

## **REGULATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN INFORMATION MANAGEMENT (BSc[IM])**

*(See also General Regulations and Regulations for First Degree Curricula)*

The degree of Bachelor of Science in Information Management (BSc[IM]) is awarded for the satisfactory completion, on a full-time basis, of a prescribed programme of study in Information Management.

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### **Ed346 Admission to the degree**

To be eligible for admission to the degree of Bachelor of Science in Information Management, candidates shall

- (a) comply with the General Regulations;
- (b) hold (i) an Associate Degree or a Higher Diploma; or (ii) other qualifications of equivalent standard accepted for this purpose;
- (c) comply with the Regulations for First Degree Curricula; and
- (d) comply with the Regulations set out below and pass courses worth not less than 180 credits.

In recognition of their attainment of requirement (b), candidates will be granted advanced standing of 60 credits in accordance with Regulation UG2 for First Degree Curricula.

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### **Ed347 Completion of curriculum**

To complete the curriculum, candidates shall

- (a) have attained 60 credits in advanced standing;
  - (b) complete courses worth not less than 120 credits in the manner specified in the syllabuses; and
  - (c) pass the IT proficiency test as specified in UG3(b) of the Regulations for First Degree Curricula.
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### **Ed348 Length of study**

The curriculum shall normally require four semesters of full-time study spread over two academic years.

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### **Ed349 Progression**

Candidates shall follow instruction in the syllabuses prescribed and shall normally be required to complete all the requirements in each year before progressing to the next year of study.

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### **Ed350 Assessment and grades**

- (a) Grades shall be awarded in accordance with UG5 of the Regulations for First Degree Curricula;
- (b) Candidates shall not be permitted to repeat for upgrading purposes a course for which they have received a pass grade.

**Ed351 Examinations**

Candidates who are unable because of illness to be present for any written examinations may be permitted to present themselves for re-examination, prior to the beginning of the following academic year. Any application for such permission shall be made within two weeks of the first day of absence from any written examination.

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**Ed352 Discontinuation**

Candidates who have

- (a) failed to pass at the first attempt at least 36 credits in the first year of study; or
- (b) failed to pass at the first attempt at least 45 credits in the second year of study; or
- (c) achieved a GPA of less than 1.00 at the end of any subsequent year of study

shall not be permitted to present themselves for re-examination, and shall be recommended for discontinuation of studies under the provisions of General Regulation G12.

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**Ed353 Re-examination**

Candidates who have failed to satisfy the examiners in course(s), but have passed courses worth at least 36 credits and achieved a GPA of at least 1.00 at the end of the first year of study, or at least 45 credits of the required 60 credits and achieved a GPA of at least 1.00 at the end of the second year of study shall be permitted to present themselves for re-examination prior to the beginning of the following academic year, except candidates who have failed in a course as prescribed under regulation UG3(a) (iii) and (iv) of the Regulations for First Degree Curricula. Those candidates shall be permitted either to present themselves for re-examination in the failed course, or to repeat the failed course, or to take another course, as prescribed under regulation UG3(a)(iii) and (iv), of equivalent number of credits. Candidates who fail to satisfy the examiners at a re-examination shall normally be:

- (a) required to repeat the whole or part of the year of the programme; or
  - (b) permitted to progress to the following year of study and to present themselves for re-examination in the failed courses if any such compulsory courses are of not more than 6 credits in total, in any prescribed form of examination; or
  - (c) required to discontinue their studies.
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**Ed354 Re-examination grades**

Courses in which candidates are given an F grade shall be recorded on the transcript of the candidate, together with the new grade if the candidate is re-examined or repeats the failed course. Any failed grades shall be included in calculating the GPA and shall be taken into account for the purposes of determining eligibility for award of the BSc[IM] degree, honours classification and whether a candidate is discontinued from studies.

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**Ed355 Degree classification**

The degree shall be classified in five divisions: First Class Honours; Second Class Honours Division One; Second Class Honours Division Two; Third Class Honours; Pass.

## **SYLLABUSES FOR THE DEGREE OF BACHELOR OF SCIENCE IN INFORMATION MANAGEMENT**

Candidates are required to complete courses totaling not fewer than 120 credits for the Bachelor of Science in Information Management degree. These courses must comprise:

- 6 credits in Language Enhancement courses as required by UG3(a)(i) and (ii) of the Regulations for First Degree Curricula, namely 3 credits in English Language Enhancement and 3 credits in Chinese Language Enhancement
- 96 credits in Core Courses
- 6 credits in Professional Experience
- 6 credits in broadening courses as required by UG3(a)(iii) of the Regulations for First Degree Curricula
- 6 credits in a Project.

Candidates shall pass the University IT proficiency test as specified in UG3(b) of Regulations for First Degree Curricula before graduating.

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### **FIRST YEAR**

Candidates shall normally take 60 credits and pass the IT proficiency test as specified in UG3(b) of the Regulations for First Degree Curricula. The 60 credits will normally be made up of:

- 6 credits in Language Enhancement courses
  - 48 credits in Core Courses
  - 6 credits in broadening courses
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### **SECOND YEAR**

Candidates shall normally take 60 credits, comprising:

- 48 credits in Core Courses
  - 6 credits in Professional Experience
  - 6 credits in a Project.
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### **LANGUAGE ENHANCEMENT COURSES (6 credits)**

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#### *English Language Enhancement*

#### **ECEN2413. General English for BSc(IM) students (3 credits)**

This course provides the opportunity for students to enhance their English proficiency skills. In particular, it helps students develop their writing skills with a focus on academic essay writing and report writing in the context of information management and information system. Assessment is wholly by coursework.

*Chinese Language Enhancement*

**CEDU1005. Practical Chinese language course for BSc(IM) students (3 credits)**

*(see Annex I)*

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**INFORMATION TECHNOLOGY COURSE (proficiency test)**

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**YITC1002. Information technology proficiency test (0 credits)**

*(For details refer to the Regulations and Syllabuses for Broadening Courses)*

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**BROADENING COURSES/INTER-FACULTY ELECTIVES (6 credits)**

Candidates are required to fulfill the following requirements:

- (a) successful completion of a 3-credit course in Science and Technology Studies; and
  - (b) successful completion of a 3-credit course in *either* Culture and Value Studies; *or* an area of study outside those of the candidates' own degree curricula, as an elective course.
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**CORE COURSES (96 credits)**

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**BSIM0001. Information management foundations (6 credits)**

This course introduces the literature of librarianship and information management and to provide an overview of the historical, current, and potential roles of libraries and information agencies. Approaches to needs analysis will be explored.

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**BSIM0002. Information literacy (3 credits)**

This course provides a framework for an examination of information literacy issues. The central concerns are the nature of information, the nature of the autonomous learner and user needs, enquiry based learning, and information seeking behaviour.

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**BSIM0003. Information policy (6 credits)**

The course examines the need for information policy at the macro and micro levels. Emphasis is given to the technological, political and ethical issues about information policy in the information management contexts. Topics include the role of the government in production and dissemination of information, the tension between privacy and freedom of access to information, and issues of potential conflicts in values and priorities in information policy. Models of policy development will also be examined.

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**BSIM0004. Information retrieval (6 credits)**

This course investigates information retrieval principles, techniques and strategies from electronic information sources. It evaluates commercial and Internet databases and search engines. Data analysis, end-user products and services will also be explored.

**BSIM0005. Information society issues** (6 credits)

The course examines entrenched and emerging technological, political, economic, social, legal and ethical issues in the information based global society. Specific topics include intellectual property rights and copyright, information rich and poor, information and culture, technology and culture, societal needs and demands of information, and sociology of knowledge.

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**BSIM0006. Knowledge management** (6 credits)

This course provides an introduction to KM theory, issues and developments. Human elements relating to organizational culture and learning are the focus for examining models for knowledge creation, taxonomies and sharing. Change management, communities of practice and decision-making are explored. Technical elements relating to electronic tools and platforms such as groupware, document management, intranets, customer relationship management and the use of information and communication technologies will be examined.

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**BSIM0007. Metadata** (6 credits)

This course will examine metadata schemas and standards in the digital environment with emphasis on the development and implementation of metadata and its technological applications used in libraries and information centers to create machine understandable metadata. XML, with its ability to define formal structure and semantic definitions for metadata and models, will be introduced.

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**BSIM0008. Networks and telecommunications** (6 credits)

This course aims to cover basic computer networks concepts and telecommunications applications. Topics include network planning, implementation, management and security as well as their application in organizations. Network configuration issues and telecommunications applications are also examined.

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**BSIM0010. Digital libraries: principles and applications** (6 credits)

This course focuses on research and development issues in digital libraries; access strategies and interfaces; metadata and interoperability; economic and social policies and management and evaluation.

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**BSIM0011. Project management** (6 credits)

This course introduces the project life cycle and the techniques and change management aspects of managing and planning successful projects in organizations. Conceptual foundations are the focus so students can use project management software effectively.

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**BSIM0012. Records management** (6 credits)

This course explores the philosophy of records management and presents the basic techniques and standards for managing records. It describes the application of these techniques both to existing situations and to the creation of new records management programs. The course investigates methods for improving active, inactive and permanent records management, and the retention and disposal of records.

**BSIM0013. Web services & digital publishing** (6 credits)

This course focuses on the theories and techniques in using the Internet as a medium for information, research, education, communication, and multimedia resources. This course also introduces the basic standards and design that enable web services and digital publishing.

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**BSIM0014. User-based systems analysis** (6 credits)

This subject introduces students to the evaluation and design of information systems in the context of information agencies. Technologies of networking and databases will be examined with an emphasis on usability and internal and external human factors. Mapping technology planning to organizational functions and goals as well as human-computer interactions will be discussed.

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**BSIM0016. Social and organizational issues of information management** (6 credits)

This subject introduces the relationship between information and information systems, technology, practices, and artifacts on how people organize their work, interact, and understand experience. Individual, group, organizational, and social issues in information production and use as well as information systems design and management are discussed.

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**BSIM0017. Database systems** (6 credits)

This course aims to introduce fundamental concepts of database management systems, with an emphasis on the relational database model and applications in information agencies. Topics include the motivation for database systems, conceptual and implementation data models, data modeling, principles of database design, data definition and manipulation languages. Support for procedural database objects and object relational concepts in SQL is also introduced.

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**BSIM0018. Data warehousing and data mining** (6 credits)

This course aims to introduce the challenges and solutions of discovering and extracting organizational information from heterogeneous sources through the use of data warehousing and data mining techniques. Topics include the motivation for and the processes of data warehousing, data warehouse architecture and design, online analytical processing, as well as concepts and techniques of data mining. Ethics and personal privacy issues in data mining are also addressed.

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**BSIM0019. Electronic commerce** (3 credits)

This course emphasizes organizational and technological issues related to electronic commerce, such as business models for B2B or B2C e-commerce, technology infrastructure for electronic payment mechanisms, information privacy, and competitive advantage. It investigates the business concepts, skills and tools that surround the emergence of electronic commerce and the consequences of applying information technologies to different commercial processes from both operational and strategic perspectives.

**PROFESSIONAL EXPERIENCE** (6 credits)

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**BSIM1003. Professional experience** (6 credits)

Students will apply what they learn from their academic studies into real-life situations by working on information management related projects through a summer internship experience in an organization. The course provides opportunities for the application of information management theories to practical situations.

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**PROJECT**

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**BSIM4999. Project** (6 credits)

Candidates will learn basic research methods and skills, including writing a literature review and preparing a research proposal in the first term of this one year course. Students in groups will then complete a substantial final year project in the second term.

**CEDU1005. Practical Chinese Language Course for BSc(IM) Students (3 credits)**Syllabus

1. Practical Chinese writing skills 實用中文寫作技巧
  - a. The Chinese language: characteristics and usage 漢語特性和語文運用
  - b. Basic grammar of modern Chinese 現代漢語基礎語法
2. Chinese characters 漢字
  - a. Traditional characters 傳統漢字
  - b. Simplified characters 簡化字
3. Techniques of target-oriented writings for Information Management profession 目標為本寫作策略
  - a. Business letter and notice 事務書信、通告
  - b. Newsletter 通訊
  - c. Book reviews 書評
4. Chinese for special purposes 專業中文
  - a. An introduction to traditional Chinese bibliographical system 中國古籍知識介紹：目錄學、書目提要、工具書
  - b. Writing for web publishing: style and techniques 中文互聯網網路寫作的表達規範
  - c. Form and style for Chinese academic writing 中文期刊論文寫作的表達規範
5. Presentation and communication techniques 演示與溝通技巧

Assessment: Coursework: 50%, Examination: 50%