



COURSE DETAILS

Units of Credit	6	
Contact hours	6 hours per week	
Class	Tuesday, 14:00 – 16:00 Thursday, 14:00 – 16:00	Online
Workshop	Thursday, 16:00 – 18:00 Friday, 11:00-13:00 Friday, 13:00-15:00 Friday, 15:00-17:00	
Course Coordinator and Lecturer	A/Prof Ehab Hamed email: e.hamed@unsw.edu.au office: Rm 716 Civil and Environmental Engineering Building (H20) phone: 93859765	
Teaching Assistant	Dr Iman Al-Damad email: i.al-damad@unsw.edu.au office: Rm 802 Civil and Environmental Engineering Building (H20)	

INFORMATION ABOUT THE COURSE

This course introduces students to structural analysis and computer modelling of structures. It explains the theory and physics behind existing computer software that are used for the analysis of complicated structures. It also provides students with a better understanding of the structural behaviour of beams, frames and trusses under different loading

structural deformations.

Quiz	15	Week 5	The quiz will be assessed on the basis of technical accuracy of calculations and evidence of good engineering judgment. The
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3	16/06/2020	The principle of work – Deformations in statically determinate structures.
4	23/06/2020	Force/Flexibility method for statically indeterminate trusses.
5	30/06/2020	Force/Flexibility method for statically indeterminate frames.
6	07/07/2020	Mid-Term break
7	14/07/2020	Principles of stiffness analysis in trusses.

