

# Prescriptions and Schedule of Papers for 2007

## Mode of Delivery

*	= Not available in 2007
B1, B2, B3	= Available as a block course
E, E1, E2	= Available extramurally
F1	= Face to face teaching
I, I1, I2, I3, I4, I5, I6, I7, I8, I9, I10, I11, I12, I13, I14, I15, I16, I17, I18, I19, I20, I21, I22, I23, I24, I25, I26, I27, I28, I29, I30, I31, I32, I33, I34, I35, I36, I37, I38, I39, I40, I41, I42, I43, I44, I45, I46, I47	= Available internally

## Semesters

S1	Semester One
S2	Semester Two
S3	Summer School
S12	Double Semester

## Locations

AG	Auckland Geographic Area
AL	Massey Albany
CG	Christchurch Geographic Area
CH	Christchurch
EM	Employers and Manufacturers Assc
HK	Hokowhitu Campus
HW	Hawkes Bay
MA	Military Stds Inst. Auckland
NT	Email/Internet
PG	Papua New Guinea Geographic Area
PN	Massey Palmerston North
RU	Ruawhoro Campus
SP	Singapore Aviation Academy
TH	Thailand Aviation Academy
TN	Tonga Geographic Area
WG	Wellington Geographic Area
WL	Massey Wellington

Paper No./Title	Credits	Sem	Mode	Loc
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## Building and Construction

<b>218.211</b>	15 credits	S2	I	WL
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### Estimating

Concepts of building estimates and tenders for construction and civil engineering works. Techniques in analysing and costing schedules of quantity items. Preparation and analysis of sub-contract tenders. Includes laboratory and practical work.

<b>218.213</b>	15 credits	S2	I	WL
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### Measuring Systems

Principles of measuring systems for construction and civil engineering works. Introduction to commercial measuring packages. Techniques are illustrated with case studies workshops and laboratory and practical work.

<b>218.311</b>	15 credits	S1	E	WL
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### Feasibility and Cost Planning

Principles of cost planning including elemental cost plans, cost modelling, life cycle costing and feasibility studies. Includes laboratory and practical work.

<b>218.315</b>	15 credits	S1	E	WL
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### Professional Practice, Advocacy and Ethics

The legal, financial, business, ethical and professional practice of a Construction Professional, Construction law, Contract documentation and administration, arbitration, advocacy and disputes resolution. Management of projects through phases of feasibility, design and contract administration.

<b>218.414</b>	15 credits	S1	E	WL
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### Construction Technology and Operations

This paper continues the study of construction and project engineering through a series of topics relating to the organisation of construction and engineering sites. Including the analysis of resource requirements, selection and optimisation, hazard analysis and health and safety plans, method statements, planning, quality control, constructability techniques, alternative solutions and innovation.

<b>218.421</b>	15 credits	S2	E	WL
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### Construction Project

A supervised project, including an Information Technology component, requiring the synthesis of knowledge gained in previous papers to solve a construction industry problem.

Paper No./Title	Credits	Sem	Mode	Loc
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<b>218.422</b>	15 credits	S2	E	WL
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### Construction Research Project

A supervised research project, requiring the synthesis of knowledge gained in the research methodology paper, focused on a topical research issue in the construction industry.

<b>218.431</b>	15 credits	S2	E	WL
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### Facilities Management

Principles of facility management techniques. Strategic planning: space allocation systems, benchmarking techniques, strategies for non-core services, maintenance scheduling and costing, long and short-term budgets, optimisation of utilities resources. Assignment work based on practical examples, laboratory and practical work.