



UNIVERSITY OF THE EAST
Graduate School
Manila

Master of Science in Construction Management Thesis	Units
Core	
GCT 7101 Project Management in Construction	3
GCT 7102 Construction Accounting and Financial Management	3
GRR 7501 Statistical Methods Applied to Research	3
GRR 7502 Research Methods across Disciplines	3
	12
Major	
GCT 7201 Methods and Procedures in Construction	3
GCT 7202 Planning and Programming in Construction	3
GCT 7203 Engineering Work and Quality Control	3
GCT 7204 Project Safety and Risk Management	3
GCT 7205 Decision Making in Construction Management	3
GCT 7206 Contracts Specifications and Management : Changes, Claims and Negotiations	3
GCT 7207 Resource Management in Construction	3
	21
Elective	
GCT 7301 Lean Construction	3
GCT 7302 Case Studies in Project Operation	3
GCT 7303 Advanced Construction Productivity	3
GCT 7304 Special Topics in Construction Management	3
GIT 7108 Special Topics in Emerging IT	3
	3
GRR 7700 Comprehensive Examination	-
GRR 7980 Thesis I	3
GRR 7990 Thesis 2	3
At least one (1) publication in refereed journal or juried creative work.	6
Total	42

- ❖ Approved by the University of the East Board of Trustees on March 15, 2018.
- ❖ Initial offering Second Semester 2018-2019
- ❖ Government Recognition No. C-125, 1994
- ❖ CHED Acknowledgement Receipt 2018-2019
- ❖ PACUCOA Level I Accredited Status (June 2018-January 2021)

CORE

GCT 7101 Project Management in Construction

Organization structure design of construction firm to suit construction project; qualitative techniques to measure work accomplishments and status; project monitoring and control; effective project communication; problem solving and decision making (3 units)

GCT 7102 Construction Accounting and Financial Management

Theories and concepts of financial management and management accounting, application in practical decision making and maximizing the value of the construction firm for the interests of the owner and shareholder (3 units)

GRR 7501 Statistical Methods Applied to Research

Fundamentals of statistics as applied to master's degree research, including population, sample, parameter, statistics, and variable; the branches of statistics, sources of data, sampling concepts, sample selection methods; analysis and interpretation of data using statistics software (3 units)

GRR 7502 Research Methods across Disciplines

Methods and designs, concepts, processes, tools and interpretation of results of research in different disciplines (3 units)

MAJOR

GCT 7201 Methods and Procedures in Construction

Effective procedures, methods, equipment applied in the construction of horizontal and vertical projects; common problems encountered in the various stages of construction with corresponding alternative methods of execution (3 units)

GCT 7202 Planning and Programming in Construction

Modern methods of planning, programming, managing and applying construction project schedules; review of PERT CPM; quantity take offs; unit cost for labor and materials; analysis and control of project cost (3 units)

GCT 7203 Engineering Work and Quality Control

Quality control system to perform sufficient inspection and tests for items of work; conformance with the project specifications and drawings (3 units)

GCT 7204 Project Safety and Risk Management

Identification, analysis and evaluation of project safety and risk management, project security; traffic control; use of safety devices in construction and government regulations and specifications (3 units)

GCT 7205 Decision Making in Construction Management

Decision making strategies of construction managers in the different phases of project implementation, including unexpected scenarios (3 units)

GCT 7206 Contracts Specifications and Management: Changes, Claims and Negotiations

Law of contracts; analysis and interpretation of specifications; project communication, claims/negotiations and change order documents; contract negotiation and documentation; promotion and design construction (3 units)

GCT 7207 Resource Management in Construction

Problems and programs in the management of human resources, analytical approaches and implementing techniques in manpower management in the construction industry (3 units)

ELECTIVE

GCT 7301 Lean Construction

Fundamental concepts of lean construction: management, tools and equipment, measurements, techniques, and basic application; production management based on improved architecture, engineering, construction and product (3 units)

GCT 7302 Case Studies in Project Operation

Analysis of practical cases encountered by construction companies, principles and techniques used in the formulation and administration of construction policies operations and scope of responsibilities of construction managers (3 units)

GCT 7303 Advanced Construction Productivity

Management of construction productivity through application of advanced methods, crew balance methods, work sampling and process flow charts as a means in addressing problems that affect construction productivity (3 units)

GCT 7304 Special Topics in Construction Management

This course will address emerging topics and can be taken by the student twice when taught by two different visiting lecturers (3 units)

GIT 7108 Special Topics in Emerging IT

Credits: 3 units)

GRR 7700 Comprehensive Examinations

Prerequisite: Completion of all course work (0 Units)

GRR 7980 Thesis 1

Selection and presentation of research topic, writing and oral defense of research proposal (3 units; Prerequisite: GRR 7700 Comprehensive Examinations)

GRR 7990 Thesis 2

Conducting, writing and oral defense of master's thesis approved in Thesis 1 (3 units; Prerequisite: GRR 7980 - Thesis 1)

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