ABPL90378 Tectonic Grounds

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: February, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Intensive runs 12 x 8 hours a day Total Time Commitment: 170 Hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	Knowledge of CAD drawing Workable knowledge of Rhino preferred
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability
Coordinator:	Mr Mond Qu, Ms Jannette Le
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Subject Overview:	This subject will be exploring digital fabrication techniques, physical computing and rapid (laser-cut) 1:1 prototyping to deliver a 1:1 folly. The subject will have an emphasis on hands-on exploration of spatial and creative processes will challenge the role of drawing, making and constructing skills within today's technology. Tectonic Grounds will involve teamwork and will be focussed on creating an interdisciplinary approach to utilise computing tools (digital + physical) for architectural design.
Learning Outcomes:	On successful completion of this subject, students should be able to: # Identify emerging digital trends in practice # Develop design ideas through rapid prototyping # Demonstrate an understanding of design tools such as grasshopper, arduino and their direct application into a final design product. # Communicate design solutions by means of sketches, drawings and oral presentations.
Assessment:	Design presentation (Oral presentation with accompanying visual sketches and diagrams), due week 1, (30%), equivalent to 1,500 words. Final Design Presentation (Oral presentation

	with accompanying visual sketches and diagrams with working pavilion), due week 2, (60%), equivalent to 3,000 words. Participation in tasks within the workshop, continuing assessment, (10%)
Prescribed Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	# Written, verbal and visual presentation of ideas # Time management, including designing within specific time frames # Methods of documentation # Critical thinking and analysis # Ability to understand construction constraints and strategies using digital and physical modelling
Links to further information:	http://msd.unimelb.edu.au/graduate-programs
Related Course(s):	Master of Architecture
Related Majors/Minors/ Specialisations:	200 point Master of Architecture Melbourne School of Design multidisciplinary elective subjects