

### TECHNICAL LECTURES

Week	Date			Topic
Week4	Tue	12	Oct	<b>Tech lecture 1 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Integrated design technology Introduction: Rahesh Ram, Reenie Elliott , Fredrik Walin &amp; Francois Girardin</b> Introduction to lecture series, arrangements for studio integration, outcomes, atelier technology positions, schedule, portfolios and assessment, course spec, dressing buildings for the weather.
Week5	Tue	19	Oct	<b>Tech lecture 2 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Francois Girardin presents: 'Wood'</b> Explanation of its properties & Exploration of its possibilities within the architectural field.
Week6	Tue	26	Nov	<b>Tech Lecture 3 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Fredrik Walin presents: 'Building with mass'</b> An exploration of the dried masonry materials Recommended reading: 1 'The ecology of building materials' by Bjørn Berge, ISBN: 0750633948 2 'Building : 3000 years of design engineering and construction' by Bill Addis, ISBN: 9780714841465
Week7	Tue	2	Nov	<b>Tech Lecture 4 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Howard Gilby presents: 'Open'</b> Timber & glass in church extension Recommended reading: 1 "MATERIALS for architectural Design" by Victoria Ballard Bell with Patrick Rand isbn1-85669-480-1 2"Lessons for students in Architecture" by Herman Hertzberger isbn 90-6450-562-4
Week8	Tue	9	Nov	<b>Tech Lecture 5 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Anthony Kelly presents: 'The use of steel in multi-storey construction'</b> 'Bending Moments, Shear Stresses, and Structural Design' Recommended reading: Chudley, R & Greeno, R, (2008) Building Construction Handbook, 7th edition, Butterworth-Heinemann Foster J S et al, (2007) Mitchell's Structure and Fabric Part 2, 7 <sup>th</sup> edition. Pearson
Week9	Tue	16	Nov	<b>Tech Lecture 6 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Fredrik Walin presents: 'Stacking matter'</b> An exploration of the fired masonry materials Recommended reading: 1 'Brickwork: architecture and design' Andrew Plumridge & Wim Meulenkamp. ISBN: 0289800870 2 'A visual dictionary of architecture' by Francis D.K. Ching, ISBN: 0471284513
Week10	Tue	23	Nov	<b>Tech Lecture 7 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Cordula Weisser presents: 'sur les pavés, la ferme!'</b>
Week11	Tue	30	Nov	<b>Tech Lecture 8 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Howard Gilby presents 'Shadow gaps and movement joints'</b> Technical implications of designing an architecture which is capable of change and adaptation over time Recommended reading: 1 "Design for Ecological Democracy" by Randolf T Hester isbn 10: 0-262-08351-5 2 "Space and the Architect (Lessons in Architecture 2)" by Herman Hertzberger isbn 90-6450-380-x
Week11	We	12	Jan	<b>GREENwichFORUM @ 3pm maritime campus</b>
	Tue	18	Jan	<b>Tech Lecture 9 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Reenie Elliot presents: 'Material misuse'</b> Recommended reading 1 'Material Misuse' by Kennedy/Violich ref code: 721.044KEN 2 Corus 'Building in steel' dvds: making steel, fabrication and construction, 3 Mitchells structure and fabric part 2
Week19	Tue	25	Jan	<b>Tech Lecture 10 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Richard Wilson presents: 'Turning the Place Over'</b> Made for Liverpool, European Capital of Culture, the work comprises a vast ovoid section of a façade that rotates three dimensionally on a spindle.
Week20	Tue	1	Feb	<b>Tech Lecture 11 @ 5.30pm Norbert Singer Lecture Theatre M055</b> <b>Lance Rowell and Alex Heslop presents: 'Fabric Tensile structures'</b>

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				Principles, applications and details
Week 21	Tue	8	Feb	<p><b>Tech Lecture 12 @ 5.30pm Norbert Singer Lecture Theatre M055</b>  <b>Howard Gilby</b> presents <b>'Shadow gaps and movement joints'</b>          Technical implications of designing an architecture which is capable of change and adaptation over time          Recommended reading:          1 "Design for Ecological Democracy" by Randolph T Hester isbn 10: 0-262-08351-5          2 "Space and the Architect (Lessons in Architecture 2)" by Herman Hertzberger isbn 90-6450-380-x</p>
Week 22	Tue	15	Feb	<p><b>Tech Lecture 13 @ 5.30pm Norbert Singer Lecture Theatre M055</b>  <b>Rick Hunter</b> presents: <b>'Materials and Structures in Action'</b>          The understanding of how building structures and materials work with each other, the environment and how you get it right.          Recommended reading:          1 'Mitchell 's Introduction to Building' and the subsequent publications in the series          2 'In Detail – Building Simply' by Christian Schittich.</p>
Week 23	Tue	22	Feb	<p><b>Tech Lecture 14 @ 5.30pm Norbert Singer Lecture Theatre M055</b>  <b>Carl Turner</b> presents: <b>'Plastic in construction'</b>          Principles, architectural applications and details</p>
Week 24	Tue	1	Mar	<p><b>Tech Lecture 15 @ 5.30pm Norbert Singer Lecture Theatre M055</b>  <b>Reenie Elliot</b> presents: <b>'Nature and artifice'</b>          Recommended reading:          Andrea Deplazes 'Constructing Architecture', large book in library</p>