, you should discuss the situation with the Course Coordinator as soon as possible.

You should expect to spend around 150 hours on this course, including both scheduled class time and independent study. Typically this involves around 10 hours per week during the 12 teaching weeks, with the balance during the mid-trimester break, study week, and examination period.

Please check out the link below with information on Studio Courses:

[www.victoria.ac.nz/fad/faculty-administration/current-students#studioculturepolicy](http://www.victoria.ac.nz/fad/faculty-administration/current-students#studioculturepolicy)

Students with course timetable clashes are responsible for discussing these with their Course Coordinators. Students who then choose to remain enrolled in such courses must recognise that it is their sole responsibility to seek information from peers, Blackboard and other sources, and catch up on course material they may miss because of clashes.

## ASSESSMENT

Each project has a set of assessment criteria, however, the overarching assessment criteria are:

- evidence of active and energetic exploration of materials and processes within independent research
- development of an idea into a physical form through experiments
- understanding and utilisation of material qualities for design creation
- level of craft in drawing, modelling, photography using both traditional and digital techniques
- communicate documentation and presentation of design ideas using design language
- skill and knowledge development, class and lecture participation

Assessment items and workload per item		Due	%	CLO(s)
1	Project 1. Deform Assessment requirements include: Process work, final work, drawings, photographs, presentation, and documentation on a blog	01 Aug	20%	1, 2, 6
2	Project 2. Re-form Assessment requirements include: Process work, final work, drawings, photographs, presentation, and documentation on a blog	12 Sep	25%	1, 2, 3, 6
3	Project 3. Form Assessment requirements include: Process work, final work, drawings, photographs, presentation, and documentation on a blog	17 Oct	35%	3, 4, 5, 6
4	Progress Based Assessments (PBAs) 10 x Weekly studio based tasks executed and submitted in studio. Each PBA is worth 1% with an additional 10% of the assessment calculated accumulatively upon skill and/or knowledge progression over the trimester.	Regularly over the trimester (see schedule)	20%	All

The School has a long tradition of providing *critical review* of student work as it progresses especially in design projects. For further information please refer to the Website below:

[www.victoria.ac.nz/fad/faculty-administration/current-students/faqs#criticalreview](http://www.victoria.ac.nz/fad/faculty-administration/current-students/faqs#criticalreview)

All grades posted during this course are only provisional results until confirmed by the School Examiners Committee which meets after the examination period.

**Note: Victoria's grading system has been changed for 2014 with the introduction of a new C- grade.**

<http://www.victoria.ac.nz/students/study/progress/grades>

## SUBMISSION AND RETURN OF WORK

Each student is responsible for ensuring their work is submitted to their Course Tutor or Course Coordinator on time and in the required format.

Work submitted late must be submitted to the Course Coordinator. Late submissions will be penalised as set out below, unless an extension is approved by the Course Coordinator.

## EXTENSIONS

In the event of illness or other extraordinary circumstances that prevent you from submitting and/or presenting a piece of work on time, or that you feel adversely affect the quality of the work you submit, it is important that you discuss your circumstances with the Course Coordinator as soon as possible so that appropriate arrangements may be made. You should complete an Application for Extension form (available from the Faculty Office) for the Course Coordinator to approve. You will also need to provide suitable evidence of your illness or other circumstances. In an emergency, or if you are unable to contact the Course Coordinator, you should advise the Faculty Office of your situation.

## PENALTIES

If no extension has been approved, the following penalties will be applied:

- Failure to personally present work at any scheduled graded review will result in an automatic failing grade of E (maximum mark of 39%) for the work being reviewed;
- Work submitted late will receive a failing grade of E (maximum mark of 39%);
- Any work not submitted within 5 working days of the due date will be recorded as a non-submission (0%).

## REQUIRED MATERIALS AND EQUIPMENT

Students will need to provide all materials and equipment as necessary for the completion of required work. Please check the website link below for the standard requirements:

[www.victoria.ac.nz/fad/faculty-administration/current-students/faqs#materialsandequipment](http://www.victoria.ac.nz/fad/faculty-administration/current-students/faqs#materialsandequipment)

A variety of materials will be required for this course and students will need to source some of them independently. It is mandatory to take the workshop training before the first class of this course. Students must find, read, and familiarise themselves with technical and safety information about the materials, equipment, and processes they handle and use before starting any experiments, and wear proper protection gear while working. Students are also required to understand potential hazards and risks that may be involved in their work and always take utmost caution during experimentation.

## SET TEXTS

Materiology (Q Hirsinger, E Ternaux, D Kula) <http://victoria.lconz.ac.nz/vwebv/holdingsInfo?bibId=1140983>

Material Innovation (A Dent) <http://victoria.lconz.ac.nz/vwebv/holdingsInfo?bibId=1653303>

Materials (D Kottas) <http://victoria.lconz.ac.nz/vwebv/holdingsInfo?bibId=1347982>

Surface (A Trow) <http://victoria.lconz.ac.nz/vwebv/holdingsInfo?bibId=551893>

Material World 2 (MatériO) <http://victoria.lconz.ac.nz/vwebv/holdingsInfo?bibId=858194>

Material World (E van Onna) <http://victoria.lconz.ac.nz/vwebv/holdingsInfo?bibId=128206>

Industrial Design (R Guidot) <http://victoria.lconz.ac.nz/vwebv/holdingsInfo?bibId=980886>

Ultra Materials (G Beylerian and A Dent) <http://victoria.lconz.ac.nz/vwebv/holdingsInfo?bibId=1078289>

Material Connexion (Material samples and online database) <http://www.materialconnexion.com>

Additional texts may be made available to students via the Blackboard course website.

## RECOMMENDED READING

Refer to the Blackboard course website.

## SCHEDULE OF SESSIONS

Week month	day	date	item	location	time	Comments
Week 29 July	M	14				Trimester 2 begins
	TU	15				
	W	16	Project 1 Intro			
	TH	17				
	F	18		PBA #1		
Week 30 July	M	21				
	TU	22				
	W	23				
	TH	24				
	F	25	Withdrawal refund	PBA #2		<i>This is the last date you can withdraw from a Tri 2 course with a full refund.</i>
Week 31 July/August	M	28				
	TU	29				
	W	30	Project 2 Intro			
	TH	31				
	F	1	Project 1 Presentations + Hand-in			
Week 32 August	M	4				
	TU	5				
	W	6				
	TH	7				
	F	8		PBA #3		
Week 33 August	M	11				
	TU	12				
	W	13				
	TH	14				
	F	15		PBA #4		
Week 34 August	M	18				
	TU	19				
	W	20				
	TH	21				
	F	22		PBA #5		
Week 35 August	M	25				Mid-trimester break
	TU	26				
	W	27				
	TH	28				
	F	29				
Week 36 September	M	1				
	TU	2				
	W	3				
	TH	4				
	F	5				Mid-trimester break ends
Week 37 September	M	8				
	TU	9		PBA #6		
	W	10	Project 3 Intro			
	TH	11				
	F	12	Project 2 Presentations + Hand-in			
Week 38 September	M	15				
	TU	16				
	W	17				

	TH	18				
	F	19		PBA #7		
Week 39 September	M	22				
	TU	23				
	W	24				
	TH	25				
	F	26	Course Withdrawal	PBA #8		<i>After this date the Associate Dean's approval is required for withdrawal from Tri 2 Courses.</i>
Week 40 September/ October	M	29				
	TU	30				
	W	1				
	TH	2				
	F	3		PBA #9		
Week 41 October	M	6				
	TU	7				
	W	8				
	TH	9				
	F	10		PBA #10		
Week 42 October	M	13				
	TU	14				
	W	15				
	TH	16				
	F	17	<b>Project 3 Presentations + Hand-in</b>			
Week 43 October	M	20				<b>Study/Examination Period</b>
	TU	21				
	W	22				
	TH	23				
	F	24				<b>Examination Period</b>
Week 44 October	M	27				<b>Labour Day – Public Holiday</b>
	TU	28				
	W	29				
	TH	30				
	F	31				
Week 45 November	M	3				
	TU	4				
	W	5				
	TH	6				
	F	7				
Week 46 November	M	10				
	TU	11				
	W	12				
	TH	13				
	F	14				
	S	15				<b>Examination period ends</b>

## CLASS REPRESENTATIVES

The Faculty of Architecture and Design operates a system of Class Representatives in 100-level courses, and Year Representatives in each of the professional disciplines. Student Representatives are elected during a class session in the first week of teaching. All Student Representatives will be listed on the STUDiO notice board in the Atrium, and the relevant Representatives are also listed on studio notice boards. Student Representatives have a role in liaising between staff and students to represent the interests of students to the academic staff, and also in providing students with a communication channel to STUDiO and the Student Representation organiser.

Class Rep name and contact details:

## STUDENT FEEDBACK

The Course Coordinator will discuss feedback from previous students at an appropriate time during 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/home/study/plagiarism](http://www.victoria.ac.nz/home/study/plagiarism)
- Aegrotats: [www.victoria.ac.nz/home/about/avcacademic/publications2#aegrotats](http://www.victoria.ac.nz/home/about/avcacademic/publications2#aegrotats)
- Academic Progress: [www.victoria.ac.nz/home/study/academic-progress](http://www.victoria.ac.nz/home/study/academic-progress) (including restrictions and non-engagement)
- Dates and deadlines: [www.victoria.ac.nz/home/study/dates](http://www.victoria.ac.nz/home/study/dates)
- Faculty Current Students site: [www.victoria.ac.nz/fad/faculty-administration/current-students](http://www.victoria.ac.nz/fad/faculty-administration/current-students)
- Grades: <http://www.victoria.ac.nz/students/study/progress/grades>
- Resolving academic issues: [www.victoria.ac.nz/home/about/avcacademic/publications2#grievances](http://www.victoria.ac.nz/home/about/avcacademic/publications2#grievances)
- Special passes: [www.victoria.ac.nz/home/about/avcacademic/publications2#specialpass](http://www.victoria.ac.nz/home/about/avcacademic/publications2#specialpass)
- Statutes and policies including the Student Conduct Statute: [www.victoria.ac.nz/home/about/policy](http://www.victoria.ac.nz/home/about/policy)
- Student support: [www.victoria.ac.nz/home/viclife/student-service](http://www.victoria.ac.nz/home/viclife/student-service)
- Students with disabilities: [www.victoria.ac.nz/st\\_services/disability](http://www.victoria.ac.nz/st_services/disability)
- Student Charter: [www.victoria.ac.nz/home/viclife/student-charter](http://www.victoria.ac.nz/home/viclife/student-charter)
- Student Contract: [www.victoria.ac.nz/home/admisenrol/enrol/studentcontract](http://www.victoria.ac.nz/home/admisenrol/enrol/studentcontract)
- 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/home/about](http://www.victoria.ac.nz/home/about)
- VUWSA: [www.vuwsa.org.nz](http://www.vuwsa.org.nz)