

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

*These regulations apply to students admitted to the Bachelor of Science in Information Management (BSc[IM]) in the academic year 2018-19 and thereafter.*

*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) comply with the Regulations for First Degree Curricula;
  - (c) hold (i) an Associate Degree or a Higher Diploma; or (ii) other qualifications of equivalent standard accepted for this purpose; and
  - (d) satisfy all the requirements of the curriculum in accordance with these regulations and the syllabuses.
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### **Ed347 Length of curriculum**

The curriculum for the degree of Bachelor of Science in Information Management shall normally require four semesters of full-time study and a summer semester, extending over not fewer than two academic years, and shall include any assessment to be held during and/or at the end of each semester. Candidates shall not in any case be permitted to extend their studies beyond the maximum period of registration of three academic years, unless otherwise permitted or required by the Board of the Faculty.

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### **Ed348 Selection of courses**

- (a) Candidates shall select their courses in accordance with these regulations and the guidelines specified in the syllabuses before the beginning of each semester. Changes to the selection of courses may be made only during the add/drop period of the semester in which the course begins, and such changes shall not be recorded on the transcript of the candidate. Requests for changes after the designated add/drop period of the semester shall not normally be considered.
  - (b) Withdrawal from courses beyond the designated add/drop period will not be permitted, except for medical reasons approved by the Board of the Faculty.
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### **Ed349 Curriculum requirements**

- (a) To complete the curriculum, candidates shall follow instruction in the syllabuses prescribed and
  - (i) satisfy the requirements prescribed in UG5 of the Regulations for First Degree Curricula<sup>1</sup>;and

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<sup>1</sup> Under Ed350(b), candidates will be granted advanced standing of 120 credits, including 24 credits of courses in the Common Core Curriculum, 6 credits in Core University English and 6 credits in Chinese language enhancement courses to fulfill part of the UG5 requirements for graduation.

- (ii) complete successfully not fewer than 120 credits, in the manner specified in these regulations and syllabuses, comprising:
- 72 credits in the Major in Information Management (including the final year project (6-credit) as a Capstone Requirement),
  - 6 credits in English in the Discipline course
  - 12 credits of courses in the Common Core Curriculum, including not more than one course from the same Area of Inquiry, and
  - 30 credits in elective courses.
- (b) Candidates shall normally be required to take not fewer than 24 credits nor more than 30 credits in any one semester (except the summer semester) unless otherwise permitted or required by the Board of the Faculty, or except in the last semester of study when the number of outstanding credits required to complete the curriculum requirements may be fewer than 24 credits.
- (c) Candidates may, of their own volition, take additional credits not exceeding 6 credits in each semester, and/or further credits during the summer semester, accumulating up to a maximum of 72 credits in one academic year. With the special permission of the Board of the Faculty, candidates may exceed the annual study load of 72 credits in a given academic year provided that the total number of credits taken does not exceed the maximum curriculum study load of 144 credits for the normative period of study specified in the curriculum regulations, save as provided for under Ed349(d).
- (d) Where candidates are required to make up for failed credits, the Board of the Faculty may give permission for candidates to exceed the annual study load of 72 credits provided that the total number of credits taken does not exceed the maximum curriculum study load of 216 credits for the maximum period of registration specified in the curriculum regulations.
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#### **Ed350    Advanced standing and credit transfer**

- (a) Advanced standing may be granted to candidates in recognition of studies completed successfully in an approved institution of higher education elsewhere in accordance with UG2 of the Regulations for First Degree Curricula. Credits granted for advanced standing shall not be included in the calculation of the GPA but will be recorded on the transcript of the candidate.
- (b) In recognition of candidates' fulfillment of requirement stipulated in Ed346(c), they will be granted advanced standing of 120 credits, including 24 credits of courses in the Common Core Curriculum, 6 credits in Core University English and 6 credits in Chinese language enhancement courses.
- (c) Candidates may, with the approval of the Board of the Faculty, transfer credits for courses completed at other institutions at any time during their candidature. The number of transferred credits will be recorded on the transcript of the candidate, but the results of courses completed at other institutions shall not be included in the calculation of the GPA. The number of credits to be transferred shall not exceed half of the total credits normally required under the degree curricula of the candidates during their candidature at the University.
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#### **Ed351    Assessment and grades**

- (a) Candidates shall be assessed for each of the courses for which they have registered, and assessment may be conducted in any combination of coursework, written examinations and/or any other assessable activities. Only passed courses will earn credits. Grades shall be awarded in accordance with UG8 of the Regulations for First Degree Curricula.
- (b) 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 as a second attempt or retakes the failed course. All 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 shall be recommended for discontinuation of studies.

- (c) Candidates shall not be permitted to repeat a course for which they have received a D grade or above for the purpose of upgrading.
  - (d) There shall be no appeal against the results of examinations and all other forms of assessment.
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#### **Ed352 Absence from examination**

Candidates who are unable, because of illness or other acceptable reason, to be present at the written examinations of any course may apply for permission to present themselves at a supplementary examination of the same course to be held before the beginning of the First Semester of the following academic year. Any such application shall be made within two weeks of the first day of the candidate's absence from any examination. Any supplementary examination shall be part of that academic year's examinations, and the provisions made in these regulations for failure at the first attempt shall apply accordingly.

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#### **Ed353 Retaking / Re-examination of failed course(s)**

- (a) Candidates who have failed to satisfy the examiners in course(s), but have
    - completed successfully 36 or more credits in two consecutive semesters (not including the summer semester), except where candidates are not required to take such a number of credits in the two given semesters; and
    - achieved an average semester GPA of 1.0 or higher for two consecutive semesters (not including the summer semester),shall be required, as specified by the relevant Board of Examiners:
    - (i) to undergo re-assessment(s)/re-examination(s) in the failed course(s) to be held no later than the end of the following semester (not including the summer semester); or
    - (ii) to re-submit failed coursework, without having to repeat the same course of instruction; or
    - (iii) to repeat the failed course(s) by undergoing instruction and satisfying the assessments; or
    - (iv) for elective course(s), to take another course *in lieu* and to satisfy the assessment requirements.
  - (b) Candidates shall not be permitted to retake a failed course or present themselves for re-examination as a second attempt if they have otherwise satisfied all the requirements stipulated in these regulations for the award of the BSc(IM) degree.
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#### **Ed354 Failure in re-examination**

- (a) Candidates who have failed to satisfy the examiners at re-assessment(s)/re-examination(s), granted under Regulation Ed353, of course(s) in the Information Management Major shall:
    - (i) if these courses total *not more* than 12 credits, normally be permitted to progress to the following year of study and to present themselves for re-examination, in any prescribed form of examination; or
    - (ii) if these courses total *more* than 12 credits, be recommended for discontinuation of their studies as stipulated under Regulation Ed355(d).
  - (b) Candidates who have failed to satisfy the examiners at a supplementary examination, granted under Regulation Ed352, shall be permitted to present themselves for re-assessment in accordance with Regulation Ed353, as directed by the Board of Examiners.
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#### **Ed355 Discontinuation**

Unless otherwise permitted by the Board of the Faculty, candidates shall be recommended for discontinuation of their studies if they have

- (a) failed to complete successfully 36 or more credits in two consecutive semesters (not including the summer semester), except where candidates are not required to take such a number of credits in the two given semesters; or
  - (b) failed to achieve an average semester GPA of 1.0 or higher for two consecutive semesters (not including the summer semester); or
  - (c) failed in the Capstone Requirement; or
  - (d) failed to satisfy the examiners at re-assessment(s)/re-examination(s) of course(s) in the Information Management Major, granted under Regulation Ed353, of more than 12 credits; or
  - (e) exceeded the maximum period of registration specified in Regulation Ed347.
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**Ed356 Award of degree and honours classifications**

- (a) To be eligible for the award of the degree of Bachelor of Science in Information Management, candidates shall have successfully completed the curriculum as stipulated under Regulation Ed349.
- (b) Honours classifications for the degree of Bachelor of Science in Information Management shall be awarded in five divisions: First Class Honours, Second Class Honours Division One, Second Class Honours Division Two, Third Class Honours, and Pass. The classification of honours shall be determined by the Board of Examiners for the degree in accordance with the following Graduation GPA scores (GGPA) stipulated in UG9(a) of Regulations for First Degree Curricula, with all courses taken (including failed courses, but not including courses approved by the Senate graded as 'Pass', 'Fail' or 'Distinction') carrying weightings which are proportionate to their credit values:

<u>Class of honours</u>	<u>GGPA range</u>
First Class Honours	3.60 – 4.30
Second Class Honours	(2.40 – 3.59)
Division One	3.00 – 3.59
Division Two	2.40 – 2.99
Third Class Honours	1.70 – 2.39
Pass	1.00 – 1.69

- (c) Honours classification may not be determined solely on the basis of a candidate's Graduation GPA and the Board of Examiners for the degree may, at its absolute discretion and with justification, award a higher class of honours to a candidate deemed to have demonstrated meritorious academic achievement but whose Graduation GPA falls below the range stipulated above of the higher classification by not more than 0.1 Grade Point.
- (d) A list of candidates who have successfully completed the degree requirements shall be posted on Faculty notice boards.

## **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:

- 72 credits in the Major in Information Management (including a 6-credit Capstone Requirement);
  - 6 credits in English in the Discipline course;
  - 12 credits of courses in the Common Core Curriculum, including not more than one course from the same Area of Inquiry,;
  - 30 credits in elective courses.
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### **FIRST YEAR OF THE CURRICULUM**

Candidates shall normally take 60 credits, comprising:

- 42 credits in the Major in Information Management;
  - 12 credits of courses in the Common Core Curriculum, including not more than one course from the same Area of Inquiry;
  - a 6-credit English in the Discipline course;
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### **SECOND YEAR OF THE CURRICULUM**

Candidates shall normally take 60 credits, comprising:

- 30 credits in the Major in Information Management;
  - 30 credits in elective courses.
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### **MAJOR IN INFORMATION MANAGEMENT (72 credits)**

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#### **Core Courses**

Candidates are required to complete 48 credits Core Courses as follows:

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#### **BSIM3001. Information management foundations (6 credits)**

This course introduces the literature of librarianship and information management and provides an overview of the properties of information and knowledge, the information landscape and the historical, current, and potential roles of libraries and information agencies. Information process models will be analysed to surface key issues in the transfer of information, and demonstrate the relationship between information processes such as collection, organisation, access, and delivery of information. Approaches to needs analysis will be explored.

Assessment: 100% coursework.

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**BSIM3003. 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.

Assessment: 100% coursework.

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**BSIM3004. Information retrieval (6 credits)**

This course introduces and explores information retrieval principles, techniques and strategies applied to electronic information sources, methods for evaluating databases, and information literacy frameworks. Information literacy issues including the nature of information, the nature of the autonomous learner and user needs, information seeking behavior, mediated searching, and evaluation of retrieved information are discussed. At the completion of this course, participants will have an enhanced understanding of information literacy, and improved information seeking ability, and understanding of mediated search provision.

Assessment: 100% coursework.

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**BSIM3017. 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, data modeling, principles of database design, data definition and manipulation languages. Support for procedural database objects in Structured Query Language (SQL) is also introduced.

Assessment: 70% coursework and 30% examination.

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**BSIM3023. Information organisation and content management (6 credits)**

This course examines the theories and approaches for information organisation and content management in libraries and other environments. Basic concepts and theories of metadata together with a number of metadata schemas and standards for representing, retrieving and organising information and content in various applications are introduced. The emphasis is on the design and implementation of metadata applications for information organisation and content management in digital and web-based environments.

Assessment: 100% coursework.

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**BSIM4011. Project management (6 credits)**

This course introduces the project life cycle and the techniques and change management aspects of managing, planning, and implementing successful projects in organizations. Conceptual foundations are the focus so students can use project management software effectively. General management and communication skills are explored in the context of project manager communication with project teams, clients, and other stakeholders.

Assessment: 100% coursework.

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**BSIM4020. Information society issues and policy (6 credits)**

The course examines the link between information society issues and the need for information policies that address these issues. Issues including intellectual property rights and copyright, privacy and freedom of access to information, information and culture, technology and culture, and societal needs and demands for information are explored. Information policies and the policy development process are addressed at macro and micro levels. At the completion of this course, participants will be able to identify the need for information policies, critique existing information policies, and develop information policies at the organizational level.

Assessment: 100% coursework.

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### **BSIM4999. Project (6 credits) (A capstone requirement)**

Students will learn basic research methods and skills in doing a project for information management. Topics including key elements of a research project, steps of the research process, and quantitative and qualitative research methods are introduced in lectures. Students then complete a substantial final year project under supervision.

Assessment: 100% coursework.

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## **Elective Courses**

Candidates are required to complete 24 credits of Elective Courses for the major requirement. Not all elective courses will necessarily be offered every year.

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### **BSIM3006. Knowledge management (6 credits)**

This course provides an introduction to knowledge exchange 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.

Assessment: 100% coursework.

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### **BSIM3010. Digital libraries: principles and applications (6 credits)**

This course introduces the motivation for digital library development and evolution of digital library collection and services. Various issues of digital library development like document types and format, access strategies and interfaces; metadata and interoperability, economic and social policies, collection management and system evaluation are examined.

Assessment: 100% coursework.

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### **BSIM3014. User-based systems analysis (6 credits)**

This course introduces students to the evaluation and design of information systems (IS). IS development processes, development technologies and issues affecting IS development will be examined and discussed including usability and human factors. Emphasis will be given to selected IS phases including requirements analysis and system modeling. Selected features of modeling tools like the Unified Modeling Language (UML) will be introduced.

Assessment: 100% coursework.

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**BSIM3021. Web development, users and management (6 credits)**

This course covers basic principles of web design and development from technical, user and management perspectives. It aims to develop an understanding of web-related technologies and user behaviour in such environments and of best practice in the creation, organisation and maintenance of such websites through studying and practising relevant theories.

Assessment: 100% coursework.

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**BSIM4012. Records management (6 credits)**

This course introduces the basic concepts, approaches, and standards for records management. The emphasis is on activities and methods relevant to storage, filing, retrieval, retention, preservation, and disposition of physical and electronic records, with legal and ethical considerations. Techniques and strategies to establish organization-wide records management programs for information and knowledge repository are also examined.

Assessment: 100% coursework.

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**BSIM4018. 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.

Assessment: 100% coursework.

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**BSIM4019. Electronic commerce (6 credits)**

This course examines organizational and technological issues related to E-Commerce. Topics including business models for B2B or B2C E-commerce, E-commerce strategies for business, technology infrastructure for E-commerce system development, information privacy and security, and emerging topics such as Mobile Commerce and Web 2.0 Commerce are discussed.

Assessment: 100% coursework.

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**BSIM4022. Management information systems (6 credits)**

This course covers both managerial and technical aspects of business information systems. Topics including information technologies in business, types of management information systems, information systems development process, social and managerial issues of information systems and emerging topics such as information systems outsourcing are discussed. It also equips students with the fundamental skills to use decision support tool(s) in today's business world.

Assessment: 100% coursework.

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### **BSIM4024. Fundamentals of object-oriented programming (6 credits)**

This course aims to equip students with basic concepts of object-oriented programming and practical knowledge for designing and implementing simple software applications through an object-oriented programming language such as Java. In addition to basic programming constructs such as control statements, basic data structures and algorithms such as lists and arrays, searching and sorting algorithms are also introduced.

Assessment: 100% coursework

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### **BSIM3025. Multimedia and human-computer interaction**

The course provides a general introduction to the theory and practice of multimedia information systems. We will explore how to design and develop multimedia information systems that account for the principles of human information processing, sensation, perception, cognition interaction and learning. This course focuses on developing systems in an online environment, but the principles should apply to every information system that interacts with people. You will gain theoretical background and practical experience to design, innovate and critique digital multimedia information systems.

Assessment: 100% coursework

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### **BSIM4026. Introduction to statistics and quantitative data analysis**

The course aims at providing knowledge for the basic concepts of probability and statistics, as well as at providing students experiences in applying analysis methods for problems. This course will familiarize students with basic statistical theory and prepare them for effective academic and professional practice in analyzing quantitative data. Topics include probability, estimation, descriptive statistics, normal distribution, graphing and summarizing data, hypothesis testing and regression.

Assessment: 100% coursework

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### **ENGLISH IN THE DISCIPLINE COURSE (6 credits)**

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#### **CAES9420. Academic English for information management and social data science students (6 credits)**

This one-semester, 6-credit English course will provide the opportunity for Information Management students and Social Data Science students to develop their report writing and oral presentation skills for disciplinary studies and academic purposes. Students are required to identify an issue relevant to their discipline and undertake a small scale research project to investigate the problem issue and communicate an argument to an academic audience in writing with appropriate organizational and rhetorical skills. During the process, students need to gather data by means of an interview, perform analysis on the information they obtain, and present their findings orally and in formal report writing. The course will help students improve their ability to introduce, describe, characterise and explain phenomena, as found in literature search, and in interviews with informants' answers to interview questions. It also aims to enable students to build on the descriptive and interrogative language skills practiced in reporting the project findings. The course will allow students to practice relevant English language skills in their Final Year Project/ Capstone Experience courses.

Assessment: 100% continuous assessment.

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**COMMON CORE CURRICULUM (12 credits)**

Candidates are required to complete 12 credits of courses in the Common Core Curriculum, including not more than one course from the same Area of Inquiry.

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**ELECTIVE COURSE (30 credits)**

Candidates are required to complete 30 credits in elective courses.

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