

management system. Topics include conceptual modelling of a database, relational data model, relational algebra, database language SQL and relation database design. In addition, hands-on DBMS experience is included. Students who have received credits for I.T. 1530 are not allowed to take COMP 1160, or vice versa.

I.T. 1540 Programming Fundamentals and Problem Solving (3,2,1)

Prerequisite: I.T. 1120 Business Information Systems or I.T. 1180 Information Management Technology

This course introduces the methodology of problem formulation and specification, program design, and implementation skills including debugging and testing. The course is taught through a high-level structured programming language. This course is not available to Computing Studies, Computer Science and Physics major with Computer Science concentration.

I.T. 1570 IT and the Business World (3,2,1)

Prerequisite: I.T. 1120 Business Information Systems or I.T. 1180 Information Management Technology

This elective course aims to provide students with an understanding of the relationship between information technology (IT) and business. In particular, the relationship between IT and business successes will be investigated. On completion of this course, students will be able to determine the appropriate IT for the successes of different types of business.

I.T. 1580 You and the Internet (3,2,1)

Prerequisite: I.T. 1120 Business Information Systems or I.T. 1180 Information Management Technology

This course introduces how the Internet enhances our daily life, increases work efficiency and creates business opportunities to non-IT major students. Students will also learn how to protect their personal privacy, personal computers, and home networks in the Internet, and learn the fundamental principles of mobile and wireless networks.

I.T. 1590 Searching and Managing Information (3,2,1) (E)

Prerequisite: I.T. 1120 Business Information Systems or I.T. 1180 Information Management Technology

This course provides a comprehensive examination of different popular search systems such as Google and YouTube. Students will be introduced to the powerful features in these systems, as well as the technology underpinning them. Students will learn how large information repositories are efficiently organized, managed and searched. They will also learn the principles of search engines, information retrieval, and how to use simple database management systems such as Access.

I.T. 2460 Managing Information Systems in the Digital World (3,3,0)

Prerequisite: I.T. 1120 Business Information Systems or I.T. 1180 Information Management Technology

The course deals with the management of information systems and technology as it is being practised in organizations today to create value for businesses and consumers.

I.T. 2510 Music, Photo and Movie Processing (3,2,2) (E)

Prerequisite: I.T. 1120 Business Information Systems or I.T. 1180 Information Management Technology

After completion of this course, students will have a good understanding on the basic concepts of music, photo and movie processing. Students will also be able to use software tools to process music, photo and movie data such as music file compression/conversion, photo enhancement and movie editing. This course is open to non-Visual Arts and non-CS Majors only.

I.T. 2530 Internet and E-Commerce (3,2,1)

Prerequisite: I.T. 1120 Business Information Systems or I.T. 1180 Information Management Technology

Students will learn the basic concepts of Internet and e-commerce

technologies, and gain hands-on experience in setting up systems for Internet and e-commerce applications.

I.T. 2550 Fundamentals of Multimedia (3,2,2)

Prerequisite: I.T. 1180 Information Management Technology

On completion of this course, students will have a good understanding on the basic concepts of the fundamental elements in multimedia. Students will also be able to use software tools to process image, video and audio data such as image enhancement, video editing and audio file compression/conversion, and develop multimedia projects.

I.T. 2560 Building Interactive and Attractive Web Graphics (3,2,2)

Prerequisite: I.T. 1120 Business Information Systems or I.T. 1180 Information Management Technology

This course aims at introducing the theories and techniques for developing interactive and attractive graphics on the Web. On completion of the course, students will understand concepts behind Web interactive graphics. They will also be capable of developing such interactive graphics for effective communication and entertainment.

I.T. 2710 Enterprise Application Systems (3,3,0)

Prerequisite: I.T. 1120 Business Information Systems or I.T. 1180 Information Management Technology

This course introduces how information technology is used in many aspects of a business, with particular emphasis on concepts and practices for modelling, specifying and integrating within-enterprise and B2B business processes for customer relationship management, enterprise resource planning, and supply chain management.

ITAL 1005 Italian I (3,3,0) (E/I)

This course aims to teach complete beginners basic Italian in listening, speaking, reading and writing. Students will also be introduced to the culture of Italy. Vocabulary and grammar will be presented in a communicative way for a variety of situations such as greeting people, making introductions, and talking about one's family, free time, hobbies and daily routines.

ITAL 1006 Italian II (3,3,0) (E/I)

Prerequisite: ITAL 1005 Italian I or equivalent

This course aims to build further on the beginner's level work and widen the scope of exposure to more complex aspects of the Italian language and its culture. Participants are expected to consolidate and continue to develop their proficiency in the Italian language and to further develop their production and receptive skills in more complex daily situations.

ITAL 1010 Italian I (3,3,0) (E/I)

This course aims to teach complete beginners basic Italian in listening, speaking, reading and writing. Students will also be introduced to the culture of Italy. Vocabulary and grammar will be presented in a communicative way for a variety of situations such as greeting people, making introductions, and talking about one's family, free time, hobbies and daily routines.

ITAL 1020 Italian II (3,3,0) (E/I)

Prerequisite: ITAL 1010 Italian I or equivalent

This course aims to build further on the beginner's level work and widen the scope of exposure to more complex aspects of the Italian language and its culture. Participants are expected to consolidate and continue to develop their proficiency in the Italian language and to further develop their production and receptive skills in more complex daily situations.

ITAL 2005 Italian III (3,3,0)

Prerequisite: ITAL 1006 Italian II or equivalent

This course aims to build further on the lower-intermediate level work and widen the scope of students' exposure to more complex aspects of Italian language and culture. Students are expected to