

## ABPL90326 Technological Innovations

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	This subject is not offered in 2013.
<b>Time Commitment:</b>	Contact Hours: 3 hours per week Total Time Commitment: 120 hours
<b>Prerequisites:</b>	Admission to the following programs: MC-CONMG2Y Master of Construction Management (200 points) MC-CONMG3Y Master of Construction Management (300 points) MC-PROP2Y Master of Property (200 points) MC-PROP3Y Master of Property (300 points) MC-ARCH2Y Master of Architecture (200 points) MC-ARCH3Y Master of Architecture (300 points) Or approval from the subject coordinator.
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt;         &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>
<b>Contact:</b>	Environments and Design Student Centre Ground Floor, Baldwin Spencer (building 113) Enquiries Phone: 13 MELB (13 6352) Website: <a href="http://www.msd.unimelb.edu.au">http://www.msd.unimelb.edu.au</a> ( <a href="http://www.msd.unimelb.edu.au">http://www.msd.unimelb.edu.au</a> )
<b>Subject Overview:</b>	An examination of how new products and processes are developed specifically in or for the building sector; a discussion of what constrains their dissemination; and a theory of how success can be determined. The dialogue established with the students in the subject has a strong comparative bent, and seeks to emphasise how technological innovation in building takes on a different meaning depending on industrial context, markets and economic cycles. Australian government positions and characteristics of the Australian industry are compared to other geographic realities to emphasise this point. Overall, attention is directed at distinguishing innovation from invention and technological change.
<b>Objectives:</b>	<ul style="list-style-type: none"> <li># To introduce students to product substitution processes and their logics in the construction industry;</li> <li># To articulate the impact of 'non-building' factors over introduction and dissemination of change in building;</li> <li># To clarify the extent to which the construction industry operates in conjunction with manufacturing, real estate, and policy sectors;</li> <li># To enable students articulate the conditions enabling technological transformations to take place.</li> </ul>
<b>Assessment:</b>	Class participation (10%). Gathering of discussion-specific data (30%). Essay to the equivalent of not more than 5,000 words (60%) due end of semester.
<b>Prescribed Texts:</b>	None

<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<ul style="list-style-type: none"> <li># Ability to peruse project archives;</li> <li># Ability to undertake ideal-type analysis;</li> <li># Understanding of the type of industrial data required in socio-technical studies;</li> <li># Ability to identify and use building industry's databases;</li> <li># Ability to derive theoretical positions from empirical work;</li> <li># Ability to prepare and conduct technical interviews with industry representatives;</li> <li># Ability to combine data from primary and secondary sources for the development of a technical argument;</li> <li># Ability to translate these data into a cohesive piece of original research.</li> </ul>
<b>Related Majors/Minors/ Specialisations:</b>	Building Systems and Trade Specialties Corporate Management Policy Research and Development