ABPL90123 Digital Design Applications

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus. Quota: 25 This subject is a quota subject and places are limited. Students may provisionally enrol via the Student Portal, but places are not guaranteed until selection is completed. You will be notified in writing by the Student Centre if you are selected. Selection criteria: Academic merit For detailed information on the quota subject application process and due dates, refer to the EDSC Quota Subjects webpage: http://edsc.unimelb.edu.au/quota-subjects
Time Commitment:	Contact Hours: 3 hours per week Total Time Commitment: 170 Hours
Prerequisites:	Admission into a course at the Melbourne School of Design.
Corequisites:	None
Recommended Background Knowledge:	None
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 Dominik Holzer
Contact:	Email: **dominik.holzer@unimelb.edu.au (mailto:dominik.holzer@unimelb.edu.au)** The Eastern Precinct (building 138) (between Doug McDonell building and Eastern Resource Centre) **Enquiries:** Current Student: **http://ask.unimelb.edu.au/ (http://ask.unimelb.edu.au/)** Web: **http://msd.unimelb.edu.au/ (http://msd.unimelb.edu.au/)**
Subject Overview:	This subject focuses on algorithmic digital form explorations using intensive computational scripting coupled with fabrication of detailed material models. The selected topics introduced in the subject include: variational design, interactive skins and spaces, materials and technologies of digital fabrication.
Learning Outcomes:	On completion of the subject students should have developed: ＃ knowledge of the impact of digital technology on theoretical issues in spatial design; ＃ critical awareness of the relationship between representation and spatial design with an emphasis on digital design environments; ＃ skills in the use of computational design and digital technologies.
Assessment:	Attendance and class participation throughout the semester (10%) Reflection on 2-3 texts out of the 'Readings' material during seminar sessions, 10 minute presentation per student, with a 2 page (1000 word) summary (15%) Design Task: A3 folio of 'process' work, due at the end of the

	exam period (15%) Explanatory text (approx. one side of A4), due at the end of the exam period (10%) Physical Model(s) and A1 poster of design due at the end of the exam period (50%)* *Physical Model(s) – At least one model that shows a significant section of your design @ 1:20. A1 poster needs to communicate the key ideas behind your proposal, can be a combination of typical architectural drawings/diagrams/renders.
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:	# Critical thinking and analysis. # Information gathering and critical synthesis. # Comprehension of complex concepts and the ability to express them lucidly in writing. # Methods of documentation and presentation.
Related Course(s):	Master of Architecture Master of Architecture Master of Design (Urban Design) Master of Urban Design
Related Majors/Minors/ Specialisations:	200 point Master of Architecture 300 point Master of Architecture Melbourne School of Design multidisciplinary elective subjects