ME - CIVIL ENGINEERING

Study plans for commencement in Semester 2

CIVIL PG Coursework: www.civil.uq.edu.au/study/postgraduate-coursework

EAIT faculty home: www.eait.uq.edu.au

Semester 2 start - ODD year

		PARTS A2 and A3 - Compulsory					Part B - Advanced BE (Hons) electives and Part C - ME electives																								
							Multi disciplinary	Research		Water and Environmental							Geotechnical				Structures				Transport					Fire		
Odd	Semester 2	ENGG7902 Engineering innovation and leadership	CIVL7505 Research methods for civil engineers	Elective	Elective	Semester 2	CIVL4522 Analytical Methods for the Design of Construction Operations			CIVL4110° Coastal & estuarine processes ODD							CIVL4230 Advanced soil mechanics	CIVL4280 Advanced rock mechanics	CIVL7225 Dam and embankment engineering		CIVL4332 Advanced structural analysis	CIVL4334 Design of timber structures	CIVL7315 Advanced concrete structures and concrete technology	CIVL7360 Computational Design and Digital Workflows	CIVL4412 Travel behaviour and transport modelling	CIVL4450 Traffic Flow Theory and Emerging Technologies	CIVL4460 Highway geometric design	CIVL7435 Traffic Simulation				FIRE7620 Fire dynamics
Even	Semester 1	ENGG7901 Professional engineering and business environment: Global practice	Elective	Elective	Elective	Semester 1	CIVL4340 Wind Engineering					CIVL4170 Environmental Risk Assessment and Management		CIVL7135 Advanced Environmental Monitoring Techniques for Civil Engineers	CIVL7155@ Environmental Fluid Mechanics - Modelling Applications EVEN	CIVL7131 Urban Hydrology	MINE4000 Mine waste management and landform design	CIVL4270 Geotechnical investigating and testing	CIVL7215 Ground improvement and remediation technologies		CIVL4333 Advanced concrete design		CIVL7350 Design of composite structures					CIVL7415 Transport Data Analytics	CIVL7425 Strategic Transport Modelling	FIRE3700 Introduction to fire safety engineering	FIRE4610 Fire engineering design: Solutions for implicit safety	FIRE7660 Structural fire engineering
Even	Semester 2	CIVL7514 Research project	Elective	Elective	Elective	Semester 2	CIVL4522 Analytical Methods for the Design of Construction Operations	CIVL7501& Research thesis		CIVL4120° Advanced Hydraulic Engineering and Structures EVEN	CIVL4145 Groundwater Modelling and Management						CIVL4230 Advanced soil mechanics	CIVL4280 Advanced rock mechanics	CIVL7225 Dam and embankment engineering	CIVL7235° Underground structures EVEN	CIVL4332 Advanced structural analysis	CIVL4334 Design of timber structures	CIVL7315 Advanced concrete structures and concrete technology	CIVL7360 Computational Design and Digital Workflows	CIVL4412 Travel behaviour and transport modelling	CIVL4450 Traffic Flow Theory and Emerging Technologies	CIVL4460 Highway geometric design	CIVL7435 Traffic Simulation				FIRE7620 Fire dynamics
Odd	Semester 1		Elective	Elective	Elective	Semester 1	CIVL4340 Wind Engineering					CIVL4170 Environmental Risk Assessment and Management		ENVE6110 Environmental Sensor Systems and Monitoring Techniques		CIVL7131 Urban Hydrology	MINE4000 Mine waste management and landform design	CIVL4270 Geotechnical investigating and testing	CIVL6215 Ground improvement and remediation technologies		CIVL4333 Advanced concrete design		CIVL7350 Design of composite structures					CIVL7415 Transport Data Analytics	CIVL7425 Strategic Transport Modelling	FIRE3700 Introduction to fire safety engineering	FIRE4610 Fire engineering design: Solutions for implicit safety	FIRE6110 Structural fire engineering

Enrol in CIVL7514 in both semesters

Enrol in CIVL7501 in both semesters

Semester 2 start - EVEN year

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Enrol in CIVL7514 for both semesters

Enrol in CIVL7501 in both semesters

o Course offered in ODD years only.
e Course offered in EVEN years only.
@ Some Part C electives are available only every second year. Students may need to do them in their 1st year.
& CIVL7500/CIVL7501 (#8 units) may be taken in lieu of CIVL7513/CIVL7514 and two electives.

Revised: 12/07/2021