Graduate Certificate in Information Technology (Multimedia) (IT98)

Year offered: 2010
Admissions: No
Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)
Domestic fees (indicative): 2010: Full fee tuition $7,250 (indicative) per semester
Domestic Entry: February and July
Assumed knowledge: See Entry Requirements
Preparatory studies: For information on acquiring assumed knowledge visit http://www.studentservices.qut.edu.au/apply/ug/info/knowledge.jsp
Total credit points: 48
Course coordinator: Dr Ernest Foo
Campus: Gardens Point

IT98 - Graduate Certificate in IT (Multimedia)

Four (4) units to be selected from the following
INN271 The Web
INN272 Interaction Design
INN385 Multimedia Systems
INN386 Advanced Multimedia Systems

UNIT SYNOPSIS

INN271 THE WEB
The aims of the unit are to give you a thorough understanding of what the web is, how it works and what it has to offer. Additionally, the unit aims to give you a general understanding and basic skills in developing dynamic web applications, including an appreciation of the variety of implementation technologies available. Through an understanding of how web technologies have evolved to date, you will appreciate the necessity for lifelong learning and become an insightful predictor of future developments in this area. You will learn to critically analyse technological alternatives in order to adapt to and innovate with technologies that presently do not exist. You will appreciate the business or organizational context within which web applications exist and be skilled in communicating within that environment. You will appreciate the social and ethical issues relating to web based systems including accessibility, globalization, privacy, and piracy.

Assumed knowledge: INB271
Equivalents: ITB007, ITB227, ITN007, ITN277
Credit points: 12

INN272 INTERACTION DESIGN
The aim of this unit is to provide you with an understanding of the theory, practices and challenges associated with the development of creative interactive design and human computer interaction.

Assumed knowledge: INB272
Equivalents: ITN254
Credit points: 12

INN385 MULTIMEDIA SYSTEMS
This unit will explore the concepts underpinning multimedia systems and the role played by these technologies in the overall knowledge of a computer professional. You will learn to: design and develop different kinds of interactive multimedia applications; understand the bank of knowledge in cultural developments surrounding the emergence of multimedia technologies; analyse design and processes that contribute to the production of a creative work, using contemporary hardware and software technologies; develop the creative potential of temporal media forms and their placement and use within new media works; understand principles and conventions associated with the interpretation and production of meaning through interactive visual representation.

Assumed knowledge: INB385
Equivalents: INN272
Credit points: 12

INN386 ADVANCED MULTIMEDIA SYSTEMS
This advanced level unit will give you high level design and development skills in some of the current and emerging areas of the new media. Web delivered applications, stand-alone systems and installations will be included. It will endeavour to give you an in-depth understanding of interactive Multimedia Systems. You will be given the theoretical basis and practical skills to motivate you in the design and creation of a state-of-the-art system in this discipline. In the process it will encourage a professional team approach appropriate to the industry environment.

Assumed knowledge: INN385
Equivalents: INB386 and ITB259
Credit points: 12