and/or practice. After completing this course, students will understand some current topics in and methodologies of business analytics.

COMP 7770   Special Topics in IT Management   (3,3,0)
Prerequisite: The pre-requisite depends on the specific topics covered. The pre-requisite and the chosen topics will be announced before the semester starts.
Students will learn state-of-the-art topics in IT management. Emphasis will be placed on the current issues, methodologies and/or practice. After completing this course, students will understand some current topics in and methodologies of IT management.

COMP 7780   Special Topics in Knowledge and   (3,3,0)
                         Information Management
Prerequisite: The pre-requisite depends on the specific topics covered. The pre-requisite and the chosen topics will be announced before the semester starts.
Students will learn state-of-the-art topics in knowledge and information management. Emphasis will be placed on the current issues, methodologies and/or practice. After completing this course, students will understand some current topics in and methodologies of knowledge and information management.

COMP 7790   Special Topics in Internet and Web   (3,3,0)
                         Technologies
Prerequisite: The pre-requisite depends on the specific topics covered. The pre-requisite and the chosen topics will be announced before the semester starts.
Students will learn state-of-the-art topics in Internet and Web technologies. Emphasis will be placed on the current issues, methodologies and/or practice. After completing this course, students will understand some current topics in and methodologies of Internet and Web systems.

COMP 7800   Analytic Models in Information   (3,2,1)
                         Technology Management
This course aims to introduce different analytic models used in the management of information technology. These include practical applications of quantitative analysis techniques in business decision making, process modeling, planning and evaluation. The course focuses on the ability to recognize the appropriate models applicable to diverse information technology management situation, and to identify solutions to them. Emphasis will be placed on problem formulation and solution application rather than mathematical derivations.

COMP 7810   Business Intelligence   (3,2,1)
Students will learn the methodologies and concepts of business intelligence, including the characteristics, architectures, and development of data warehouses and data marts. After completing the course, the students will understand the features and applications of Online Analytic Processing (OLAP), and identify the different types of OLAP. Emphasis will be placed on the understanding of enabling technologies and their applications to improve business operations and decision making.

COMP 7820   Decision Analysis and Support   (3,2,1)
To provide a study of business decision making processes and the types of information systems that provide support to such processes, including the characteristics and architectures of such systems. Students will learn the challenges and techniques of managerial decision making in an environment of imperfect and changing information. Both the qualitative and the quantitative aspects of decision making will be covered.

COMP 7830   Health Informatics   (3,3,0)
In this course, students will learn the following: (1) structures, operations and workflow in healthcare organizations, (2) data and data standards in the healthcare industry, (3) information technology in healthcare, and (4) health information systems.

COMP 7840   Management of Medical Visual Data   (3,2,1)
In this course, students will learn (1) some fundamental image processing techniques, (2) the characteristics of different types of medical images, (3) the structure and components of visual information management systems, and (4) the architecture and application of picture archiving and communication systems.

COMP 7850   Information Security Management   (3,2,1)
This course studies the principles of information security management. The course content is compatible with current industrial standard in information security (e.g. CISSP certification). The students will also learn the current topics and issues in information security management. On completion of the course, students should be able to (1) understand the principles of information security management, (2) acquire the knowledge equivalent to current industrial standard in information security (e.g. CISSP certification), and (3) identify practical information security principles and guidelines with the consideration of legal and privacy issues.

COMP 7870   IT Innovation Management and   (3,3,0)
                         Entrepreneurship
The development of information technology and innovations plays an increasingly important role in enhancing the competitiveness of countries, organizations, and individuals. Using a combination of lectures, case studies and discussions, term project, and guest lectures, this course prepares students for the technology and information economy by providing the knowledge and skills necessary for innovation management and entrepreneurship. With particular emphasis on information technology-related activities, this course aims to (1) introduce students to the fundamental concepts, practices, opportunities, and challenges related to innovation management and entrepreneurship, (2) provide students with frameworks and tools for the successful management of innovation from idea generation to market exploitation, and (3) stimulate students' interest in entrepreneurship and thus cultivating an entrepreneurial spirit.

COMP 7880   E-Business Strategies   (3,3,0)
E-business offers real and abundant opportunities for small, medium and large companies throughout the world. However, success in e-business rarely happens without strategy. This course exposes students to contemporary management thinking, methods, and strategies necessary to effectively build and manage e-business systems. Using a combination of lectures, case studies and discussions, in-class assignments, and term project, this course aims to; (1) introduce students to the fundamental concepts and approaches of strategic management, (2) provide students with a comprehensive framework for understanding the business models and strategies for e-business, and (3) prepare students to be active participants in formulating and implementing e-business strategies for organizations.

COMP 7890   Dynamic Web Programming   (3,2,1)
Prerequisite: Basic knowledge on database and computer programming
This course aims to cover key concepts, technologies and skills on server-side and client-side Web programming, including HTML, CSS, JavaScript, basic server-side script language, database connectivity via Web, session management, as well as more advanced topics like AJAX, JavaScript API, Web services, and Web APIs.

COMP 7900   Project and Research Skills in IT   (3,*,*)
                         Management
The course provides students with basic knowledge of and develops their skills in conducting projects and research in the field of IT management. It also develops students' skills in critical reading, thinking, and writing.

COMP 7910   MSc Research   (3,*,*)
Prerequisite: COMP 7730 MSc Project (with grade B+ or above)
Each student is required to work on an academic research project independently under the supervision of an academic staff. After