



# Bachelor of Design Innovation

## First Year Design

COURSE OUTLINE - 2012

### DSDN 141

### EXPERIMENTING WITH MATERIALS

#### GENERAL

Core for industrial specialisations (Elective for C+C and Media); Trimester Two; 15 points

#### ASSESSMENT

100% internal by assignment

#### CLASSTIMES AND LOCATIONS

LECTURES:           Section A & B    Wednesday 8:30am – 9:20am    Room: VS LT1  
                          Section A & B    Friday 2:40pm – 3:30pm            Room: VS LT1

STUDIO:             Section A    Wednesday 9:30am – 12:20pm    Room: WIG 101 & VS 001  
                          Section B    Wednesday 1:00pm – 4:00pm    Room: WIG 101 & VS 001

*Note: Photo Studio located in VS 2.18 & Workshop in VS 001*

#### COORDINATOR

**Coordinator**

Bernard Guy

Room: VS 2.33

Phone: 463-6291

Office Hours: Friday 1:00 – 2:00pm or by appointment

Email: [bernard.guy@vuw.ac.nz](mailto:bernard.guy@vuw.ac.nz)

For Tutor details please visit the course blog via: <http://schoolofdesign.ac.nz/>

#### COURSE SYNOPSIS

DSDN 141 is an introduction to technologies, materials and processes used in 3-dimensional design disciplines. Emphasis includes the application of explorative design methods relevant to the discovery of design attributes in material properties and aesthetic meaning.

## AIMS OF THE COURSE

The aim of this course is to explore, understand and ultimately to celebrate the materials of our environment as a resource to be valued, with properties to be respected and to engage them as a source of inspiration and poetic expression in design.

This course introduces you to materials, processes and technologies as related to design. Materials are the substance and physical manifestation of our environment and as such are all-pervasive. In terms of design their implications are far reaching; on one hand materials impose limitations, on the other they offer enormous potential for innovation. Implicit in the understanding of materials are also the processes which allow materials to be utilised and the technologies with which materials can be modified.

## COURSE LEARNING OBJECTIVES

Students who pass this course will be able to:

- 1: creatively experiment, develop and produce provocative and meaningful designs
- 2: begin to critically evaluate design processes, tools and materials from an a diversity of perspectives
- 3: begin to express ideas in a coherent design language

## COURSE CONTENT

This course will introduce you to:

- *What* materials are used to make design forms and spaces; and
- *How* design forms and spaces are made (virtual and real, hard and soft , static and dynamic, technologies and processes)
- The *effects* these materials, processes and technologies have on the designed forms and spaces, in terms of design philosophy and approach, and on the users (functionality; aesthetics; social/environmental impact; etc).

These aims will be developed and applied in a multi-disciplinary approach that is particularly relevant to the professional disciplines of Industrial Design.

## COURSE DELIVERY

DSDN 141 is both studio and lecture based.

**Lectures** provide direct guidance and support for your studio projects as well as introducing you to some of the broader theoretical and social issues relating to Experimenting with Materials.

**Studio** content is primarily about the empirical investigation of materials and processes with particular reference to the ideas and practices of tectonic composition.

**Lab** sessions consist of 5 small assignments linked to the learning objectives of each project. Students are required to upload and present experiments online for review. Labs will be introduced at Fridays Lecture and uploaded by students before Midnight Wednesday next week. These will be reviewed at the Friday lecture. Submission of students work will be recorded and is a mandatory course requirement.

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: <http://schoolofdesign.ac.nz>

## ASSIGNMENTS/PROJECTS

### ASSIGNMENTS

Assignment work in DSDN 141 is all project-based. You will be asked to complete three intensive projects. The projects build systematically on one-another and address different aspects of materials, processes and technologies in the form of specific design challenges. The intention is to strengthen your skill in the creative

crafting of materials and technologies, your understanding of the potential of properties and processes, and your awareness of materials as a source of inspiration and innovation in design.

To provide a general overview, a brief description of each project follows:

- **Project 1: Reveal: The outward expression of materiality** - 3 weeks (includes 2 Labs)  
The main aim of Project 1 is to demonstrate the expressive power of surfaces in communicating materiality.
- **Project 2: Relate: The Vocabulary of Material** - 3 weeks (includes 2 Labs)  
The challenge of project 2 is to reveal the worth and value inherent in “everyday” materials in a compositional statement that goes beyond the pragmatic to encompass poetic interpretation, eloquence and meaning.
- **Lab 5** - 2 week lab sessions
- **Project 3: Activate: Materials Response to Activation** - 4 weeks  
The premise of project 3 is to encourage enquiry and exploration in revealing the hidden properties of materials. The objective of the project is to integrate all the lessons of the previous two projects into a single project that invites lateral thinking and the application of craft in a spirit of invention and experimentation.

## ASSESSMENT REQUIREMENTS

Assessment Criteria specific to individual projects will be listed in each Project Outline. Overall Assessment Criteria for this course are:

- evidence of a clear understanding of tectonic ideas and concepts as related to materials and processes
- quality and coherence in the design concepts
- clarity in the articulation of design intentions
- evidence of active and energetic exploration of materials and processes
- evidence of creative and innovative application of materials and processes
- high level of craft evident in drawing, modelling, photography and presentation

Lab assessment

- evidence of engagement, research, and commitment to craft and presentation.

DSDN 141 is internally assessed by assignment work in the form of 3 projects. Each is assessed and graded A+, A, A-, B+, B, B-, C+, C, D, E, (where C is a PASS). Grades only are issued to students. The final grade for the course is based on the aggregation of the percentage marks for each of the projects, and a final grade of C or better is required to pass the course.

The 3 projects and the labs contribute towards the final course grade as follows:

Project 1 Reveal	3 weeks:	due	8 <sup>th</sup> August	25%
Project 2 Relate	3 weeks:	due	19 <sup>th</sup> September	25%
Project 3 Activate	4 weeks:	due	31 <sup>th</sup> October	35%
Labs				15%
<b>Total:</b>				<b>100%</b>

The School has a long tradition of providing *critical review* of student work as it progresses especially in design projects. This is part of feed-back for learning purposes. Such reviews must not be misunderstood as indicators of standards and they are different from *assessment*. Students have a responsibility to attend critical reviews at the appointed time as part of the learning process. Review panels are often composed of internal and external members for the appointed times and cannot be re-composed to consider late submissions. Consequently late work will not receive a critical review, though it will be assessed subject to any penalties as set out below.

- **Critical Review:** May take place during the development phases of a project as well as at the time of the final submission. Its purpose is to identify strengths and weaknesses in the work and to offer suggestions to generally encourage the student. An encouraging critical review does not necessarily mean a good assessment result.

- Assessment may take place at a stage in a project or on final submission (or both). Its purpose is to assess the work in terms of the objectives stated in the handout and to express this as a grade. Moderation of all assessment in design is undertaken at the end of the Trimester after critical reviews, involving a wider group of staff than the immediate lecturers in the course. This process ensures fairness.

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

## PENALTIES

Students are required to personally present their work on time at all scheduled reviews and in the location and specified format as set out in project outlines. Except in emergency situations failure to personally present work at any scheduled graded review will result in an automatic failing grade of **E** for the work being reviewed, unless an extension has been approved in writing in advance by the Course Coordinator.

Late submissions will not be penalised in the event of illness or other extraordinary circumstances provided students have submitted a request for an extension and received approval in writing from the Course Coordinator (see the Student Administration Office for an Application for Extension form). The extension must be approved in advance of the scheduled review or hand-in except in situations where the nature of the illness or other circumstance prevents this. **Work submitted late without the prior agreement of the Course Coordinator will be penalised by a failing grade of E. Furthermore, if work is not handed in within 5 working days of the review without the prior agreement of the Course Coordinator it will be recorded as a non submission.**

Work submitted late **must** be submitted directly to the Course Coordinator. Any project work left on the project shelves or elsewhere will be entered on the grade sheet as a no-submission

## ATTENDANCE AND PARTICIPATION

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.

The design studio operates at three levels of instruction: the whole class, the tutorial group, and the individual. The studio thus involves both collective and individual participation from individuals in the group. Tutors will be in the studio at all scheduled times undertaking group and individual instruction and reviewing project work. Ongoing discussion will be critical to the development of your design work.

Therefore, for the studio to operate effectively, students are expected to arrive on time, to be present for the whole studio session, (unless there are reasons why they cannot) and to actively participate in group and one-to-one discussions with your tutor. It is also expected that students will bring to the studio sessions the appropriate equipment and supplies needed to work productively on the design projects and to complete this project work on time. The intensity and regularity of participation in the studio is unerringly reflected in the understanding and quality expressed in the resulting work.

Students are expected to maintain an acceptable level of cleanliness and tidiness in the studio as outlined in the Studio Culture Policy which is displayed in all studios.

## COURSE EXPECTED WORKLOAD

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

[http://www.victoria.ac.nz/home/about\\_victoria/avcacademic/publications/assessment-handbook.pdf](http://www.victoria.ac.nz/home/about_victoria/avcacademic/publications/assessment-handbook.pdf)

## MATERIALS AND EQUIPMENT REQUIRED

Students will need to provide all materials and equipment as necessary for the completion of required work.

It is recommended that you have your own laptop although computer facilities are available at the School. If you are purchasing a laptop and would like information on the minimum requirements please contact the Student Administration Office. While digital cameras are available at the school, it is also recommended that students consider purchasing a digital camera (6 mpxl minimum) and a small tripod. Note: The Student Loan, administered by StudyLink, allows students to claim up to \$1000 for course related costs for each year of study.

## RECORDING OF WORK AND PORTFOLIO

You are strongly encouraged to respect and care for your work, making and recording a visual summary of each project in this course. This may be in digital and/or hard copy. The principal purpose of this is to maintain a record of your work for incorporation into your own personal "Design Portfolio". Recording a summary of your work also means it is available if needed for you or the School to exhibit or publish.

A photo studio is provided on level 2 VS2.18, please respect this facility.

## SUBMISSION 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. Late submissions will be penalised as set out above, unless an extension is approved by the Course Coordinator.

## EXTENSIONS

In the event of illness or other extraordinary circumstances that prevent you from submitting 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. Work submitted late must be submitted to the Course Coordinator.

## MANDATORY COURSE REQUIREMENTS

In order to pass the course you must also satisfy the following mandatory course requirements:

- Discuss your project progress with your tutor or the Course Coordinator at least weekly and attend at least 80% of the studio sessions
- Submit all 5 Labs
- Attend and present your project work at all scheduled critical reviews

SCHEDULE OF SESSIONS (Assessments to be noted)

	Day	Day	Item	Assignments Tasks
Week 29 July	M	16		
	TU	17		
	W	18	<b>Lecture</b>	Studio project 1
	TH	19		
	F	20	<b>Lecture</b>	<i>Introduce Lab 1</i>
Week 30 July	M	23		
	TU	24		
	W	25	<b>Lecture</b>	Studio project 1
	TH	26		
	F	27	<b>Lecture</b>	<i>Introduce Lab 2 &amp; Review Lab 1</i>
Week 31 July	M	30		
	TU	31		
	W	1	<b>Lecture</b>	Studio project 1
	TH	2		
	F	3	<b>Lecture</b>	<i>Introduce Lab 3 &amp; Review Lab 2</i>
Week 32 August	M	6		
	TU	7		
	W	8	<b>Review</b>	Studio project 1 <b>Submission 25%</b>
	TH	9		
	F	10	<b>Lecture</b>	<i>Introduce Lab 4 &amp; Review Lab 3</i>
Week 33 August	M	13		
	TU	14		
	W	15	<b>Lecture</b>	Studio project 2
	TH	16		
	F	17	<b>Lecture</b>	<i>Introduce Lab 5 &amp; Review Lab 4</i>
Week 34 August	M	20		
	TU	21		
	W	22	<b>Lecture</b>	Studio project 2
	TH	23		
	F	24		
Week 35 August	M	27		
	TU	28		
	W	29		
	TH	30		
	F	31		
Week 36 September	M	3		
	TU	4		
	W	5		
	TH	6		
	F	7		
Week 37 September	M	10		
	TU	11		
	W	12	<b>Lecture</b>	Studio project 2
	TH	13		
	F	14	<b>Lecture</b>	<i>Review Lab 5</i>
Week 38 September	M	17		
	TU	18		
	W	19	<b>Review</b>	Studio project 2 <b>Submission 25%</b>
	TH	20		
	F	21		
Week 39 September	M	24		
	TU	25		
	W	26	<b>Lecture</b>	Introduce project 3
	TH	27		
	F	28		<i>Review Lab 5</i>
Week 40	M	1		

<b>October</b>	TU	2		
	W	3	<b>Lecture</b>	Studio project 3
	TH	4		
	F	5		
<b>Week 41 October</b>	M	8		
	TU	9		
	W	10	<b>Lecture</b>	Studio project 3
	TH	11		
<b>Week 42 October</b>	F	12		
	M	15		
	TU	16		
	W	17	<b>Lecture</b>	Studio project 3
<b>Week 43 October</b>	TH	18		
	F	19		
	M	22		
	TU	23		
<b>Week 44 October</b>	W	24		
	TH	25		
	F	26		
	M	29		
<b>Week 45 November</b>	TU	30		
	W	31		Project 3 Submission 35%
	TH	1		
	F	2		
<b>Week 46 November</b>	M	5		
	TU	6		
	W	7		
	TH	8		
<b>Week 47 November</b>	F	9		
	M	12		
	TU	13		
	W	14		
<b>Week 48 November</b>	TH	15		
	F	16		
	M	19		
	TU	20		
<b>Week 49 November</b>	W	21		
	TH	22		
	F	23		

## 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 <http://schoolofdesign.ac.nz>.

## 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.

## 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. Victoria University's reputation for academic integrity adds value to your qualification.

The University 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 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 University's website:

[www.victoria.ac.nz/home/studying/plagiarism.html](http://www.victoria.ac.nz/home/studying/plagiarism.html)

## USE OF TURNITIN

Student work provided for assessment in this course may be checked for academic integrity by the electronic search engine <http://www.turnitin.com>. Turnitin is an online plagiarism prevention tool which compares submitted work with a very large database of existing material. At the discretion of the Head of School, handwritten work may be copy-typed by the School and subject to checking by Turnitin. Turnitin will retain a copy of submitted material on behalf of the University for detection of future plagiarism, but access to the full text of submissions is not made available to any other party.

## GENERAL UNIVERSITY POLICIES & STATUTES – WHERE TO FIND MORE DETAILED INFORMATION

Students should familiarise themselves with the University's policies and statutes, particularly the Assessment Statute, the Personal Courses of Study Statute, the Statute on Student Conduct and any statutes relating to the particular qualifications being studied; see the *Victoria University Calendar* or the University's policy website <http://www.victoria.ac.nz/home/about/policy>

### **Student and staff conduct**

The Statute on Student Conduct together with the Policy on Staff Conduct ensure that members of the University community are able to work, learn, study and participate in the academic and social aspects of the University's life in an atmosphere of safety and respect. The Statute on Student Conduct contains information on what conduct is prohibited and what steps are to be taken if there is a complaint. For information about complaint procedures under the Statute on Student Conduct, contact the Student Interest and Disputes Resolution Advisor or refer to the statute on the Victoria policy website at: <http://www.victoria.ac.nz/home/about/policy>

The Policy on Staff Conduct can also be found at: <http://www.victoria.ac.nz/home/about/policy>

### **Academic grievances**

If you have any academic problems with your course you should talk to the tutor or lecturer concerned; class representatives may be able to help you in this. If you are not satisfied with the result of that meeting, see the Head of School or the relevant Associate Dean; The Student Interest and Dispute Resolution Advisor is available to assist in this process. If, after trying the above channels, you are still unsatisfied, formal grievance procedures can be invoked. These are set out in the Academic Grievance Policy which is published on the Victoria website at: <http://www.victoria.ac.nz/home/about/policy>

There is also a leaflet explaining the grievance process available from the Academic Office website at: [http://www.victoria.ac.nz/home/about\\_victoria/avcacademic/Publications.aspx#grievances](http://www.victoria.ac.nz/home/about_victoria/avcacademic/Publications.aspx#grievances)

### **Students with Impairments**

Refer to the [\*Meeting the Needs of Students with Impairments Policy\*](#), available on the University's policy website <http://www.victoria.ac.nz/home/about/policy>

The University has a policy of reasonable accommodation of the needs of students with impairments. The policy aims to give students with disabilities the same opportunity as other students to demonstrate their abilities. If you have a disability, impairment or chronic medical condition (temporary, permanent or recurring) that may impact on your ability to participate, learn and/or achieve in lectures and tutorials or in meeting the course requirements, please contact the course coordinator as early in the course as possible. Alternatively, you may wish to approach a Student Adviser from Disability Services to discuss your individual needs and the available options and support on a confidential basis. Disability Services are located on Level 1, Robert Stout Building: telephone 463-6070 email: [disability@vuw.ac.nz](mailto:disability@vuw.ac.nz)

Information regarding support is available from the Faculty Office reception desk.

### **Student Support**

Staff at Victoria want students to have positive learning experiences at the University. There are a number of support services available to help you directly if your academic progress is causing concern or if there are elements in your life that are affecting your ability to study. These include:

- Your course coordinator or programme director;
- Staff in your Faculty Student Administration Office Student Dedicated learning support through Student Learning Support Service; Kaiwawao Māori; Maanaki Pihiphipinga; Disability Support Services and Victoria International;
- Wider holistic support through the Health Service; Counselling Service; Financial Support and Advice; Accommodation Service and Career Development and Employment. Find out more at [www.victoria.ac.nz/st\\_services/](http://www.victoria.ac.nz/st_services/) or email [student-services@vuw.ac.nz](mailto:student-services@vuw.ac.nz);
- VUWSA employs a Student Advocate who deals with academic problems and provides support, advice and advocacy services, as well as training and supporting class representatives and faculty delegates. The Education Office is located on the ground floor, Student Union Building. Email [education@vuwsa.org.nz](mailto:education@vuwsa.org.nz) or tel. 463-6716 or 463-6984.

## TE ARO CAMPUS BUILDING RULES AND FACILITIES

Students on the Te Aro Campus are required to comply with the Faculty Guidelines relating to the safe use, access and care of the Architecture and Design technical resources and building facilities. These are available on the School website, and in the following documents available from the student R drive:

<R:\Student Health and Safety Information>

**FAD Health & Safety Handbook** – <http://www.victoria.ac.nz/fad/facilities/3d-model-workshops.aspx>

- Workshop and campus safety
- Safety training and safety precautions for the workshops
- FAD hazard Register
- Te Aro Campus floor plans

**FAD Technical Services and Facilities Handbook** – issued to all staff and available to all students on the student R drive, covering various local practices, including information on:

- Information for new staff and students
- Access and booking of teaching/studio spaces, and technical resources
- Studio etiquette and rules pertaining to exhibitions, critiques and storage of models/drawings
- Housekeeping/cleaning within the studios and workshops
- Information on Te Aro IT systems and support
- Te Aro campus floor plans

General information on Faculty/School Technical Facilities including **technical staff** and their associated areas: <http://www.victoria.ac.nz/fad/facilities>

### WHERE TO GET HELP

Faculty of Architecture and Design Student Administration Office – Vivian Street – Level One

The Faculty's Student Administration Office is located on the first floor of the Vivian Street Wing. The first floor counter is the first point of contact for general enquiries and Faculty forms. Student Administration Advisors are available to discuss course status and give further advice and the Faculty qualifications. To check for opening hours call the Faculty Student Administration Office on (04) 463 6200.

## HEALTH AND SAFETY

Students are reminded that they must comply with any health and safety instructions given by staff members in charge or work places and instructions and signs posted around the campus. All students should familiarise themselves with the *FAD Health and Safety Manual* and *Notices around the Workshops and Laboratories*. Students are advised to refer to the Student R drive for safety and other relevant information. <R:\Student Health and Safety Information>

## WITHDRAWAL DATES

Information on withdrawals and refunds can be found at:

<http://www.victoria.ac.nz/home/admisenrol/payments/withdrawalsrefunds.aspx>

# School of Design