

## Examples of Previous Topics of Dissertations and Independent Projects

### Dissertations

*Topic: Understanding the obstacles of using a tablet as a learning tool in primary schools from teachers' perceptions*

**By LI Xiaolei, Teacher**

"It gave me a better understanding of information technology in education, especially in tablet computers as learning tools."

*Topic: An investigation into students' critical thinking skills in an online environment*

**By Ron TSOI, Research Assistant of a university educational information technology centre in HK**

"The MSc(ITE) programme equipped me with the updated knowledge of Information and Communication Technology (ICT) in education. The lecturers are superb and well-recognised in the field. The content of the courses are up-to-date and practical. This programme is beneficial to me and also paves a way to my further study."

### Independent Projects

*Topic: Effectiveness of using Virtual Learning Environment (VLE) to train IT helpdesk staff in school*

**By Jackie SIU, IT Manager of a professional and continuing education institution in HK**

"Not only acquired a deeper knowledge in virtual learning but also gave me a new insight on how to deliver course content over different e-learning platforms effectively. The independent project brings new ideas to me when designing and implementing e-learning projects in my college."

*Topic: Exploring the use of flipped classroom & MOOC in teaching and learning*

**By Ken KAN, Art & Filming Director/Chief Photographer of a photographic studio in HK; Part-time Tutor of a vocational education and training institution in HK**

"I was encouraged that the engaging and flexible nature of digital video lecture making projects offers broader potential to ground the use of ICT and multimedia technologies in discipline-specific content and processing. And then through the different stages of the processing for video lectures production, I got many useful perceptions for the interactive and self-access learning in flipped classroom with Massive Open Online Courses (MOOC)."



## Students' Perspectives

**Iris TSE, Lecturer in a professional and continuing education institution in HK**

"Knowledge acquired from the MSc(ITE) programme is of utmost importance to my career as a lecturer. Facilitated by highly-qualified and experienced teaching staff, I have been greatly inspired to successfully incorporate Information and Communication Technology (ICT) in my teaching. I also gained a lot of practical experience which can be applied to my teaching. Specific aspects such as the design of ICT-lead teaching and learning activities as well as the creation of multimedia teaching materials had been covered in the curriculum. Skills I learnt are in turn beneficial to my students as greater engagement has been reflected from the active responses they gave. Moreover, I was given a valuable opportunity to strengthen my research ability when being a member of the Research team in the Centre for Information and Technology in Education (CITE) such that my research ability is further enhanced."

**Steve YONG, Assistant Operations Director of a HK based university press**

"As a student of the MSc(ITE) programme, I met different people in related markets, who enjoy sharing views in e-learning. I explored governments' e-learning policies and developments in local and foreign countries. Furthermore I got hands on experience of some e-learning tools which are quite practical to my work. It's my pleasure to study in the MSc(ITE) programme in the past two years and I'm glad to become a graduate."

**Iris WU, Visual Arts Panel Head of a secondary school in HK**

"Studying a Master's degree programme majoring in Information Technology in Education at the University of Hong Kong has been a rewarding experience which has ignited my interest in pursuing advanced studies. The MSc(ITE) programme is a high-standard programme for ardent learners. Apart from a systematic, well-organised curriculum, it was taught by a group of renowned scholars in the field. It has not only enriched my knowledge of using Web 2.0 platform, but also equipped me with an innovative perspective, enabling me to think about technological implications of new technologies from various standpoints."

**Patrick LAM, Associate Director of a non-government organisation in HK**

"The programme equipped me with insights and practical skills of e-leadership when I was a school principal at that time. It is an authentic integration of theory and practice for education practitioners. I was able to apply the knowledge of organisational change management for 21<sup>st</sup> Century learning as well as innovative curriculum and pedagogical design in my workplace. The course also inspired me for further pursuit of a Doctor of Education degree."

**Kelvin LEUNG, IT Industry Manager**

"The format of the courses encourages us to interact with and learn from the instructors as well as the fellow classmates, both during and after the classes."

**Gloria CHU, Business sector**

"Joining this programme was a great decision. I've learnt so much that is useful for my work."

**Billy CHU, Secondary School Teacher**

"Excellent, up-to-date course, with innovative and creative teachers"

**TSIM Siu Man, Primary School Teacher**

"What I learnt through the course is all very useful in my job."



# MSc(ITE) 2018 Master of Science in Information Technology in Education



2018 Times Higher Education  
World University Ranking for Education





**Information Technology in Education** is a multi-faceted field of study which combines learning theories, instructional design principles, learning technology, research methods, and pedagogical strategies. This programme aims to train individuals who are interested to work as instructional designers, e-learning specialists, adult educators or information technology coordinators in organisations or school contexts.

### Why MSc(ITE)?

Business organisations (such as multimedia publishers, banks, and corporate training centres), universities, and schools are frequently in need of skilled professionals in applications of information technology in educational and training contexts. This programme offers participants theoretical and practical insights in the application of instructional design principles and information technology tools for learning and instruction.

### What the MSc(ITE) Offers?

- An investigation into learning technology design, e-leadership, e-learning, and other emerging learning and teaching technology applications
- An opportunity to apply technology in learning and teaching
- An investigation into adult learning principles and strategies
- An exploration of the cultural, administrative theoretical and practical implications of technology in education
- An introduction to research in technology for education
- An opportunity for those wishing to develop leadership capabilities in the use of technology in education

### Who Should Apply?

We aim to enhance human learning and performance in various training or educational settings through the use of instructional design principles, and information technology tools.

This programme is therefore particularly suitable for:

- Instructional designers, digital video producers, publishers, software developers, and multimedia designers who are interested in learning pedagogy
- Professionals involved in staff development and corporate training
- School teachers and other education professionals with strong interest in using information technology for learning and instruction
- School administrators and technology coordinators
- Any other professional with an interest in expanding their education background, practice and knowledge of technology applications for learning and instruction

### What is the Mode of Study?

- For full-time study, the degree can be completed in one year
- For part-time study, it can be completed in two years and no more than four consecutive years
- Conducted in a face-to-face mode supplemented by online learning (e-learning)
- Flexible modular structure allows student to study at their own pace
- Three terms per year
- Classes are usually held in weekday evenings or on Saturday mornings and afternoons but there are day-time classes on weekdays for full-time students

### Programme Structure (2 Pathways)

#### Dissertation

3 core modules	3 specialist modules	1 elective module	Dissertation (Equivalent to 3 modules)
----------------	----------------------	-------------------	--

#### Independent Project

3 core modules	3 specialist modules	3 elective modules	Independent project
----------------	----------------------	--------------------	---------------------

Students will study a total of 10 modules including either an independent project or a dissertation which leads to a specialist strand in a specific area of study. The dissertation option provides students with an independent study module to complete projects highly relevant and applicable to their learning and work environments.

### Modules: 3 Specialist Strands

#### Core

- Information technology and educational leadership
- Teaching and learning with information technology
- Methods of research and enquiry

#### Dissertation/Project

#### E-leadership

- Digital culture and educational practice
- Innovative practices in education through information technology adoption
- Organisational learning
- Technology in education in China within a global context
- Engaging adult learners
- Project management
- Information system analysis and development
- Information technology and intellectual property law in education

#### E-learning

- E-learning strategies and management
- Learning design and technology
- Mobile and ubiquitous technology in education
- Digital game-based learning
- Engaging adult learners
- Data science and learning analytics
- Information system analysis and development
- Information technology and intellectual property law in education

#### Learning Technology Design

- Multimedia in education
- Learning design and technology
- Digital resources for learning
- Mobile and ubiquitous technology in education
- Digital video & storytelling in education
- Digital literacies
- Engaging adult learners
- Data science and learning analytics
- Information system analysis and development
- Information technology and intellectual property law in education

Some modules of this programme have been included in the list of reimbursable courses for CEF purposes. Application for CEF has to be made before the commencement date of the reimbursable modules. Details can be found at <http://www.wfsfaa.gov.hk/cef>.

### What are the Admissions Requirements?

To be eligible for admission to the programme, a candidate shall satisfy both the University Admission Requirements and the Programme Specific Requirements as listed below:

1. shall comply with the General Regulations ([http://www.handbook.hku.hk/tpg/2017/appendices/Appendix\\_A.html](http://www.handbook.hku.hk/tpg/2017/appendices/Appendix_A.html)) and the Regulations for Taught Postgraduate Curricula ([http://www.handbook.hku.hk/tpg/2017/appendices/Appendix\\_B.html](http://www.handbook.hku.hk/tpg/2017/appendices/Appendix_B.html));
2. shall hold a Bachelor's degree of this University or a qualification of equivalent standard from this University or another comparable institution accepted for this purpose;
3. for a candidate who is seeking admission on the basis of a qualification from a university or comparable institution outside Hong Kong of which the language of teaching and/or examination is not English, shall satisfy the University English language requirement applicable to higher degrees as prescribed under General Regulation G2(b).
  - a. score of 550 or above (paper-based test) or 80 or above (internet-based test) in the Test of English as a Foreign Language (TOEFL)<sup>#</sup>; or
  - b. minimum overall band of 6 with no sub-test lower than 5.5 in the International English Language Testing System (IELTS)<sup>#</sup>; or
  - c. grade C or above in the Overseas General Certificate of Education, the International General Certificate of Secondary Education, or the Cambridge Test of Proficiency in English Language.
4. shall satisfy the examiners in a qualifying examination, if required.

<sup>#</sup> For admission, only TOEFL or IELTS scores recorded in the two years before the date of application will be considered.

### How to Apply?

▶ Online application at: <http://www.aal.hku.hk/tpg>



#### Application Deadline

**12:00 noon, January 31, 2018 (Wednesday)**



#### Enquiries

Tel: (+852) 3917 5856  
 Email: [mite@hku.hk](mailto:mite@hku.hk)  
 Website: <http://web.edu.hku.hk/programme/mite>



The information in this brochure is accurate at the time of printing but may be subject to change at any time. The Faculty reserves the right at all times to withdraw or change the courses listed in this brochure.