

Research and Development

Year and Campus:	2012																											
Coordinator:	Professor Paolo Tombesi																											
Contact:	Environments and Design Student Centre Ground Floor, Baldwin Spencer (building 113) Enquiries Phone: 13 MELB (13 6352) Website: http://www.msd.unimelb.edu.au (http://www.msd.unimelb.edu.au/)																											
Overview:	The specialisation in research and development caters for students interested in pursuing higher research degrees in construction and developing an academic career, or occupying R&D positions in the industry. It is designed to provide an all-encompassing view of the industry and its challenges, as well as promote analytical, problem-definition and problem-solving skills.																											
Objectives:	<ul style="list-style-type: none"> # Develop a broad theoretical understanding of the construction sector; # Identify needs in the knowledge base or the product market of the construction sector; # Understand the mechanisms of technological change in construction; # Define appropriate R&D pathways in the private and the public sector. 																											
Structure & Available Subjects:	<p>All students must take:</p> <ul style="list-style-type: none"> # 100 points of core specialisation subjects # 50 points of specialisation electives # 50 points of multidisciplinary electives which may include any of the following: <ol style="list-style-type: none"> 1 Additional specialisation electives. 2 Any Melbourne School of Design subject(s) provided preprerequisites are met. 3 Any University of Melbourne graduate subject(s) provided prerequisites are met and written approval is obtained from both the faculty through which the subject is offered and the course coordinator. Such approval must be provided to the Environments and Design Student Centre before teaching commences. <p>Students should choose specialisation and multidisciplinary electives in consultation with the course coordinator.</p>																											
Subject Options:	<p>Research and Development specialisation subjects</p> <p>Core specialisation subjects</p> <p>Students are required to successfully complete all of the following subjects (100 points) in order to obtain the Research and Development specialisation in the Master of Construction Management.</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ABPL90310 Construction Industry and Environment</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ABPL90309 Supply Chains in Construction</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ABPL90085 Culture of Building</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ABPL90326 Technological Innovations</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ABPL90217 MSD Minor Thesis (Part 1)</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>ABPL90218 MSD Minor Thesis (Part 2)</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>ABPL90329 Construction Policy</td> <td>Not offered 2012</td> <td>12.50</td> </tr> <tr> <td>ABPL90330 Economics of Building</td> <td>Not offered 2012</td> <td>12.50</td> </tr> </tbody> </table> <p>Elective specialisation subjects</p>	Subject	Study Period Commencement:	Credit Points:	ABPL90310 Construction Industry and Environment	Semester 2	12.50	ABPL90309 Supply Chains in Construction	Semester 1	12.50	ABPL90085 Culture of Building	Semester 1	12.50	ABPL90326 Technological Innovations	Semester 2	12.50	ABPL90217 MSD Minor Thesis (Part 1)	Semester 1, Semester 2	12.50	ABPL90218 MSD Minor Thesis (Part 2)	Semester 1, Semester 2	12.50	ABPL90329 Construction Policy	Not offered 2012	12.50	ABPL90330 Economics of Building	Not offered 2012	12.50
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Students are required to successfully complete at least 50 points from the following subjects in order to obtain the Research and Development specialisation in the Master of Construction Management.

Subject	Study Period Commencement:	Credit Points:
ABPL90086 Environmental Systems	Semester 2	12.50
ABPL90277 International Construction	Not offered 2012	12.50
ABPL90010 Advanced Construction Technology	Semester 1	12.50
ABPL90308 Experiences in Industry	Not offered 2012	12.50
ABPL90032 Building Services and Operations	Semester 1	12.50
ABPL90135 Analytical Methods	Semester 1	12.50
ABPL90030 Project Evaluation	Semester 1	12.50
ABPL90325 Prefabrication in Building	Semester 2	12.50
ABPL90327 Procurement Methods	Semester 2	12.50
ABPL90332 Labour in Construction	Not offered 2012	12.50
ABPL90331 ICT in Building	Not offered 2012	12.50
ABPL90311 Studies in Building Cultures and Markets	Semester 2	12.50

Multidisciplinary electives

Students may take up to 50 points of multidisciplinary electives, including any University of Melbourne graduate subject provided prerequisites are met and written approval is obtained from the course coordinator. For a list of Melbourne School of Design graduate subjects without prerequisites, click [here](http://www.msd.unimelb.edu.au/current-students/msd-students/msd-electives.html) (<http://www.msd.unimelb.edu.au/current-students/msd-students/msd-electives.html>) .

Links to further information:

<http://www.msd.unimelb.edu.au/construction/>

Related Course(s):

Master of Construction Management
Master of Construction Management