



Kuwait University
College of Computing Sciences and Engineering
Information Science Department

STUDENT HANDBOOK
MASTER OF SCIENCE IN INFORMATION TECHNOLOGY (MSIT)

2015-2016

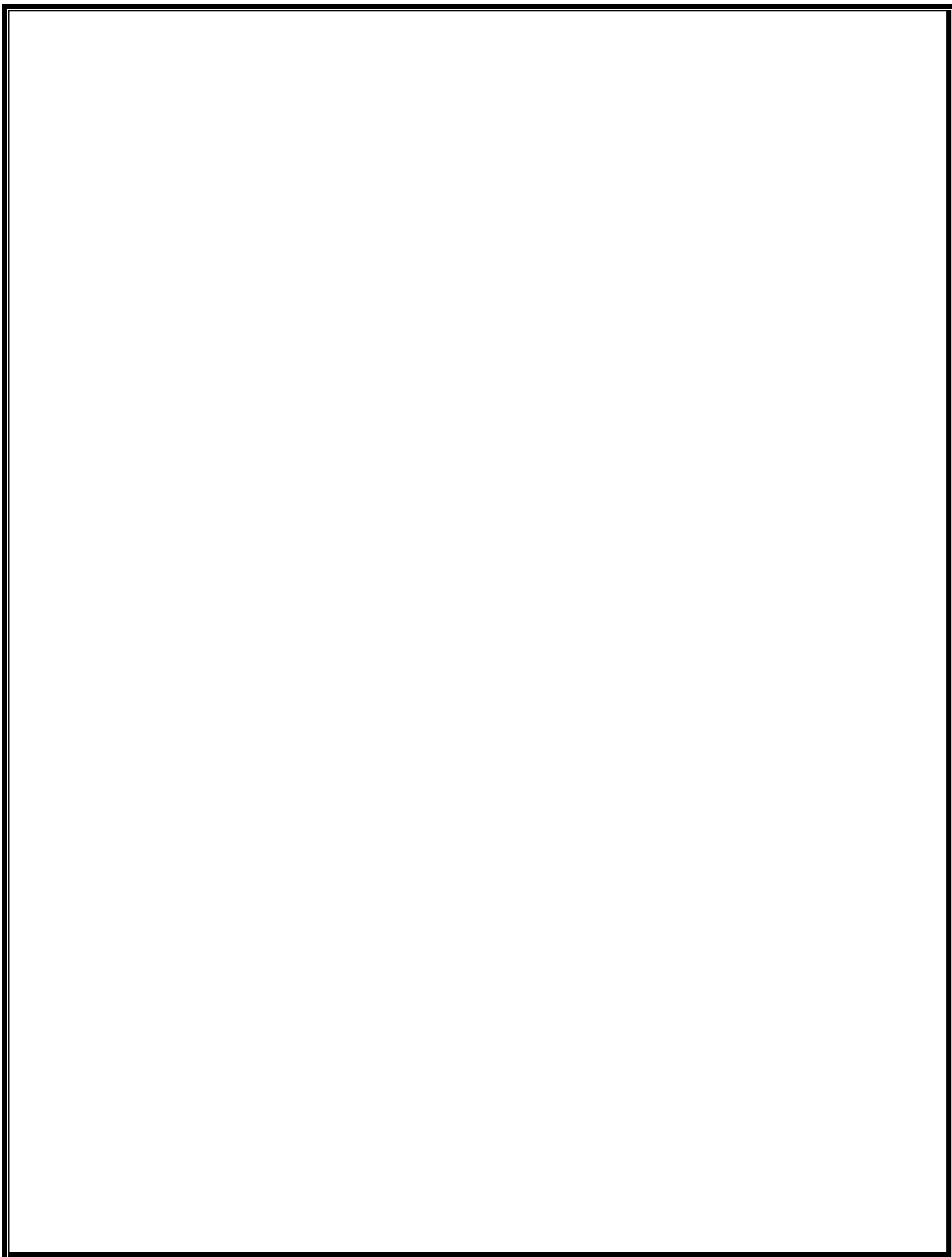


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1. INTRODUCTION

The department of Information Science (ISC), College of Computing Sciences & Engineering, offers a Master of Science program in Information Technology (MSIT). Part-time and full-time candidates are admitted to this program. Research requirements include both thesis and non-thesis options. The curriculum has been designed to meet different needs of students from diverse non-information technology related background, allowing them to reach a professional level of competency in information technology. This is accomplished by providing students with the necessary technical knowledge and managerial skills required to develop, implement, supervise or manage information technology projects.

2. PROGRAM MISSION

The MSIT (Master of Science in Information Technology) balances the study of technology leadership and management strategies through advanced course work in an IT concentration.

3. PROGRAM EDUCATIONAL OBJECTIVES

The objective of the MSIT program is to graduate candidates with the ability to:

1. Lead enterprises aligning IT with business innovation, strategy and goals.
2. Apply cutting-edge information technology in today's competitive market.
3. Keep pace with changing technologies.

4. PROGRAM LEARNING OUTCOMES

Graduates of this program will be able to:

1. **Comprehend** the principles and theories underlying applied information technology;
2. **Apply** IT best practices to succeed in the work place;
3. **Develop** an awareness of developments in the convergence of security, business, health and telecommunications technologies;
4. **Evaluate** the role of IT in organizational decision making;
5. **Apply** software and hardware lifecycles to build IT applications;
6. **Communicate** effectively and assume leadership.

5. ADMISSION REQUIREMENTS

1. Applicant must hold a bachelor degree or its equivalent. The degree must be conferred by Kuwait University or by another approved academic institution.
2. Graduates holding bachelor degree in all specialization except BSc: In Information Science, Information Systems, Management Information Systems, Computer Science or Computer Engineering are eligible to apply for admission to the program.
3. Applicant must have a minimum overall GPA of 2.67 points on a scale of 4.00, or its equivalent in the BSc degree. The applicant's average GPA in the main field of specialization should not be less than 3.00 points on a scale of 4.00, or its equivalent.
4. Applicant must have a good command of the English language. A TOEFL score 500 or IELTS 5 (academic) is required.

6. PROGRAM SUMMARY

MSIT program component	Non-Thesis Option (CRs)	Thesis Option (CRs)
Compulsory Credit	12	12
Elective Credits	18	12
Project (1730-593)	3	NA
Thesis (1730-597,598, 599)	NA	9
Total Credit	33	33

7. PROGRAM REQUIREMENTS

7.1. COMPULSORY COURSES (for all students)

Course Number	Course Title	(Credit Hours)	Prerequisite
1730-500	Introduction to Information Technology	(3)	None
1730-501	Information Technology Infrastructures	(3)	None
1730-502	Information Technology Management	(3)	None
1730-505	Research Methodology and Seminar	(3)	9 CRs
1730-592	Seminar	(0)	None

COMPULSORY FOR THESIS OPTION		COMPULSORY FOR NON-THESIS OPTION	
Course	(CR)	Course	(CR)
1730-597 I	(0)	1730-593 (project)	(3)
1730-598 II	(0)		
2000-599 III	(9)		

7.2. ELECTIVE COURSE REQUIREMENT

MSIT (Non-thesis Option): 18 CRs

MSIT (Thesis Option): 12 CRs

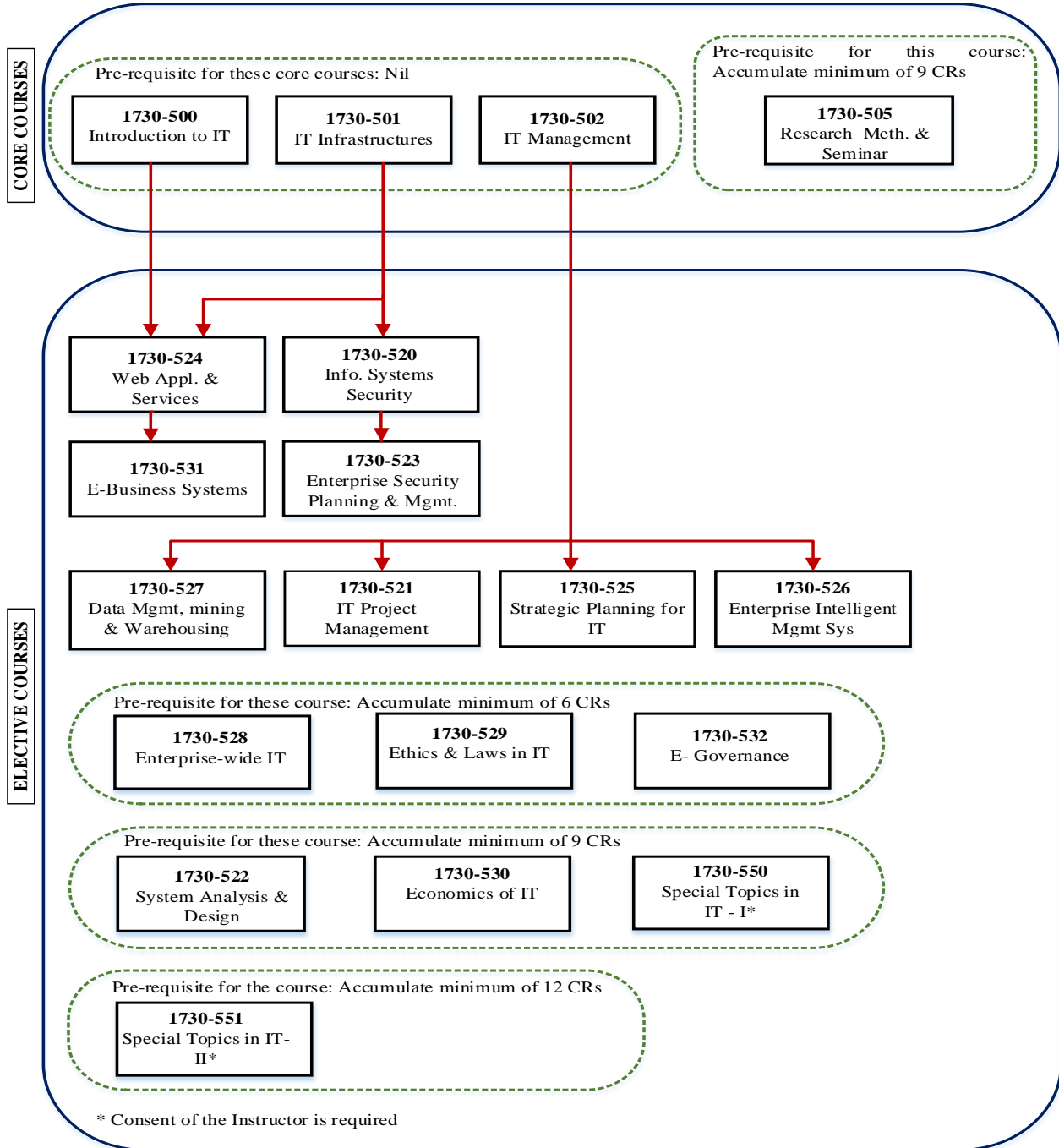
LIST OF ELECTIVE COURSES *

Course No	Course name	Prerequisite
1730-520	Information Systems Security	1730-501
1730-521	Information Technology Project Management	1730-502
1730-522	Systems Analysis and Design	Accumulate a minimum of 9 CRs
1730-523	Enterprise Security Planning and Management	1730-520
1730-524	Web Applications and Services	1730-500 & 1730-501
1730-525	Strategic Planning for Information Technology	1730-502
1730-526	Enterprise Intelligent Management Systems	1730-502
1730-527	Data Management, Mining, and Warehousing	1730-502
1730-528	Enterprise-wide Information Technology	Accumulate a minimum of 6 CRs
1730-529	Ethics and Laws in Information Technology	Accumulate a minimum of 6 CRs
1730-530	Economics of Information Technology	Accumulate a minimum of 9 CRs
1730-531	E-Business Systems	1730-524
1730-532	E-Governance	Accumulate a minimum of 6 CRs
1730-550	Special Topics in Information Technology-I	Accumulate a minimum of 9 CRs + Consent of Instructor
1730-551	Special Topics in Information Technology-II	Accumulate a minimum of 12 CRs + Consent of Instructor

*Students are allowed to take up to 6 credit hours (as part of the Elective Courses) from any 500 level courses offered by other departments at Kuwait University subject to the approval of the MSIT Graduate Program Committee. Alternatively, students are also allowed to take up to 6 credit hours in other universities under Graduate Exchange Program or Study Abroad Program subject to the approval of the Graduate Program Committee.

7.4. Course Dependency Graph

MSIT COURSE DEPENDENCY DIAGRAM



8. GRADUATION REQUIREMENTS FOR MASTER'S STUDENTS

8.1. REQUIREMENTS FOR MSIT WITH THESIS

1. Passing all the required courses (33CRs).
2. Obtaining minimum GPA of 3.00.
3. Passing the thesis examination.

MSIT Thesis Path

Course Requirements for the Thesis option

Completing course requirements for a total of 24 CRs (including 12 CRs of core courses: 1730-500, 501, 502, 505, 592 and 12 CRs of elective courses (see list of Elective courses)).

Registration of course 1730-597: Thesis Proposal needs to be submitted.

The following duly filled forms should be submitted to supervisor and subsequently to CGS through MSIT program director

1. **AC/1 T: Request to register for the Master's Thesis**
This form should be submitted to the CGS within 3 weeks from the beginning of the semester in which the student is currently registered for thesis.
2. **AC/2 T: Thesis research proposal and budget**
This form should be submitted to CGS within 5 weeks from the beginning of the semester in which the student is currently registered for thesis.
3. **AC/3 (If needed): Change of supervisory committee and request to change study option.**

Registration of course 1730-598: Student must have satisfactory progress (S) in course 1730-597.

Registration of course 2000-599: Thesis Defense (9 CRs).

1. Candidate must have satisfactory progress in course 1730-598, reported by the supervisor to CGS.
2. Candidate can register the 2000-599 course as a co-requisite to 1730-598.

On completing the requirements of course 2000-599 satisfactorily, the following forms have to be duly filled and submitted to CGS through MSIT program director:

1. **AC/4:** Thesis examination committee: Two copies of the thesis (one spiral bound and one soft copy) must be submitted with the form.
2. **AC/6T:** Thesis examination date to be filled by MSIT program director.
3. **AC/7:** Thesis examination result to be filled by convener of thesis examination committee.
4. **AC/8:** Form for distributing final bound thesis to be duly filled and submitted.
5. **AC/9:** Submitting custody Items to be filled by student and submitted to the CGS through MSIT program director.
6. **AC/10:** Thesis binding allowance to be filled by student and duly submitted.

8.2. REQUIREMENTS FOR MSIT NON-THESIS

1. Passing all the required courses (33CR).
2. Obtaining minimum GPA of 3.00.
3. Passing the comprehensive examination.

MSIT Non-Thesis Path

Course Requirements for the Non-Thesis option

Completing course requirements for a total of 30 CRs (including 12 CRs of core courses: 1730-500, 501, 502, 505, 592 and 18 CRs of elective courses (see list of elective Courses))



Student registers in the following course

1730-593: Project (3 CR)



The following duly filled forms should be submitted to supervisor and subsequently to the CGS through MSIT program director

1. AC/1 P: Request to register for the Master's Project

This form should be submitted to the CGS within 3 weeks from the beginning of the semester in which the student is currently registered for project (1730-593).

2. AC/2 P: Project Research Proposal & Budget

This form should be submitted to CGS within 5 weeks from the beginning of the semester in which the student is currently registered for project.

3. AC/3 (If needed): Change of supervisory committee & request to change study option.



Comprehensive examination

1. Non-thesis MSIT students are eligible to take the comprehensive exam after satisfactorily passing the core courses (1730-500, 501, 502, 505, 592).
2. A student has to pass the comprehensive examination arranged by MSIT departmental committee under the article (22) of CGS by-laws.



1. A student must submit a project report and give a project presentation to the project supervisor.
2. **AC/9:** Submitting custody Items to be filled by student and submitted to the CGS through MSIT program director.

9. THESIS REGISTRATION

Upon completing one semester, a graduate student may (with the approval of the academic supervisor, the program director and the CGS) register for a thesis in accordance with the following rules:

1. Completion of a minimum of 12 credits of courses approved for the degree, with a minimum GPA of 2.67.
2. Registration for a thesis as a full-time study load.
It should be noted that registration for thesis may last for more than one semester and the student must register every semester until graduation. The thesis under preparation is given a grade of "Satisfactory (S)" or "Unsatisfactory (U)". The final grade given after thesis examination is either Pass (P) or Fail (F).
3. Fulfillment of the thesis registration forms.
It should be noted that the required forms can be obtained on-line (www.kuniv.edu.kw) or from the program director.

10. MASTER'S THESIS

10.1. SUPERVISION OF THESIS

An academic supervisor shall be nominated for each Master's student who is required to prepare a thesis. The nomination should take place as soon as possible but not later than the end of the semester following the one in which the student was admitted. The supervisor's major field of specialization should be the same as that of the student. A co-supervisor whose major field of specialization or program is different from that of the student but related to the student's research, may be nominated.

The Program Committee submits its recommendation for the nomination of the main supervisor and co-supervisor (if any) to the College of Graduate Studies (CGS) for approval. The approval is based on satisfying the requirements stipulated by CGS. The student is supposed to have only one main supervisor. The addition of a co-supervisor should be justified and approved by the College of Graduate Studies after studying the matter.

10.2. RESPONSIBILITIES OF THE MAIN SUPERVISOR AND CO-SUPERVISOR

The main supervisor is primarily responsible for guiding the student through various stages leading to the preparation and submission of the thesis. These stages include selecting a research topic, formulating the research plan, registering for the thesis, conducting the actual research, and writing the thesis. Other responsibilities of the main supervisor are as follows:

1. Accounting for any payments made for the student's thesis research, in accordance with the relevant guidelines and prescribed procedures.

2. Conducting periodical evaluation of the student's research performance and thesis under preparation.
3. Participating in the final evaluation of the student's thesis.
The role and responsibilities of the co-supervisor are determined by the concerned Program Committee.

10.3. EVALUATION OF THESIS

All thesis prepared by Master's degree students at Kuwait University are evaluated by external referees. Details on the rules governing the evaluation process and the procedures that have to be followed, can be found in the booklet entitled "A Guide to Master's Thesis".

10.4. THESIS EXAMINATION COMMITTEE

The Thesis Examination Committee is formed according to article (24) of the CGS by-laws. In the case of resorting to voting in order to determine the result of the examination, the vote should be counted as follows:

1. Supervisor or co-supervisor or both (one vote)
2. The two faculty members in the major specialization of the student (one vote each)
3. Report of the external referee (one vote)
4. Report of the second external referee if resorted to (one vote).

In the case of equal number of votes on both sides, the opinion of the side which include the Committee Chairman shall prevail.

11. COMPREHENSIVE EXAMINATION

Each non-thesis graduate student has to pass a written and oral examination. The examination must be so comprehensive as to reveal the extent of the student's preparation to pursue graduate studies in his/her field of specialization. In particular, it must show the student's capabilities with respect to synthesis, analysis, interpretation, application and discussion.

The Program Committee shall lay down clear written rules as well as a well-defined policy on comprehensive examination and inform the concerned students, about the following:

1. Date, time, and place of holding the comprehensive examination.
2. Clearly defined and written academic subject in which the students are to be examined.

In the case of programs which follow the annual system, the Comprehensive Examination may be conducted through the committees of oral examinations which are held for each course, provided that the area committee specifies the rules and regulations under which these examinations shall be held and attended, and the comprehensiveness in the field of specialization is taken into consideration.

11.1. COMPREHENSIVE EXAMINATION COMMITTEE

The Comprehensive Examination Committee consists of at least three members of the academic program, appointed by the Dean of the College of Graduate Studies upon the recommendation of the program committee. The committee carries out the task of examining the students and delivering the results, using the form prepared for that purpose, to the program committee for submission to the College of Graduate Studies.

11.2. GRADE OF THE COMPREHENSIVE EXAMINATION

The student's grade in the Comprehensive Examination shall be "Pass" or "Fail".

A student who fails the examination for the first time must repeat it during the next semester. If the student fails for the second time he/she is academically dismissed from the Master's Degree Program.

12. COURSE DESCRIPTION

1730-500: INTRODUCTION TO INFORMATION TECHNOLOGY CR: 3

PR: None

This course introduces students to the fundamentals of Information Technology. Topics covered include the binary system, data representation and coding, data communication, data compression, information theory, transmission and storage technology, graphics, role of the Information Technology in business, Information Systems, Databases. Data Warehousing, WEB Services, Enterprise Resource Management, Decision Support Systems. Students will have hands-on training in IT development tools.

1730-501: INFORMATION TECHNOLOGY INFRASTRUCTURES CR: 3

PR: None

This course introduces students to the components of the IT infrastructures. It covers the topics of the development and deployment of high-speed networks and application services in support of modern enterprise resource planning and management, technologies concepts include data communication, switching mechanisms, routing, data flow, network bridging, advanced network topologies, protocols, standards, server architectures, storage area networks, data center design and implementation, development of an integrated technical architecture (hardware, software, networks, and data) to serve organizational needs, enterprise application integration, XML and

Web Services. Students will have hands-on training in some programming language. Students will have hands-on training in IT development tools.

1730-502: INFORMATION TECHNOLOGY MANAGEMENT

CR: 3

PR: None

This course introduces students to the fundamentals of information management. Information technology management encompasses the activities related to the planning, organizing, acquiring, maintaining, and controlling of IT resources. Topics covered in the course include the process of managing IT in organizations, Data/Information/Knowledge Management. Utilization of IT in decision making, IT Management and Management Supported by IT, IT Economics, Managing IT Infrastructures, Information Resources Managing, System Development, and IT Control and Security, Managing merging Technologies, IT processes, Management of change, IT governance, Managing innovation in IT, and entrepreneurship in IT. Student will have hands-on training in database management systems. Students will have hands-on training in IT development tools.

1730-505: RESEARCH METHODOLOGY AND SEMINAR

CR: 3

PR: Accumulated total of 9 CRs

This course introduces first time research graduate students to the fundamental elements of research methodology. Course topics covered include an overview of discipline-related methodological approaches to research, efficient development of research theme, managing a research project, basics of research design, research documentation, data information collection, efficient use of search engines, legal and ethical issues, protecting and exploiting research, intellectual property rights, presentation skills development, and the use of relevant research tools and technologies. The seminar will provide students an opportunity to practice critical review of a research topic and/or publication and to provide a professional presentation of the review. Each student will be assigned a topic in his/her area of research. In addition, a student will be asked to critically review the literature in his/her specific area of research. Each student will be asked to conduct a presentation using up-to-date presentation technologies.

1730-520: INFORMATION SYSTEMS SECURITY

CR: 3

PR: 1730-501

This course introduces students to the fundamentals of information systems security. Topics covered include Elementary Cryptography, Private versus Public Key Cryptography. Security requirements and applications of security in networking, the Web, databases, operating systems, basic concepts in security legal, ethical, social, and administrative principles.

1730-521: INFORMATION TECHNOLOGY PROJECT MANAGEMENT

CR: 3

PR: 1730-502

This course introduces students to fundamentals of Information Technology Project Management based on the recognized international standards. The course is designed to equip students with knowledge and skills needed to prepare them to become better IT projects managers. They

can apply in the IT project management. Topics covered in the course include the basic concepts of IT project management, including initiating, planning, controlling, executing, and closing projects. The course also shows how IT projects should be managed, from inception to post implementation review. The course aims at providing students with an opportunity to acquire improved management skills and abilities to define the project scope, create a workable project plan, and manage within the budget and schedule.

1730-522: SYSTEMS ANALYSIS AND DESIGN

CR: 3

PR: Accumulate a minimum of 9 CRs

This course introduces student to the systems analysis and design principles and application. Topics covered include Systems development life cycle, analysis and design techniques, information systems planning and project identification and selection, requirements collection and structuring, process modeling, conceptual and logical data modeling, database implementation, design of the human-computer interface and data management, design of the human computer interface (HCI) System implementation and operation, system maintenance, and change management implications of systems. Students will use current methods and tools such as rapid application development, object-oriented analysis and design, prototyping, and visual development. Students will have hands-on training in UML and its related software tools. Students will have hands-on training in IT development tools.

1730-523: ENTERPRISE SECURITY PLANNING AND MANAGEMENT

CR: 3

PR: 1730-520

The course focuses on the managerial aspects of information security in enterprises, such as access control models, information security governance, and information security program assessment and metrics. Developing security plans including a risk management plan. Developing a disaster recovery and business continuity plans. Coverage of the foundational and technical components of information security is included to reinforce key concepts. Laws and international security standards like the ISO 27000 series will introduced.

1730-524: WEB APPLICATIONS AND SERVICES

CR: 3

PR: 1730-500 & 501

This course introduces students to the web applications and services. Topics include core technologies and standards for Web-based distributed systems, network and data standards with particular attention to HTML, XML, http, URL and other web technologies including APIs. Also included are web services and various applications. Students will have hands-on training in web application and development.

1730-525: STRATEGIC PLANNING FOR INFORMATION TECHNOLOGY

CR: 3

PR: 1730-502

This course introduces students to the fundamental principles of strategic planning for information technology. Topics covered in this course include tactical, operational and strategic

planning, the importance of strategic IT planning, developing IT strategy, business IT Strategic alignment, developing and maintaining a strategic plan.

1730-526: ENTERPRISE INTELLIGENT MANAGEMENT SYSTEMS **CR: 3**
PR: 1730-502

This course introduces students to the fast evolving area of Enterprise Intelligent Management Systems (EIMSs). Topics covered include data transformation to knowledge and value chain, customer service management, business process analysis and design, the principles of decision support systems, intelligent tools for enterprise management, executive information systems, business intelligence systems (BI), and decision support tools in Enterprises. Theoretical concepts are applied to real-world applications.

1730-527: DATA MANAGEMENT, MINING, AND WAREHOUSING **CR: 3**
PR: 1730-502

This course introduces students to fundamentals of data management, data mining, and data warehousing. Topics covered in the course include data modeling for the enterprise, database management systems, data warehousing techniques, data mining principles for extracting information, data visualization. Students will have hands-on training in advanced database management systems. Students will have hands-on training in IT development tools.

1730-528: ENTERPRISE-WIDE INFORMATION TECHNOLOGY **CR: 3**
PR: Accumulate a minimum of 6 CR.

This course focuses on workflow management technology, value chain management, enterprise resource planning, and knowledge management. Students will have hands-on training in ERP systems. Student will have hands-on training in IT development tools.

1730-529: ETHICS AND LAWS IN INFORMATION TECHNOLOGY **CR: 3**
PR: Accumulate a minimum of 6 CRs

This course focuses on the ethical, social, and legal implications of information technologies. Issues of privacy preservation, personnel security and ethics are covered.

1730-530: ECONOMICS OF INFORMATION TECHNOLOGY **CR: 3**
PR: Accumulate a minimum of 9 CRs

This course examines economic theories related to information technologies and systems, IT resources as commodities, Quantitative methods for cost-benefit analysis and return on information technology investment evaluation are introduced. Strategies for measuring cost factors related to information technology implementation within an organization are introduced.

1730-531: E-BUSINESS SYSTEMS **CR: 3**
PR: 1730-524

This course introduces students to the analysis and design of E-Business Systems. Topics covered include Introduction to e-business, Business models and concepts, Technology

Information, E-business design, patterns and architectures, Security and payment, Marketing concepts and communication, Ethical , social and political issues, Online retailing and services, social networks, auctions and portals. Supply chain management, Customer relation management, E-procurement and e-fulfillment Systems, Business intelligence (BI), m-Business, and v-Business.

1730-532: E-GOVERNANCE

CR: 3

PR: Accumulate a minimum of 6 CRs

This course introduces students to the evolving area of E-Government/Governance Topics covered include the nature of government information, the role of information policy in shaping e-government, implications of government efficiency, transparency, communication, service delivery, engagement with citizens, and information provision, collection, and preservation means of evaluating the impacts and successes of e-government, foundations required in designing, delivering, evaluating, managing e-government, ITI Government, and v-Government.

1730-550: SPECIAL TOPICS IN INFORMATION TECHNOLOGY I

CR: 3

PR: accumulate a minimum of 9 CRs + Consent of Instructor

A set of most-up-LO-date topics related to the field of Information Technology will be studied in this course.

1730-551: SPECIAL TOPICS IN INFORMATION TECHNOLOGY II

CR: 3

PR: Accumulated a minimum of 12 CRs+ Consent of Instructor

A set of most-up-to-date topics related to the field of Information Technology will be studied in this course.

1730-592: SEMINAR CR 0

1730-593: PROJECT CR 3

1730-597 I CR 0

1730-598 II CR 0

2000-599 I (THESIS) CR 9

13. SOME IMPORTANT INFORMATION

1. The following grading scale is used for evaluation of student's performance:

Percentage Range	Letter Grade	GPA
95-100	A	4.00 point
90-94	A-	3.67 point
87-89	B+	3.33 point
83-86	B	3.00 point
80-82	B-	2.67 point
75-79	C+	2.33 point
70-74	C	2.00 point
Less than 70%	F	zero point

2. The study load of a full-time student ranges between (9-15) credits during each semester.
3. The study load of a part-time student ranges between (6-9) credits during each semester. In exceptional cases a student may, with the approval of both the program director and the College of Graduate Studies (CGS), register for less than the specified workload.
4. An employed applicant should submit from the place of work a signed notification of joining the program.
5. A student's final grade can be deferred and a grade of "Incomplete" (I) can be given due to reasons acceptable by the course instructor and approved by the program director. The student has to complete these requirements during the time specified by the CGS, or his/her grade for the course changes to "Fail" (F).
6. A student who studies a course that continues for more than one semester (under semester system), is given a grade of "Continuing Course" (CC). The final grade is recorded only in the last semester of the course. At the end of this semester, it is not allowed to postpone the award of final grade. The course credits (if any) shall be used in computing the student's study load only once.
7. A student who has registered for the thesis, is given a grade of "Satisfactory" (S), or "Unsatisfactory" (U), as long as his/her research is ongoing. The final grade [P/F] is not given until after thesis examination.
8. A student is given one chance to repeat up to a maximum of 2 courses which she/he had previously studied and obtained a grade of B or less. It should be noted that the repetition of

a course does not lead to the cancellation of the previously obtained grade. An average of both grades is calculated (See article 18 item 10, CGS by-laws).

9. A student, who is caught cheating or attempting to cheat or helping others to cheat in the exam, will be considered to have failed in all courses registered during the semester in which the cheating occurred.
10. If cheating is repeated, the student is academically dismissed from the CGC and the dismissal is indicated in his/her academic record.
11. If it is confirmed that a student has done anything that violates examination regulations, s/he will be considered to have failed the course for which the examination was taking place when the violation occurred.

14. LIST OF FORMS USED FOR MSIT PROGRAM













MSIT student has to fill following forms at different stages as listed in below table. The required form can be download from college of graduate study URL (www.kuniv.edu.kw) or from IS department URL (<http://www.isc.ku.edu.kw>) or from the MSIT program director office.

The forms and their purpose

Non-Thesis Option		Thesis Option	
AC/1P	Request to register for the Master's project (Non-Thesis option)	AC/1T	Request for Master's Thesis registration
AC/2P	Project research proposal and budget (Non-Thesis option)	AC/2T	Thesis Research proposal and budget
AC/3	Change of Supervisory Committee and change study options in Master's	AC/4T	Thesis Examination Committee
		AC/6T	Thesis Examination date
		AC/7T	Thesis Examination result
		AC/3FF	Transfer of approved budget
		AC/8	For Distributing final bound thesis
		AC/10	Thesis Binding Allowance
Graduation			
AC/9	Submitting custody items		

15. ISC FACULTY MEMBERS' PROFILE

				
Prof. Jehad Al Dallal	Prof. Kassem Saleh	Prof. Muhammad Sarfraz	Prof. Mostafa Abd-El Barr	Prof. Paul Manuel
Research Interest: Software testing, software metrics, software maintenance, protocol engineering	Research Interest: Software engineering, Information security, Wireless sensor networks	Research Interest: Intelligent Systems, Information Systems, Computer Graphics, Computer Vision, Pattern Recognition, Soft Computing	Research Interest: Information Systems Security, Cryptographic Algorithms and Structures, Parallel Processing / Algorithms, Computer Networks Optimization, Design and Analysis of Reliable & Fault-Tolerant Computer Systems, Beyond-Binary Logic System Design & Analysis	Research Interest: Graph Algorithms, Enterprise Computing, Cheminformatics
				
Dr. Helal Al Hamadi	Dr. Sana BuHamra	Dr Anton Cerny	Dr Naelah Al Dabbous	Dr Kalim Qureshi
Research Interest: Fuzzy Logic, Power Quality, Mobile Adhoc Networks	Research Interest: Environmental statistics, Risk Assessment, Small sample area estimation, Applied statistical modeling; Nonparametric Inference; Modeling and Simulation; Survey design and analysis.	Research Interest: Discrete Mathematics, Combinatorics on Words, Network Reliability	Research Interest: Wireless Communications, Adaptive Signal Processing, Sensor Networks and information system security	Research interests include distributed computing, performance measurement of systems; Medical Imaging and IT/IS applications.

				
Dr Hanady Abdulsalam	Dr Safaa Zaman	Dr Loulwah Al Sumait	Dr Eiman T. Al Shammari	Dr. Bader Ali
Research Interest: Data streams, Data mining, Data gathering in WSN, and scheduling algorithms	Research Interest: Intrusion Detection Systems	Research Interest: Data mining, Text mining, Pattern Recognition, Topic modeling,	Research Interest: Data Mining, IT applications (Educational/Environmental)	Research Interest: Large Scale distributed systems, Social networking inspired trusted network systems, Digital Rights management, Digital identity management
				
Dr. Zainab Al Jazzaf	Dr. Fatima Boujarwah	Dr. Omar Al Ibrahim	Dr. Abdullah Al Mutairi	Dr. Aseel Al Monaeis
Research Interest: Web Services, Service Management, Quality of Service, Security and Trust, Service-Oriented Architecture, Cloud Computing, E-government.	Research Interest: Human Computer Interaction, Crowdsourcing, Assistive Technologies, Educational Technologies, Autism and Technology	Research Interest: Embedded systems security, web application security, reverse engineering, malware analysis	Research Interest: Data mining	Research Interest: Web application migration , Web Services, Service-oriented architecture and Security
		<u>IMPORTANT CONTACT NUMBER</u>		
Dr. Ranya Al Awadhi	Dr. Zainab Al Meraj	Prof. Mostafa Abd-El Barr Program Director ISC Room 35, PH: 2463 3301 Email: mostafa.abdelbarr@gmail.com		
Research Interest: Information, computer, and network security. Fault-tolerant computing	Research Interest: 2D graphics, Non-photorealistic rendering, Artificial Intelligence, Human-Computer Interaction, Assistive technologies			

CALENDAR OF THE COLLEGE OF GRADUATE STUDIES

Fall Semester 2015-2016

Day	Date	Details
Sunday	30/08/2015	Beginning of late registration, addition, withdrawal from courses for CGS Students except for Law students. (1) *
Sunday	30/08/2015	Sending files of non-degree students asking to be transferred to degree system and beginning of submitting new requests or renewal of scholarships and academic assistantships. Last day for the renewal of scholarships & assistantships is on 10/09/2015.
Wednesday	02/09/2015	Last day for late registration, addition, withdrawal from courses for CGS Students except for Law students.
Thursday	03/09/2015	Beginning of late registration, addition, withdrawal from courses for Law students only.
Sunday	06/09/2015	Beginning of classes.
Sunday	06/09/2015	Last day for late registration, addition, withdrawal from courses for Law students only.
Monday	07/09/2015	Beginning of registration in closed sections by program directors for Law Programs only.
Tuesday	08/09/2015	Beginning of registration in closed sections by program directors in the academic colleges except for Law Programs.
Thursday	10/09/2015	Last day for submitting new requests or renewal of scholarships and academic assistantships. Last day for changing student's time status and admission postponement. (2) *
Saturday	12/09/2015	Last day for registration in closed sections by program directors in the academic colleges except for Law Programs.
Sunday	13/09/2015	Beginning of on-line fees payment for degree and non-degree students until 30/09/2015.
Sunday	13/09/2015	Beginning of on-line withdrawal from courses for degree and non-degree students and after fees payment. (3) *
Thursday	17/09/2015	Last day for submitting grades of postponed exams for the second semester 2014/2015.
Wednesday	30/09/2015	Last day for on-line fees payment for degree and non-degree students.
Thursday	30/09/2015	Last day for submitting registration form (AC1) for thesis and project.
Thursday	08/10/2015	Last day for withdrawal from courses for degree and non-degree students. No withdrawal after this date. (4) *
Thursday	08/10/2015	Last day for submitting registration form (AC2) for thesis and project.
Thursday	12/11/2015	Last day for withdrawing from the semester or the program (for degree students only). After this date requests for withdrawal are denied. The student should continue his/her study and sit for the exams. (5) *
Tuesday	15/12/2015	Last day of classes and claiming fees refund.
Wednesday	16/12/2015	Beginning of final exams.
Monday	28/12/2015	Last day of exams.
Thursday	31/12/2015	Last day for posting grades.
Sunday	03/01/2016	Beginning of semester vacation
Saturday	23/01/2016	End of semester vacation

Spring Semester 2015-2016

Day	Date	Details
Sunday	17/01/2016	Beginning of late registration, addition, withdrawal from courses for CGS students except for Law students. (1) *
Sunday	17/01/2016	Sending files of non-degree students asking to be transferred to degree system and beginning of submitting new requests or renewal of scholarships and academic assistantships. Last day for the renewal of scholarships & assistantships is on 28/01/2016.
Thursday	21/01/2016	Last day for late registration, addition, withdrawal from courses for CGS students except for Law students.
Sunday	24/01/2016	Beginning of classes.
Sunday	24/01/2016	Beginning of registration in closed sections by program directors in the academic colleges except for Law Programs.
Thursday	28/01/2016	Last day for registration in closed sections by program directors in the academic colleges except for Law Programs.
Thursday	28/01/2016	Last day for submitting new requests or renewal of scholarships and academic assistantships. Last day for changing student's time status and admission postponement. (2) *
Sunday	31/01/2016	Beginning of on-line fees payment for degree and non-degree students until 13/02/2016.
Sunday	31/01/2016	Beginning of on-line withdrawal from courses for degree and non-degree students and after fees payment. (3) *
Thursday	04/02/2016	Last day for submitting grades of postponed exams for the first semester 2015/2016.
Thursday	11/02/2016	Last day for submitting registration form (AC1) for thesis and project.
Saturday	13/02/2016	Last day for on-line fees payment for degree and non-degree students.
Thursday	18/02/2016	Last day for withdrawal from courses for degree and non-degree students. No withdrawal after this date. (4) *
Thursday	03/03/2016	Last day for submitting registration form (AC2) for thesis and project.
Thursday	17/03/2016	Last day for withdrawing from the semester or the program (for degree students only). After this date requests for withdrawal are denied. The student should continue his/her study and sit for the exams. (5) *
Tuesday	03/05/2016	Last day of classes and claiming fees refund.
Wednesday	04/05/2016	Beginning of final exams.
Monday	16/05/2016	Last day of exams.
Thursday	10/05/2016	Last day for posting grades.
Sunday	22/05/2016	Beginning of summer vacation
Saturday	17/09/2016	End of summer vacation