



**UNIVERSITY OF THE EAST**  
Graduate School  
Manila

<b>Doctor of Information Technology (DIT)</b>		
<b>Core</b>		<b>Units</b>
GIT 8101	Seminar in IT for Society and Culture	3
GIT 8102	Seminar in IT: Paradigm Shifts, Organization & Leadership	3
GRR 8501	Advanced Statistical Methods	3
GIT 8104	Advanced Quantitative Techniques	3
GRR 8502	Seminar in Research Methods in IT	<b>15</b>
<b>Major</b>		
GIT 8201	Advanced Systems and Software Engineering	3
GIT 8202	Advanced Database Management Systems	3
GIT 8203	Advanced Human-Computer Studies	3
GIT 8204	Advanced Electronic Commerce (e-Commerce)	3
GIT 8205	Seminar in IT and Network Security	3
GIT 8206	Seminar in Emerging Technologies	3
GIT 8207	Special Topics in Information Technology	3
		<b>15</b>
GRR 8602	International Collaborative Research	3
	Any 800-level course in Business Administration, etc.	3
GRR 8605	Across-Discipline Research Colloquium	1
		<b>7</b>
GRR 8700	Comprehensive Examination	-
GRR 8980	Dissertation I	6
GRR 8990	Dissertation II	6
		<b>12</b>
<b>Total</b>		<b>49</b>

\* Approved by the University of the East Board of Trustees on May 21, 2015.

\*\* CHED Acknowledgement Receipt, SY 2015-2016.

\*\*\* All students are required to present their papers, 1 in national and 1 in international conferences.

\*\*\* All students are required at least 1 publication in an internationally/nationally indexed journal or juried creative work outlet (Students enrolled in 2<sup>nd</sup> Sem AY 2021-2022)

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## **DOCTOR OF INFORMATION TECHNOLOGY (DIT)**

### **1. GIT 8101 – SEMINAR IN IT FOR SOCIETY AND CULTURE**

The course examines IT as major development in science in the context of social, cultural, political, legal and ethical forces. (3 units)

### **2. GIT 8102 – SEMINAR IN IT: PARADIGM SHIFTS, ORGANIZATION AND LEADERSHIP**

The course tackles current topics, e.g., applications to business and organizations with strong IT human resource demands, implications of paradigm shifts translated to new key leaderships, responses to challenges and sustainability of innovations. (3 units)

### **3. GRR 8501 – ADVANCED STATISTICAL METHODS**

This course focuses on advances in the field of statistics, especially those that require the use of computers to perform complex and tedious computations. Models in data analytics will also be discussed, with emphasis on their algorithmic components. A statistical package will be used to analyze current implementation of these algorithms. (3 units)

### **4. GIT 8104 – ADVANCED QUANTITATIVE TECHNIQUES**

This course covers advanced topics in discrete mathematics, linear algebra, numerical analysis, and stochastic processes as they are applied to IT. (3 units)

### **5. GRR 8502 – SEMINAR IN RESEARCH METHODS IN IT**

This seminar focuses on the broad research designs and methodologies in IT research. (3 units)

### **6. GIT 8201 – ADVANCED SYSTEMS AND SOFTWARE ENGINEERING \*\***

This course, essentially a practicum subject, provides the students with ample opportunities to do hands-on training and enhance skills in software development. (3 units)

### **7. GIT 8202 – ADVANCED DATABASE MANAGEMENT SYSTEMS \*\***

This course examines database system architecture, system catalog, query processing and optimization, transaction processing concepts, concurrency control techniques, database recovery techniques, database security and authorization, object-oriented and object-relational databases, distributed databases and client-server architecture, data warehousing and data mining, and emerging technologies and applications. (3 units)

### **8. GIT 8203 – ADVANCED HUMAN-COMPUTER STUDIES**

This course covers research and analytical methods for evaluating the impact of IT systems on humans and organizations. Students will use different technical and non-technical tools to conduct practical evaluation of systems for improving system functionality and usability. (3 units)

### **9. GIT 8204 – ADVANCED ELECTRONIC COMMERCE (E-COMMERCE) \*\***

This course provides a comprehensive view of the social, cultural, organizational, and cognitive impacts of e-commerce technologies. (3 units)

**10. GIT 8205 – SEMINAR IN IT AND NETWORK SECURITY**

The course involves investigation and detailed study of computer security principles, mechanisms and implementations to ensure data protection and security of computers systems. (3 units)

**11. GIT 8206 – SEMINAR IN EMERGING TECHNOLOGIES**

This course provides the opportunity for DIT students to identify and evaluate IT-related emerging technologies and their applicability to information systems, business and society. (3 units)

**12. GIT 8207 – SPECIAL TOPICS IN INFORMATION TECHNOLOGY**

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)

**13. GRR 8602 – INTERNATIONAL COLLABORATIVE RESEARCH**

This course involves research collaboration between the student and professor in the field based in a partner institution overseas. This research entails creation of linkage between the student and international professor prior to enrolment in the course, interface through online and residence in the host university for a month or two for face-to-face interaction and collaboration. (3 units)

**14. ANY 800 LEVEL COURSES IN BUSINESS ADMINISTRATION, EDUCATION AND ALLIED DISCIPLINES**

Credit: 3 units

**15. GRR 8605 – ACROSS-DISCIPLINE RESEARCH COLLOQUIUM**

This course entails attendance and participation in fora during research presentations delivered by invited doctoral students before or after their oral defense, likewise, by guest presenters / researchers from the University and other academic communities. (1 unit)

**16. GRR 8700 – WRITTEN COMPREHENSIVE EXAMINATION**

Pre-requisite: Completed all academic requirements. (No credit unit)

**17. GRR 8980 – DISSERTATION WRITING I**

Credit: 6 units

**18. GRR 8990 – DISSERTATION WRITING II**

Pre-requisite: GRR 8980, Credit: 6 units