

Philadelphia University

Faculty of Information Technology

Department of Management Information Systems

Undergraduate Programme Handbook (2018/2019) March, 2018

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I. Introduction

This handbook contains important general information for students undertaking Undergraduate Degree program in the Department of Management Information Systems. This handbook is also available on the web.

Your degree program is subject to regulations contained in the **University Students Guide**. This departmental handbook interprets the regulations and your tutors may give advice, but the University Students Guide defines the regulations.

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II. Mission Statement

The mission of The Management Information Systems Department is derived from the overall IT Faculty and University mission. The Management Information Systems Department at Philadelphia University was established during the year 2000-2001. The basic objective of the department is to generate highly skilled professionals to meet the growing market demands in the Information Technology and Systems.

The mission of the Management Information Systems Department at Philadelphia University is to provide outstanding education to its undergraduate students in accordance with the principles of the University mission, to advance scholarship in key domains of Management Information Systems, and to engage in activities that improve the welfare of society. The Department aims to maintain an environment that promotes innovative thinking; values mutual respect and diversity; encourages and supports scholarship; instills ethical behavior; and engenders life-long learning

The curriculum of this program aims to prepare students to have a good understanding of Information Technology and its use in organizations for information system development, decision making, project management, etc, and to develop Management Information Systems with Management /Business environment. The graduates from this department can apply IT knowledge in analysis, modeling, design, development, and implementation.

III. Important Dates

1. Registration:

Admission criteria are issued by the Higher Education Council, which governs all private universities (60% in the Tawjihi exam). First year students must attend the University and they will be given a full timetable for the introductory activities. Departmental and University registration must be completed at the time specified in the introductory timetable (shown below). Returning students must also register in the times specified during introductory week.

(a) The morning study (full-time students)

First year students must attend at 8.00 AM on Sunday 16th OCT 2017.

2. Session Dates

A. FIRST TERM

• The morning study

Begins: Sunday 16th OCT 2017 Ends: Thursday 26th February 2018

The first semester includes

- Teaching, learning, and assessment activities in MIS will run for 16 weeks, from Sunday 16th OCT 2017 to Thursday 26th February 2018.
- The following break days:25th October, 25th December, 1st January 2018.

B. SECOND TERM

• The morning study

Begin: Sunday 1st March 2018 End: Thursday 25th June 2018

The second semester includes

- Teaching, learning, and assessment activities in MIS will run for 16 weeks, from Sunday 1st March 2017 to Thursday 25th June 2018.
- day breaks on 25th May 2018.

C. SUMMER TERM

• The morning study

Begin: Sunday 5th July 2018

End: Thursday 3rd September 2018

Summer semester includes teaching, learning, and assessment activities, which will run from Sunday 5th July 2017 to Thursday 3rd September 2017.

The following break days: 18th July -20th July 2017.

• Examination Periods **************

First Semester:

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(for morning study) -19^{th} November to 27^{th} November 2017. (First Exam) (for morning study) -28^{th} December to 6^{th} January 2018. (Second Exam) (for morning study) -1^{th} February to 9^{st} February 2018 (Final Exam)
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Second Semester:

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(for morning study) –1th April to 9<sup>th</sup> April 2018. (First Exam) (for morning study) –6<sup>th</sup> May to 14<sup>th</sup> May 2018. (Second Exam) (for morning study) –14<sup>th</sup> June to 22<sup>th</sup> June 2018. (Final Exam)
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Summer Semester:

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(for morning study) -26^{th} July to 29^{th} July 2018. (First Exam) (for morning study) -9^{rd} August to 12^{th} August 2018. (Second Exam) (for morning study) -25^{th} August to 31^{th} August 2018. (Final Exam)
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3. Timetable

Lectures timetable is published separately from this book. Whilst every attempt is made to timetable reasonable combinations of course units (modules), various constraints make some combinations and outside options impossible. If you have a timetable problem, please consult your personal tutor in the first instance.

IV. Scope and Input Resources

1. Aims and Objectives

a. EDUCATIONAL AIMS

- To provide a broad-based education in MIS to students from a wide range of backgrounds and with varied subject interests and professional expectations.
- to create a supportive and stimulating learning environment to enable students to develop their capacity for creativity, visual and critical awareness, analysis, problem-solving, research, and speculative and intellectual enquiry.
- To enable students to acquire the knowledge, and develop specialist and transferable skills appropriate for MIS practice.
- To emphasize individual, collaborative and interdisciplinary work undertaken within the Information Technology environment and other appropriate environments.
- To equip students to pursue their chosen specialists through professional practice, related employment or further study or research.
- To contribute to the development of MIS theory and practice.

b. Enable students to develop their capacity to learn and participate in the society as competent professionals.

- 1- Abilities to improve the practical and theoretical skills.
- 2- Develop among students the awareness of the social, organizational, and professional context in which they will be working on.
- 3- Produce graduates who will be able to contribute to and take active part in a variety of industrial, commercial, and academic activities.
- 4- Produce graduates who exhibit a range of broad based skills and activities related to Management Information Systems.
- 5- Produce graduates who can adapt to changing technology and have the ability to recognize technological and human trends.
- 6- Produce graduates who meet the industry standard in MIS and have experience in the use of general tools and technologies used in the design and implementation of Management Information Systems.
- 7- Provide study opportunities, which are comparable with national and international academic qualifications.
- 8- Engender among students the spirit of research and enquiry through suitable mechanism such as departmental research.
- 9- Enable students to develop transferable skills such as verbal and written communication, teamwork leadership, planning, etc.

The Bachelor of MIS aims to produce graduates who will be able to:

- Develop Management Information System with Management/Business environment.
- Have a good understanding of Information Technology and its use in organizations for information system development, decision making, project management, etc.
- Have a life long learning attitude.
- Apply IT knowledge in planning, design, evaluation, development, implementation, etc.

Objectives (*Learning Outcomes*). Learning outcomes describe what you should know and be able to do if you make full use of the opportunities for learning that we provide. All these skills are described in the following areas (A, B, C, D). In the individual module syllabi, the categories of learning outcomes (A, B, C, D) and the individual learning outcomes appropriate to the module are identified.

A- Knowledge and Understanding of

- A1) The essential mathematics, statistics, management and accounting relevant to Management Information Systems;
- A2) A wide range of principles and tools available to MIS Professionals including analysis, modelling and design tools, programming language, case studies, etc;
- A3) The principles of information systems and technology, e-commerce, networks, e-marketing, business requirements;
- A4) The professional and ethical responsibilities and understanding of quality;
- A5) The principles and techniques of a number of research areas such as databases, decision support systems, information mamngement, project management, data mining, knowledge management etc;
- A6) The application of computing in management and business context;

B- Intellectual (thinking) skills - able to

- B1) Solve a wide range of problems related to the analysis, design and implementation of Management Information Systems;
- B2) Contribute in design and implement software systems in the field of decision making and e-commerce applications;
- B3) Identify a range of solutions and critically evaluate and justify proposed design solutions in different MIS fields including decision making, business systems, planning, project management, operations research, etc;

C- Practical skills - able to

- C1) Plan and undertake a major individual project.
- C2) Prepare and deliver coherent and structured verbal and written technical reports.
- C3) Give technical presentations suitable for the time, place and audience.
- C4) Use the scientific literature effectively and make discriminating use of Web resources.
- C5) Design, write and debug computer programs (e-commerce applications) in appropriate languages.
- C6) Use appropriate computer-based design support tools.

D- Transferable skills - able to

- D1) Display an integrated approach to the deployment of communication skills.
- D2) Use IT skills and display mature computer literacy.
- D3) Work effectively with and for others.
- D4) Strike the balance between self-reliance and seeking help when necessary in new situations.
- D5) Display personal responsibility by working to multiple deadlines in complex activities.
- D6) Employ operational research skills appropriately for business problems.

In order to provide students with the "life long learning" attitude, the teaching method is essentially based on self learning (3 hours in class rooms and 6 hours out of class rooms: coursework, practical works, workshops, seminars, etc.)

2. Staff

A. Academic Staff

Qualifications

The academic staff members are divided into two categories: full-time and part-time. The number of full-time staff members is 5, while the number of part-time staff depends upon the number of students and the needs of the Department.

The academic staff members, who are between 25 and 68 years of age, have relatively adequate experience ranging from 1 year to 25 years.

Two academic staff members at the Basic Sciences Department / Faculty of Science assist in teaching the Mathematics and Statistics course units. Other Two academic staff members at the Faculty of Administrative and Financial Sciences assist in teaching the Management and Accounting course units

Specialisations

Full-time as well as part-time teaching staff members have various specialisations that can be divided into four categories (Software, E-commerce Applications, Web Technology, and Information Systems). At present, there are three research teams at the Faculty of IT and young staff members belong to these teams.

B. Non-Academic Staff

Besides the academic staff, the Department has 3 other full time members, all of them hold a B.Sc. degree in Computer Science. Those staff members have 3 to 7 years working experience and some of them have been appointed from Philadelphia University graduates who hold bachelor degrees with Grade "Excellent" or "Very Good".

All of the non-academic staff members are qualified as laboratory tutors and assist lecturers in the laboratory hours. In addition, some of them are responsible for maintenance of computer hardware and software in the laboratories.

3. Departmental Learning Resources

• Code of Practice for Student Computer Usage

At registration, you will be required to assent to the following departmental code of behavior, which relates to the responsible use of Computer equipment. Misuse of the facilities is regarded as serious disciplinary offences.

This code of practice is supplementary to University regulations concerning the use of computing equipment to which you are required to assent at Registration.

- 1. Every student is allocated one PC in every laboratory session. But for UNIX laboratory, you have been allocated one or more usernames for your own personal use: you must not use other usernames or permit other people to use your username. You must not use computers to which you have not been granted access, or attempt to access information to which you have not been granted access.
- 2. You must not deliberately hinder or annoy other computer users.
- 3. You must not use machines belonging to the Department for commercial purposes without the prior written permission of the Head of Department. You must not sell the results of any work you do using Departmental facilities without the prior written permission of the Head of Department.
- 4. You must not write or knowingly store, on machines belonging to the Department, software that, if executed, could hinder or annoy other users, except with the prior written permission of the Head of Department.
- 5. You must not make an unauthorized copy, in any form, of copyright software or data.
- 6. You must not store personal information, except in a manner permitted by the Data Protection.
- 7. You must follow all rules, regulations and guidelines imposed by the Faculty of IT and the University in addition to the Department's Code of Practice.

• Explanatory Notes

The following notes indicate ways in which the Code of Practice applies to undergraduates for use of computers. It is not intended to be a complete list of possible abuses of the equipment. Each note refers to the corresponding paragraph above.

- 1. Undergraduate students are not normally granted access to the computers in the network, or to other students' files. You should not attempt to use another student's account even if they have not set a password. Of course, it is still important to set a password for your own privacy and security.
- 2. This will be interpreted very broadly. It includes
 - Tampering with another user's files.
 - Tampering with another user's screen.
 - Setting up processes which persist after you log out and annoy subsequent users of the machine.
 - Broadcasting of offensive messages.
 - Display or storage of offensive pictures.
 - Abuse of the mail system.
 - Occupying a machine to play games while other students need it to do their laboratory work.
- 3. Clearly, the Head of Department would have to be convinced that any such use of the machines would not conflict with their primary purpose.
- 4. Note carefully that this means you are not allowed to write or introduce a virus program, even if it is never executed.
- 5. Note that this does not prevent your taking copies of your laboratory work home, or making copies of non-copyright material, but does prevent your taking random pieces of software away on a floppy. You should assume that all material is copyright unless it specifically states otherwise. If in doubt, ask.
- 6. Personal information includes names, addresses, mailing lists, etc. You should contact the Data Protection Officer, Mr. Mohamad Thaljii, if you need to store such information.
- 7. In fact, you agreed to abide by the University and Faculty rules when you registered. Please direct queries concerning the code of practice to Department Chair.

• Support for Computer Equipment

Students are encouraged to own their own machines. Please note, however, that you are NOT REQUIRED to own your own computer. The Department has excellent facilities and undergraduate students are allowed to use the facilities provided in the buildings of the Faculty of Information Technology. Whenever the buildings are open between 08 AM and 04 PM, access is also allowed in this range of time, from Sunday to Thursday during term.

• Learning Resource Center

Photocopy facilities are available in the Learning Resource Center, room 103, Extension. 453. Reference copies of textbooks are available for consultation. Copies of previous weeks' tutorial solutions are also available. The resource center holds non-loan copies of undergraduate textbooks. Lending copies of textbooks are available in the University Library.

Photocopying

Out of the library, photocopy may be done at different Bookshops, on an affordable cost.

• Printing

You can take printout (free of charge) in any lab of the Department. Each lab contains at least two printers for this purpose.

• Departmental Computer Club

This is organized and run by students. It arranges various activities from time to time. See the notice boards in the Faculty.

• Administrative Infrastructure

It is composed of seven offices (Dean, 2 Advisory services, Dean Secretary, and Department's Chair, Department Secretary, and Meeting Room).

• Academic Infrastructure

It is composed of

- 16 Department classrooms plus some other classrooms shared with other faculties and one lecture theatre equipped with support facilities: computer, data show.
- 25 laboratories (each contains 20 to 25 PCs or Monitors and 1 to 2 printers): Windows NT Laboratories, Internet Laboratories, SunRay1 UNIX Laboratories, and Sun Sparc UNIX Laboratory.
- 1 Learning Resource Center that contains computers, textbooks and related reference books and journals.
- 6 staff offices where each staff member is supplied with a PC.
- 1 room for staff meeting
- 1 office for the student's guidance and examination committee.

• Lecture Support Facilities

In the Department, there are 14 data shows used to support modules and seminars presentations.

• University Computer Centre

This centre provides the Department with training and maintenance facilities.

• Networking Facilities

Ethernet: The PCs in each laboratory are connected to an Ethernet platform 10/100 Mbps.

Intranet: All computing facilities of the University are connected to a Gigabit Intranet backbone.

Internet: The University is connected to the Internet by 100 Mbps lines.

• Type and Level of Access

For communication, computing, or information searching, the Department provides free access to networking facilities at any time for the staff and the students.

• Library Infrastructure

This structure includes the University Main Library, which it provides students and staff members with the required recent text and references books, journals, and CD ROMs. According to its collaboration and co-ordination program, it has relations with more than 120 universities and scientific organisations. It opens from 08 AM to 04 PM. It includes:

- *Conventional Library*, which contains books and journals. The books room contains more than 8130 different English titles in computing, where more than 70% are edited in years 2000 and later. The room of journals contains 30 computing journals that are useful for research and teaching.
- *Electronic Library*, which contains CD ROMs for the taught programming languages and module support tools. It is connected to approximately 800 universities electronic libraries via the World University Library that is endorsed by the United Nation University. The World University Library has four databases that contain more than 3300 periodicals available online. The online resources in the electronic library include sites that list more than 40000 online books and access to online libraries and encyclopaedias and other databases on the Internet.
- Internet Access Service, available in a room containing 20 PCs.
- Bookshops: contain books, exercises with solutions, solutions to previous examinations and so on.

• Extracurricular Activities

The University provides some entertainment for the students to enrich their talents in their free time. This includes

- A Deanship of Student Affairs that organises the social, cultural, and sport activities for the students in the University. It has also an alumnae office that keeps track of the graduate's information and news.
- Several spaces for different sports.
- Several spaces for cultural activities.
- Several common rooms for meetings, snacks, and cafeterias.
- Three Internet cafes each one containing 15 PCs.
- One Students Club.

V. Student Support and Guidance

1. Vice Dean Office

The **Vice Dean Office** is mainly for students advisory services. It deals also with all routine undergraduate enquiries. Problems, which cannot be dealt with by the Assistant Dean, will be referred to an appropriate person in the Department or University.

2. Academic Guidance

All new students should have academic (personal) tutors. The new students are grouped into 20-30 students groups and each group is assigned to an academic staff member who is their academic tutor. The students remain with the same tutor till their graduation. The tutor deals with all routine undergraduate inquiries, advises for academic registration at the beginning of each semester, and any other raised problems. However, problems, which cannot be dealt with by the tutor, will be referred to the head of the Department, the Dean of the Faculty, or to an appropriate member of academic staff. The academic guidance is available on specified dates in the terms, and any advisory service offered by the Assistant Dean is available daily to all students in the Mangement Information Systems Department (including both Full- and Part-time students).

Time: 08.00 AM to 04:00 PM Sunday to Thursday during term.

The advisory service offers advice on departmental and University matters and helps with anything that concerns you, whether in your studies, in the Department, in the University or in your life outside the university. Each of the staff in these offices is available with knowledge of the Department and University and who is willing to listen and help with whatever you bring. Note that

- All visits to the advisory service offices are strictly confidential.
- If you have difficulties with material on particular course units you should normally first approach your tutors (or lecturers/project supervisors). You may also consult your tutors on matters that are more general but you can equally well call in at the Assistant Dean Offices.
- If you have health problems, you are welcome to consult an advisor in the Department but may prefer to go directly to your doctor or to the University Clinic.

Feel free to make use of these services at any time on any matter.

3. Students Affair Deanship

Confidential, individual counseling on any matter affecting personal well-being or effectiveness is available at the Philadelphia University Students Affair Deanship. The Deanship sees well over a hundred students a year and gives expert advice on problems such as low motivation, personal decision making, relationships, and anxiety and family difficulties. People there, are willing to help in finding fresh ways of coping with the emotional and personal aspects of problems and seeks to do so in a collaborative, straightforward and empowering way with the individual concerned. Advice is available concerning referral to other services, helping others and dealing with common student problems such as exam anxiety.

The Deanship is open from 8.00 AM to 4.00 PM, from Sunday to Thursday throughout the year and appointments can be made by calling into the office of the Dean of Students affairs. All inquiries will be treated confidentially.

4. Tutoring Arrangements

Some of your course units will have tutorials, where you can discuss topics on a course unit and run through exercises. Usually, the lecturer of the course unit runs the tutorial. There will be an opportunity for you to ask questions on matters you do not understand.

As you have a personal tutor from the beginning of your University life, your tutor is here to help you in your way through University life. He/she will watch your progress and offer help and advice wherever necessary. If you get into difficulties, you should contact your personal tutor or visit the Assistant Dean at the earliest possible opportunity. Do not let things slide until it is difficult to retrieve the situation, especially if you are getting behind with your work. Your personal tutor will also advise on your choice of course units, on departmental or University procedures and will provide references for jobs and other purposes.

Course lecturers are always available to discuss questions or problems with the course unit material. Each lecturer fixes at least six office hours on his timetable, which is fixed on his office door. You can call at these hours. For any reason, if these lecturers could not see you at these office hours, they may arrange an

appointment at another time. It is important that any matter that affects your ability to work is notified to the Department - through your personal tutor, through the Assistant Dean or otherwise. The following are examples of matters that may affect your work: illness, personal or family difficulties (including illness in the family) or financial problems. In assessing your performance, the Department has a policy of trying to compensate for difficulties you have encountered whilst studying. We can only do this if we are notified of difficulties and have some idea of their extent.

5. Student Progress

Work and Attendance. The University regulations governing the Work and Attendance of students are given in the Student Guide. Full attendance is required at all lectures, laboratories, and any tutorials, which may be scheduled. Completed laboratory work should be handed in on time. Attendance at laboratories and at many lectures is monitored and attendance registers kept. Please note that the expectation is that students will be required to undertake approximately thirty six hours per week of study i.e. an average of two hours private study will be required for every scheduled hour of lectures, laboratories etc. and some students may require much more time than this. Being a student is a full time occupation! Absence for holidays is not permitted in term-time. The experience of the Department confirms that lack of attendance leads to study problems and any student with problems should consult his/her subject tutors or personal tutor. In addition, failure to attend can result ultimately in refusal by the University to allow a student to sit in the degree examinations. The duty of the lecturer is to keep continuous review of the work and attendance of the students with whom he is concerned. If the rate of student absences, in a course unit, is greater than 15% (or 20% for student representing the University in sportive or cultural activities) of the completely accredited hours and the student has no acceptable justification, then this student is excluded from that course unit. If the Dean of the faculty accepts the justifications of absence, then this student is mentioned as withdrawn without refunding the registration fees. A formal process is defined to tackle the problem of any student whose work and attendance appear unsatisfactory. Direct approaches by lecturer to solve the problem are as follows: He may choose to issue an "informal" warning, which has a precisely defined format and permits recovery of the situation. If this is unsatisfactory, a "formal" warning is issued. This is again of a precisely defined format. Failure to recover the situation at this stage leads to an exclusion from the course. A copy of this correspondence is held in a student's file.

6. Interruption of Degree Program

Any interruption (taking at most 2 years) of your degree program requires special permission from Faculty. Regulations state that a B.Sc. degree is a continuous 4-year period of study. Permission will only be granted if satisfactory reasons are given. A written case with supporting evidence must be presented to Faculty. Reasons might include prolonged illness. Consult your tutor for advice.

7. Transfer between Departments

- If you are contemplating any change of Faculty or Department, consult your primary tutor as soon as possible.
- You can change your Department by filling a special form at the beginning of the semester. It is only required that the Tawjihi average imposed in the new faculty or department must be less than or equal to your Tawjihi average. A specialized committee will decide what courses will be retained from your actual Department.

8. Withdrawal from Modules

If you are contemplating withdrawing from a module, please discuss the situation with your personal tutor at the earliest opportunity.

- You can withdraw a module at most during the thirteenth week of the first or second term, and at most during the seventh week of the summer term.
- The minimal number of modules (which is 9) required in each term should be followed.

VI. Organization of Teaching

An individual course of lectures is known as a "course unit" or sometimes as a "module".

The curriculum contains modules that are from University Requirements (Univ. Reqts.), Faculty Requirements (Fac. Reqts.), and Department Requirements (Dept. Reqts.). Each module has 3 credit hours per week. However, some modules are supported by tutorials and some continuous assessment, such as seminars or laboratory work, usually amounting to 1 hour per week. When you register for course units, you should follow the academic guidance plan that the Department arranges for you. In fact, you can register on any module only if you have taken its prerequisite(s) with the exception that you can register on the module and its prerequisite only if you are in the graduation semester.

In each semester, you can register for at least 12 credit hours and at most 18 credit hours, except for the semester in which you are expected to graduate when you can register for 21 hours. The complete four years academic guidance plan is listed in **Appendix A** of this Handbook. For more information about module numbering and outline module descriptions, see **Appendix B** of this Handbook.

In the **First Year**, you are encouraged to take 18 credit hours in each semester (first and second, the summer term is not taken into account). The fourth digit of each course unit code (see **Appendix B**) tells you the year in which the course is offered. During each 16 weeks semester, students will normally attend 6 modules. Thus, each teaching week contains 18 hours or more of scheduled work. In addition, each scheduled hour typically requires two extra hours of unscheduled work (e.g. writing up lecture notes, preparing for a tutorial, finishing off a laboratory exercise etc.). The selection of a University elective module (one module) depends upon your choice. **Five** of the 12 modules of the first year are from the University requirements, **three** from the Faculty requirements, **two** from the support requirements, and **two** from the Department requirements.

In the **Second Year**, the number and size of modules is similar to that of the first year. **One** of the 12 modules of the second year are from the University requirements, **two** from the Faculty requirements, **one** from the support requirements, and **eight** from the Department requirements.

Meanwhile, in the **Third Year**, you should take six modules in the first semster and five modules in the second semester. **Nine** modules are from the compulsory Department Requirements, **one** module from the University requirements and **one** module form the Faculty requirements. One of the compulsory modules is the **Practical Training module**, which consists of realizing a supervised training in an industrial organization, or using distance online training. You should take this module in the first semester.

In the **Fourth Year**, you should take nine modules in this year. In the first semester, you must select one departmental elective module, three compulsory modules that are all from the Department requirements, and one module from the Fcaulty requirements. In the second semester, you must take the Graduation Project module, **one** departmental elective module, **one** University elective module, and **one** free module from any department in the University.

VII. Course Unit Choices

You may choose a course unit (module) if you have already taken all its prerequisite modules and your personal tutor must supervise this choice.

An initial choice is made before or at Departmental Registration. After that, changes can be made as follows:

- The deadline for changing modules in each semester is one week after lectures start (three days for summer semester). Normally, no changes of modules will be permitted after these dates except for the withdrawal mentioned in point (8) of the previous section.
- In the first instance, you should discuss any plan to change modules with your primary tutor. You must check that the new module you wish to take is a valid option for your degree program and find out if there are likely to be any timetable problems. If there are timetable clashes this will probably prevent you from changing module.

VIII. Assessment and Examinations

1. Criteria for Assessing Examination Work

First class (90 - 100 marks). First class answers demonstrate depth of knowledge or problem solving skills, which is beyond that expected from a careful and conscientious understanding of the lecture material. Answers will show that the student

- 1. has a comprehensive knowledge of a topic (often beyond that covered directly in the program) with an absence of misunderstandings;
- 2. is able to apply critical analysis and evaluation;
- 3. can solve unfamiliar problems not drawn directly from lecture material and can adjust problem solving procedures as appropriate to the problem;
- 4. can set out reasoning and explanation in a logical, incisive and literate style.

Upper Second class (80 – 89 marks). Upper second class answers provide a clear impression of competence and show that the student

- 1. has a good knowledge base and understanding of all the principal subject matter in the program;
- 2. can solve familiar problems with ease and can make progress towards the solution of unfamiliar problems;
- 3. can set out reasoning and explanation in a clear and coherent manner.

Lower Second class (70 - 79 marks). Lower second class answers will address a reasonable part of the question with reasonable competence but may be partially incomplete or incorrect. The answer will provide evidence that the student:

- has a satisfactory knowledge and understanding of the principal subject matter of the program but limited to lecture material and with some errors and omissions;
- can solve familiar problems through application of standard procedures;
- can set out reasoning and explanation which, whilst lacking in directness and clarity of presentation can nevertheless be followed and readily understood.

Third Class (60 - 69 marks). Third class answers will demonstrate some relevant knowledge but may fail to answer the question directly and/or contain significant omissions or incorrect material. Nevertheless, the answer will provide evidence that the student

- has some basic knowledge and a limited understanding of the key aspects of the lecture material;
- can attempt to solve familiar problems albeit inefficiently and with limited success.

Pass~(50-59~marks). Answers in this category represent the very minimum acceptable standard. Such answers will contain very little appropriate material, major omissions and will be poorly presented lacking in any coherent argument or understanding. However the answer will suggest that the student

- has some familiarity with the general subject area;
- whilst unable to solve problems can at least formulate a problem from information given in a sensible manner.

2. Assessment Regulations

In general, every module is assessed as follows: 60% is given for two 1-hour midterm exams, coursework and/or seminars, projects, or essays, and 40% for the final exam that may be a written exam only or a written exam plus final laboratory exam (if applicable), final small project, or seminar presentation. The 40% of the final exam is from the University regulations. The minimum pass mark is 50% for any module, whereas the minimum passing accumulated average in each semester is 60%. Students will be warned if they could not obtain average of at least 60%. In this case, students are encouraged to repeat studying those modules with low marks in order to increase their accumulated averages. However, students will be dismissed from the University if this average is not achieved in the third attempt.

For the practical training module, each student should submit a technical report of his/her training, and a team of academic staff members makes several observations on the trainers' work in their place of training. Then according to the observations and the report, they assess the students.

On the other hand, a committee of three staff members, including the supervisor of the project, assesses the graduation project module. The project's assessment includes the supervisor mark (35%) and the discussion

committee mark (65% given as follows: 20% for project presentation, 25% for report writing, and 20% for defendant discussion).

3. Role of Internal and External Examiners

For each module, the Department assigns a module coordinator and an internal examiner who is one of the senior staff members. If many lecturers teach the same module concurrently, they should suggest exam questions (for the first, second and final exams) and run the same exam for all sections. The main coordinator of the module will collect these questions from lecturers and select some of them to be in the exam paper.

On the other hand, external examiners validate the standard of degree program. The external examiners are expected to look at the question papers, inspect a selection of scripts and project reports (particularly those on borderlines). They supply an assessment report to the Department.

4. Appeal Procedures

If you have good reason to question a mark you have been given (in midterm exams or in coursework), you should in the first instance approach the module lecturer. If the problem is not solved, you must submit it to your primary tutor. He will find the appropriate solution with administrative structures.

Problems with final examinations are resolved by submitting complaints or appeals in writing (within three days of the announcement of examination results) to the Examination Committee of the Faculty. The examination committee will consider these cases and checks if there is any mistake in the summation of the marks and so on.

5. Unfair Practices

The University treats attempting to cheat in examinations severely. The penalty is usually more severe than a zero in the paper concerned. More than one student of this Department were dismissed from the University because of this. Plagiarism, or copying of course or lab work, is also a serious academic offense as explained in the University guidelines. In Management Information Systems Department these guidelines apply also to laboratory exercises.

6. Department Guidelines on Plagiarism

- 1. Coursework, laboratory exercises reports and essays submitted for assessment must be your own work, unless in the case of group projects a joint effort is expected and is indicated as such.
- 2. Unacknowledged direct copying from the work of another person, or the close paraphrasing of somebody else's work, is called plagiarism and is a serious offence, equated with cheating in examinations. This applies to copying both from other students' work and from published sources such as books, reports or journal articles.
- 3. Use of quotations or data from the work of others is entirely acceptable, and is often very valuable provided that the source of the quotation or data is given. Failure to provide a source or put quotation marks around material that is taken from elsewhere gives the appearance that the comments are ostensibly your own. When quoting word-for-word from the work of another person quotation marks or indenting (setting the quotation in from the margin) must be used and the source of the quoted material must be acknowledged.
- 4. Paraphrasing, when the original statement is still identifiable and has no acknowledgement, is plagiarism. A close paraphrase of another person's work must have an acknowledgement to the source. It is not acceptable for you to put together unacknowledged passages from the same or from different sources linking these together with a few words or sentences of your own and changing a few words from the original text: this is regarded as over-dependence on other sources, which is a form of plagiarism.
- 5. Direct quotations from an earlier piece of your own work, if not attributed, suggest that your work is original, when in fact it is not. The direct copying of one's own writings qualifies as plagiarism if the fact that the work has been or is to be presented elsewhere is not acknowledged.
- 6. Sources of quotations used should be listed in full in a bibliography at the end of your piece of work.
- 7. Plagiarism is a serious offence and will always result in imposition of a penalty. In deciding upon the penalty the Department will take into account factors such as the year of study, the extend and proportion of the work that has been plagiarized and the apparent intent of the student. The penalties that can be imposed range from a minimum of a zero mark for the work (without allowing resubmission) through caution to disciplinary measures (such as suspension or expulsion).

IX. Teaching Quality Assurance Committee

The Departmental Teaching Quality Assurance and Enhancement Committee is responsible for the quality of teaching in the Department, including the analysis of Course Evaluation Questionnaire responses.

X. Student Feedback and Representation

1. Staff Student Consultative Committees

Student representatives are elected onto the departmental staff student committees at the start of each term. All simultaneous sections of a module have a staff student committee. Each committee meets at least three times each semester and may discuss any matter of concern with the module. The staff members of each committee are the lecturers of the concerned sections.

2. Departmental and Deanship Meetings

The meetings, held by the head of Department and the Dean of the Faculty during term time, has mainly an advisory role, where students may raise their problems that need some concern from these authorized persons. These meetings are held separately for each year students.

3. Module Evaluation Questionnaires

The Department attaches great importance to the opinion of students on the quality of the teaching provided, and every student is asked to complete a Module Evaluation Questionnaire for each module. The questionnaires are anonymous.

XI. Communications

1. Official Notices

Official notices are posted on the notice boards at the Department and at the Faculty. Electronic mail is also used extensively for communication with the Department and University. Each lecturer provides the students with his/her e-mail at the beginning of the term. Most official information including copies of this handbook, the undergraduate syllabus and timetables are available on the University Web pages www.philadelphia.edu.jo. This includes directories of staff and students for internal use, completed with photographs.

2. Electronic Mail

Electronic mail is used widely for administrative purposes within the Department. It is frequently useful for communicating between individuals and small groups (e.g. between a tutor and his/her tutorial group), and occasionally for broadcasting important messages to wider groups. It is important that you know how to use email. It will be covered in the introductory laboratory sessions. The code of practice for computer usage covers electronic mail, please note the points below.

3. Obscene or Offensive Mail

DO NOT SEND OBSCENE OR OFFENSIVE MAIL. If you receive mail, which you regard as offensive or obscene, you may wish to complain to a member of staff so that appropriate disciplinary action can be taken against the offender.

4. Group Mailing

You are strongly discouraged from sending email to groups of people. The newsgroups should be used for this purpose.

5. Miscellaneous Hints

- Be brief in your communications.
- Compose your message as if ALL of your recipients were physically present.
- Limit the distribution of messages to the people who are likely to be interested.
- Keep a copy of the mail you send out, for future reference. Learn to use folders to keep useful messages.

- Read all your incoming mail before replying to any of it. There may be other relevant messages for you to read.
- Be careful when replying to messages. You probably want your reply to go only to original message sender not to the whole of the distribution list.
- When you reply to a message, it is frequently helpful to include some of the original message to help your recipients to remember and understand the context of the reply.

XII. Curriculum Design, Content and Organization

1. Curriculum Design and Content.

Students should complete 44 modules (132 credit hours) summarised as follows:

-	9	modules (University requirements)	(27 credit hours)	(20.45 %)
-	9	modules (Faculty requirements)	(27 credit hours)	(20.45 %)
-	19	modules (Departmental Compulsories)	(57 credit hours)	(43.18%)
-	2	modules (Departmental Electives)	(6 credit hours)	(4.55 %)
-	5	modules (Supportive modules)	(15 credit hours)	(11.36 %)

The Department covers the Management Information Systems program from the areas listed below:

- 1. Fundamentals and applications of management Information Systems
- 2. Applications of Programming languages in management
- 3. Databases and systems analysis & design
- 4. Knowledgebase systems and management
- 5. E-commerce and multimedia and communications Systems
- **6.** Mathematics, statistics and legal aspects
- 7. practical courses
- 8. Project and training

Table (1) gives the number of covered modules in each area. Note that the ratios are calculated according to 44, which is the total number of modules that each student should study. In this Table, the total number of the compulsory modules is shown as 33 rather than 24. This is because some modules from University and Faculty requirements are included as they are strongly related to the compulsory modules. **Table** (2) illustrates the taught modules in each area.

Table (1) Areas of Specialization and Number of Modules

	Area		ompulsory Modules	Elective Modules		Total No.	
			(No. /44) %	No.	(No./44) %	of Wioddles	
1-	Fundamentals and applications of MIS and Programming languages in management		25.00%	1	2%	12	
2-	Databases and systems analysis & design	5	11%	0	0%	5	
3-	Knowledgebase systems and management		5%	2	5%	4	
4-	E-commerce and multimedia and communications Systems		11%	0	0%	5	
5-	Mathematics, statistics and legal aspects	4	9%	0	0%	4	
6-	practical courses		7%	1	2%	4	
7-	Project and training		5 %	0	0%	2	
	Total	32	75%	4	29.5%	36	

2. Curriculum Organization. The curriculum is organised as it is shown in the study plan in Appendix C.

3. Curriculum Characteristics

- *Objectives of the Main University-Requirement Modules*. These requirements are to broaden the student's base for different topics such as culture, languages, and computer skills.
- Objectives of the Main Faculty-Requirement Modules. These requirements are to consolidate mainly the student's background in IT/IS, Programming and some other common topics. They constitute the common knowledge required for all students in the Faculty of Information Technology.
- Objectives of the Main MIS Modules in the Curriculum. The modules in the curriculum are organized into three types: introductory, intermediate, and advanced modules. The curriculum is designed according to the Imperative First Strategy for the introductory modules. This model also focuses on programming, but emphasises the principles of object-oriented programming and Design from the second semester of the first year. The curriculum of Intermediate modules is designed according to the Topics-based approach, which is the most common approach for the intermediate modules. Students take separate modules in each of the core areas enumerated below (programming fundamentals with object-oriented paradigm, Management Information Systems, Multimedia, Data strcture, etc.). For the advanced modules, the Department wishes to orient such modules to its own areas of expertise. The advanced and elective modules contain more advanced topics in the areas of Management Information Systems, Systems analysis, design and modelling, Decision support systems, Data Mining, Project and Training.

 Recent methodology in programming such as object-oriented programming, software tools, and current technologies in E-commerce applications and Enterprise systems are included in the curriculum.
- *Objectives of the Training and Graduation Project Modules.* The objectives of these modules are to allow students to gain practice in problem analysis, design, implementation, report writing, and presentation.
- Elaboration on Content and Emphasis of Practical Components of Modules. Most of the modules contain practical work that make students involved in using current software tools and computing technologies. Thus, the practical part of modules accounts for at least 25% of the total number of hours. Many laboratory assignments are given during the semester through which the students can practice what they have learned from the theoretical part of the module, or develop their skills in using most recent software tools and programming languages. For example, the practical work in "Programming Fundamentals I, II" and "Object-Oriented Programming" modules emphasize on problem solving and structured and object-oriented programming via C++ language, C# and Java language. However, the practical work in E-commerce applications development module is concerned with PHP & Mysql and .Net Framework, while in Data base applications it is concerned with Oracle 12g DBMS. Many other tools are associated with other modules such as Operations Research (TORA), Data Mining (WEKA), Systems analysis & design & Modelling (Rational Rose), Decision support systems (DSS Tools), Enterprise Information Systems (ERP tools), Information Systems Project Management (MS Project),...etc
- 4. Innovation of Curriculum. The curriculum is constantly evolving to cope-up with new technologies and rapidly developing software. The first curriculum was designed in 2000 and updated in 2001, 2005, 2008, 2010 and 2015. This development is through regular internal monitoring and reviews, and to recent local developments in teaching and learning. For example, the Curriculum is a clear specialisation in analysis, modelling, design, and development of software and management information systems that are supported by the object-oriented technology. Proceeding in this way provides a curriculum that matches the aims and objectives of the Department and the University. The Scientific Committee with the Syllabus setup committee of the Department usually recommend development and modification of curriculum.

XIII. Health and Safety in the University

The University has a Health and Safety Committee, which comprises representatives of all services within the University. It is the responsibility of this committee to investigate complaints and potential hazards, to examine the cause of all accidents and to carry out periodic inspections of all areas of the Department. At registration, you will be required to assent to the departmental code of behavior, which relates to health and safety.

1. Buildings

The Department comprises two kinds of buildings: the Rooms Building and the IT Laboratories. The buildings are generally open between 08.00 and 04.00 (Sunday – Thursday). In accordance with University policy, smoking is prohibited throughout all buildings.

2. Emergency Evacuation

It is the responsibility of every individual to familiarize themselves with the Department's buildings and be aware of the fire exits.

- After evacuation of any building, please assemble well away from the building, and do not block any exits.
- Do not return to any building until authorized to do so.

3. Fire Action

Fire Action notices are located at, or adjacent to, fire alarm actuation points, and all staff and students should make them acquainted with this routine.

4. Operating the Fire Alarm

The manual fire alarm system can be activated by breaking the glass in the red contact boxes sited at strategic points throughout the premises.

5. Use of Fire Appliances

Fire appliances are sited at strategic points throughout the Department to deal with fires. Fires should only be tackled provided there is no personal danger and after the alarm has been set off.

6. Action when the Alarm Rings

On hearing the intermittent alarm, you should prepare yourself to leave the building. On hearing the continuous alarm, you should evacuate the building immediately by the nearest exit.

7. Personal Difficulties

Please inform the Department's counselors or your tutor of any difficulties with which the Department can be of assistance.

Appendix A

The Study Plan

of

Management Information Systems Programme

(2017/2018)

First: University Requirements (27 Credit Hours)

1- University Compulsory: (15 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.
0111100	Military Sciences **	3	
0111101	National Education	3	
0114101	Arabic Language Skills (1)	3	0114099
0130101	English Language Skills (1)	3	0130099
0130102	English Language Skills (2)	3	0130101

^{**} Compulsory for Jordanian students and elective for Non-Jordanians

2- University Electives: (12 credit Hours)

a. Humanity Sciences Field (3 - 6) Credit Hours					
Module No.	Module Name	Credit Hours	Prereq.		
0114102	Arabic Language Skills (2)	3	0114101		
0130103	English Language Skills (3)	3	0130102		
0140101	French Language Skills (1)	3			
0140104	Foreign Language (Italian 1)	3			
0140105	Foreign Language (Italian 2)	3	0140104		
0140106	Foreign Language (Hebrew 1)	3			
0140109	Chinese language Skills (1)	3			
0140110	Chinese language Skills (2)	3	0140109		
b.	Social and Economical Sciences Field (3 - 6) (redit Hou	rs		
0111111	Introduction to Sociology	3			
0111112	Introduction to Psychology	3			
0111133	Culture and Civilization (1)	3			
0111142	Communication and Society	3			
0115255	Culture of Development	3			
0420140	Human Rights	3			
0420143	Legal Culture	3			
c. Scie	nce, Technology, Agriculture, & Health Field (3	-6) Credi	Hours		
0371111	Project Management Skills	3			
0731101	Social Networking Skills	3			
0731111	Computer Skills	3			
0910101	Health Promotion of Individuals and the community	3			
0910105	Principles of Nursing and First Aid	3			

Second: Faculty Requirements (24 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.
0721223	Object-Oriented Programming *	3	0750114
0721240	Computing Ethics	3	0731110
0731110	Introduction to Information Systems and Technology	3	
0731213	Introduction to Web Programming *	3	0750114
0750113	Programming Fundamentals (1) *	3	
0750114	Programming Fundamentals (2) *	3	0750113
0750215	Visual Programming *	3	0721223
0780110	Introduction to Internet and Web Technology	3	

Third: Major Requirements (81 Credit Hours)

a- Compulsory Modules (60 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.
0731214	Information Systems Management	3	0731110
0731220	Introduction to Data Structures and Algorithms	3	0721223
0731221	Database Fundamentals *	3	0721223
0731240	Principles of E-Commerce 3		0731213
0731241	Multimedia Systems *	3	0731110
0731315	Information Systems for Business Functions	3	0731214
0731316	Information Systems Projects Management	3	0731214
0731321	Systems Analysis and Design	3	0731221
0731330	Decision Support Systems	3	0731316
0731340	Fundamentals of Computer Networks *	3	0731220
0731343	E-Marketing	3	0731240
0731360	Database Applications *	3	0731221
0731370	Practical Training	3	81 Hours
0731415	Operations Research for Business	3	0250105
0731423	Data Mining	3	0731360
0731433	Knowledge Management	3	0731330
0731443	Information Systems Security	3	0731340
0731444	Advanced Applications in E-Business	3	0731343
0731465	E-commerce Applications Development *	3	0750215
0731480	Research Project (1) *	1	90 Hours
0731482	Research Project (2) *	2	0731480

b- Supplementary Requirements

(15 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.
0250105	Business Mathematics	3	
0250231	Introduction to Probability and Statistics	3	0750099
0311110	Principles of Accounting (1)/ English	3	
0331110	Introduction to Management/ English	3	
0731450	E-Commerce Law	3	0731240

c- Elective Modules

(6 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.
0731324	Business Requirements Analysis	3	0731321
0731434	Special Topics in MIS	3	90 Hours
0731464	Information Systems Modeling *	3	0721223
0731466	Accounting Information Systems *	3	0311110

The Guidance Plan

of

Management Information Systems Programme

(2018/2019)

Appendix B

The Guidance Plan

of the

Management Information Systems Programme

(2017/2018)

Philadelphia University



Faculty of Information Technology

Management Information Systems Department Guidance Plan (132 Credit Hours) (2018/2019)

	First Semester				Second Semester			
Year	Course No.	Course Name	Prereq.	Type	Course No.	Course Name	Prereq.	Type
	731110	Introduction to Information Systems & Technology		Fac	750114	Programming Fundamentals (2)	750113	Fac
	750113	Programming Fundamentals (1)		Fac	311110	Principles of Accounting (1)/ EN		Sup
	331110	Introduction to Management/ EN		Sup	130102	English Language Skills (2)	130101	Fac
(1)	111101	National Education		Univ	250105	Business Mathematics		Sup
	130101	English Language Skills (1)	130099	Univ	114101	Arabic Language Skills (1)	114099	Univ
					780110	Introduction to Internet & Web Technology		Fac
		Total Hours 15				Total Hours 18		
	721223	Object-Oriented Programming	750114	Fac	731220	Introduction to Data Structures & Algorithms	721223	Dept
(2)	731214	Information Systems Management	731110	Dept	731221	Database Fundamentals	721223	Dept
	731213	Introduction to Web Programming	750114	Fac	731240	Principles of E-Commerce	731213	Dept
	721240	Computing Ethics	731110	Fac	731241	Multimedia Systems	731110	Dept
	250231	Introduction to Probability & Statistics	750099	Sup	750215	Visual Programming	721223	Fac
		University Elective		Univ		University Elective		Univ
		Total Hours 18				Total Hours 18	T	
	731321	Systems Analysis & Design	731221	Dept	731343	E-Marketing	731240	Dept
	731360	Database Applications	731221	Dept	731370	Practical Training	81 Hrs	Dept
(2)	731340	Fundamentals of Computer Networks	731220	Dept	731415	Operations Research for Business	250105	Dept
(3)	731315	Information Systems for Business Functions	731214	Dept	731316	Information Systems Projects Management	731214	Dept
		University Elective	sity Elective Uni			University Elective		Univ
		Total Hours 15	1			Total Hours 15	1	
	731443	Information Systems Security	731340	Dept	731433	Knowledge Management	731330	Dept
	731423	Data Mining	731360	Dept	731465	E-commerce Applications Development	750215	Dept
(4)	731330	Decision Support Systems	731316	Dept	731450	E-Commerce Law	731240	Supp
(1)	 521400	Department Elective - 1		Dept	731482	Research Project (2)	731480	Dept
	731480	Research Project (1)	90 Hrs	Dept	721444	Department Elective – 2		Dept
	111100	Military Sciences		Univ	731444	Advanced Applications in E-Business	731443	Dept
	Total Hours 16					Total Hours 17		