

UNIVERSITY OF THE EAST

Graduate School
Manila, Philippines

**Master In Information Technology (MIT)
Flexible Modular Program**

We recognize the needs of working Graduate Students to fit their continuing education pursuits in higher education around a work-life balance that supports their career directions and professional commitments. Supported by the university's active scientific community, public sector alumni linkages, and robust online learning environment, the Flexible Modular Program in Information Technology provides the opportunity to discover and learn cutting-edge knowledge and best practices from the latest technologies that are used in today's business:

Module	Semester	Courses
1. Information Technology Foundation	Semesters 1 and 2	GIT 7101 Parallel and Distributed Computing GIT 7102 Advanced Database Systems GIT 7103 Technology and Project Management GIT 7104 Advanced Systems Design and Implementation GIT 7106 Advanced Data Mining GIT 7107 Business Intelligence
2. Information Technology Specialization	Summer and Semester 3	GIT 7105 Network Security GIT 7108 Special Topics in Emerging IT GIT 7109 Organizational Change and Development GIT 7200 Enterprise Architectures GIT 7201 IT Service Management GIT 7202 Managing Technology Development GIT 7203 Cryptography GIT 7204 Intrusion Detection GIT 7205 Information Security and Assurance GIT 7206 Information Security-Risk Management GRR 7700 Comprehensive Examination
3. Capstone Project	Semester 4 and Summer	GIT 7908 Capstone Project 1 – Project Proposal GIT 7909 Capstone Project 2 – Project Implementation

Each module must be completed in its entirety. During Semester 3, it provides learners with the option to choose two courses essential to their work environment. The Comprehensive Examination will be administered on the 15th week of Semester 3.

Annex A

Course Sequence

Year 1				Year 2		
Week	Semester 1	Semester 2	Summer	Semester 3	Semester 4	Summer
1	GIT 7101	GIT 7104	GIT 7105	Elective 1	GIT 7908 - Capstone Project 1	GIT 7909 - Capstone Project 2
2	GIT 7101	GIT 7104	GIT 7105	Elective 1		
3	GIT 7101	GIT 7104	GIT 7105	Elective 1		
4	GIT 7101	GIT 7104	GIT 7108	Elective 1		
5	GIT 7101	GIT 7104	GIT 7108	Elective 1		
6	GIT 7101	GIT 7104	GIT 7108	Elective 1		
7	GIT 7102	GIT 7106		Elective 2		
8	GIT 7102	GIT 7106		Elective 2		
9	GIT 7102	GIT 7106		Elective 2		
10	GIT 7102	GIT 7106		Elective 2		
11	GIT 7102	GIT 7106		Elective 2		
12	GIT 7102	GIT 7106		Elective 2		
13	GIT 7103	GIT 7107		GRR 7700 - Comprehensive Examination (15 th week)		
14	GIT 7103	GIT 7107				
15	GIT 7103	GIT 7107				
16	GIT 7103	GIT 7107				
17	GIT 7103	GIT 7107				
18	GIT 7103	GIT 7107				

Annex B

Course Schedule**Year 1, Semester 1**

Week	Subject	Day	Time
1 to 6	GIT 7101	T Th Sat	6 to 9 p.m. 6 to 9 p.m. 9 to 12 nn
7 to 12	GIT 7102	T Th Sat	6 to 9 p.m. 6 to 9 p.m. 9 to 12 nn
13 to 18	GIT 7103	T Th Sat	6 to 9 p.m. 6 to 9 p.m. 9 to 12 nn

Year 1, Semester 2

Week	Subject	Day	Time
19 to 24	GIT 7104	T Th Sat	6 to 9 p.m. 6 to 9 p.m. 9 to 12 nn
25 to 30	GIT 7106	T Th Sat	6 to 9 p.m. 6 to 9 p.m. 9 to 12 nn
31 to 36	GIT 7107	T Th Sat	6 to 9 p.m. 6 to 9 p.m. 9 to 12 nn

Year 1, Summer

Week	Subject	Day	Time
37 to 39	GIT 7105	M T W F S	6 to 9 p.m. 6 to 9 p.m. 6 to 9 p.m. 6 to 9 p.m. 9 to 12 nn 2 to 5 p.m.
40 to 42	GIT 7108	M T W F S	6 to 9 p.m. 6 to 9 p.m. 6 to 9 p.m. 6 to 9 p.m. 9 to 12 nn 2 to 5 p.m.

Year 2, Semester 3

Week	Subject	Day	Time
1 to 6	Elective 1	T Th Sat	6 to 9 p.m. 6 to 9 p.m. 9 to 12 nn
7 to 12	Elective 2	T Th Sat	6 to 9 p.m. 6 to 9 p.m. 9 to 12 nn
	Comprehensive Examination		

Year 2, Semester 4

Week	Subject	Day	Time
	GIT 7908 - Capstone Project 1 – Project Proposal		

Year 2, Summer

Week	Subject	Day	Time
	GIT 7909 - Capstone Project 2 – Project Implementation		

Curriculum

Master in Information Technology (MIT)		
Core		
GIT 7101	Parallel and Distributed Computing	3
GIT 7102	Advanced Database Systems	3
GIT 7103	Technology and Project Management	3
GIT 7104	Advanced Systems Design and Implementation	3
		12
Major		
GIT 7105	Network Security	3
GIT 7106	Advanced Data Mining	3
GIT 7107	Business Intelligence	3
GIT 7108	Special Topics in Emerging IT	3
		12
Elective for Technology Management		
GIT 7109	Organizational Change and Development	3
GIT 7200	Enterprise Architectures	3
GIT 7201	IT Service Management	3
GIT 7202	Managing Technology Development	3
		6
Elective for Security Management		
GIT 7203	Cryptography	3
GIT 7204	Intrusion Detection	3
GIT 7205	Information Security and Assurance	3
GIT 7206	Information Security-Risk Management	3
		6
GRR 7700	Comprehensive Examination	-
GIT 7908	Capstone Project 1 – Project Proposal	3
GIT 7909	Capstone Project 2 – Project Implementation	3
		6
Total		36

Core

GIT 7101 Parallel and Distributed Computing

Hardware and software in modern operating systems, distributed and networked operating systems, and real time operating systems. (3 units)

GIT 7120 Advanced Database Systems

Modern database and information systems and research issues in IT (3 units)

GIT 7103 Technology and Project Management

Fundamental project management principles and methodologies for software development life cycle and process models (3 units)

GIT 7104 Advanced Systems Design and Implementation

Design and development of enterprise-scale information system solutions, contemporary methods and effective organizational and global project management practices (3 units)

Major

GIT 7105 Network Security

Designing tight information security environment and IT infrastructure (3 units)

GIT 7106 Advanced Data Mining

Data mining for business and data analytics (3 units)

GIT 7107 Business Intelligence

Theories and methodologies for handling large amount of data and information (3 units)

GIT 7108 Special Topics in Emerging IT

This course responds to the fast-changing landscape of IT that demands visiting professors and/or adjunct faculty, upon invitation, to teach highly specialized topics not covered in any of the existing courses. (3 units)

ELECTIVE for Technology Management

GIT 7109 Organizational Change and Development

Exploration on the role of leadership in creating change (3 units)

GIT 7200 Enterprise Architectures

Business view of enterprise architectures transition activities utilizing elements of standard (3 units)

GIT 7201 IT Service Management

Essentials of IT service management methodologies used in IT outsourcing industry (3 units)

GIT 7202 Managing Technology Development

Exploration on the intersection of business strategy and IT (3 units)

ELECTIVE for Security Management

GIT 7203 Cryptography

Theoretical foundations of rigorous proofs of security (3 units)

GIT 7204 Intrusion Detection

Essential components of network security solution package (3 units)

GIT 7205 Information Security and Assurance

Security models, software security and systems life cycle management (3 units)

GIT 7206 Information Security-Risk Management

Concepts of risk management & detailed aspects of incident response & contingency planning (3 units)

GRR 7700 Comprehensive Examinations

Prerequisite: Completion of all course work (0 units)

GIT 7908 Capstone Project I – Project Proposal

Application of theoretical knowledge to projects based on actual data (3 units)

GIT 7909 Capstone Project II – Project Implementation

Application of the core concepts, best practices and standards to business needs that require creation of technology solution (Pre-requisite GIT 7908, 3 units)

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