

# FSKIK

**FAKULTI SENI, KOMPUTERAN DAN INDUSTRI KREATIF**

***FACULTY OF ARTS, COMPUTING AND CREATIVE INDUSTRY***



**BUKU PANDUAN AKADEMIK**  
*Academic Guide Book*

**PROGRAM PENGAJIAN  
SISWAZAH**  
*Post Graduate*  
**SESI 2018/2019**  
*2018/2019 Session*

**UNIVERSITI**  
**No.1**  
**PENDIDIKAN**

**FACULTY OF ART, COMPUTING AND CREATIVE  
INDUSTRY**

**THE GUIDEBOOK OF GRADUATE STUDY PROGRAMS**  
Academic Session 2018/2019

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## DEAN'S FOREWORD

Assalamu'alaikum

All praise is due to Allah SWT for whose blessings enabled the faculty to produce the *Guidebook of Graduate Study Programs 2018/2019*. This guidebook serves as an important document to which graduate students of the Faculty of Art, Computing, and Creative Industry (FACCI) should refer throughout their study in the Sultan Idris Education University (UPSI). This guidebook introduces students the faculty and its departments together with the various academic programs offered. The year 2017 significantly marks the seventh year of the establishment of FACCI that provides a number of unique programs that focus on the elements of art, multimedia, and computer science

In line with the UPSI slogan – "Committed To Making A Difference In Education" – FACCI strives to offer unique graduate programs based on both coursework and research modes. Moreover, with flexible learning and research of various graduate programs and excellent facilities, students will be able to learn in conducive and stimulating environments. In addition to pursuing academic excellence, students will also learn and practice good morals and ethics that help develop and nurture a strong academic culture in the campus.

As outlined in the guidebook, student learning that has been carefully and meticulously planned can help realise the intended program outcomes, the impact of which can help propel our nation of various creeds and ethnicities to greater heights. Finally, I hope this guidebook can be fully used by all graduate students to help guide your study with the ultimate aim of becoming a truly deserving graduates and future experts in the discipline of your interest.

**"NO.1 EDUCATION UNIVERSITY"**

**Assoc. Prof. Dr. Mohd Zahuri b Khairani**

Dean,

Faculty of Art, Computing and Creative Industry.

## BACKGROUND OF UPSI

In the history of national education, Universiti Pendidikan Sultan Idris (UPSI) is an iconic public institution of higher learning. From a humble but significant inception as a small teachers training college, this institution has now become a reputable full-fledged, comprehensive education university in Malaysia, spanning three eras in its development. The first era saw the establishment of Sultan Idris Training College (SITC) on 29 November 1922 – the first of its kind in then Malaya – which operated until 1957. Then, the second era followed with the upgrading of the previous teachers training college into Maktab Perguruan Sultan Idris (MPSI), which operated in 1957 until 1987. Later, Institut Perguruan Sultan Idris (IPSI) came into being on the 21 February 1987 that lasted until April 1997, the year in which UPSI was established.

Clearly, these three eras spanning 75 years highlight the continual process of training of teachers undertaken by this institution – a remarkable feat by any standard. On the 1 May 1997, this institution was conferred with a full public education university status, which was incorporated under the *Perintah Universiti Pendidikan Sultan Idris (Perbadanan) 1997* and *Perintah Universiti Pendidikan Sultan Idris (Kampus) 1997* through the Government Gazette P.U (A) 132 and 133 dated 24 February 1997.

In its early beginning, there were only four faculties, namely the Faculty of Language, the Faculty of Social Science and Art, the Faculty of Science and Technology, and the Faculty of Cognitive Science and Humans Development. Gradually, the number of academic programs grew with each passing year. As such, in 2002, two new faculties were introduced, namely the Faculty of Information Technology and Communication and the Faculty of Business and Economy, thus increasing the number of faculties to six, with 19 undergraduate programs. The increase in the number of programs offered underscored the imperative to meet the demands of increasing number of undergraduates and academics. In the same year, the Faculty of Sports Science was established and the Faculty of Social Science and Art was renamed as the Faculty of Art and Music, thus increasing the number of faculties and academic programs to eight and 32, respectively.

In 2010, a major restructuring exercise was carried out to improve the competitiveness of UPSI to help realize its vision and missions as a pioneer in innovation and creativity, research, commercialisation, high-impact and creative design, and in the development of creative workforce to help improve the nation's economy. Through this restructuring initiative, several new faculties were established as follows:

1. Faculty of Art, Computing and Creative Industry
2. Faculty of Science and Mathematics
3. Faculty of Language and Communication
4. Faculty of Sports Science and Coaching

5. Faculty of Humanities
6. Faculty of Music and Performing Art
7. Faculty of Humans Development
8. Faculty of Management and Economy, and
9. Faculty of Technical and Vocational Education



## **VISION, MISSION, MOTO AND AIMS OF UPSI**

### **VISION**

To become an excellent university that plays a leading role in educational leadership and spearhead efforts in facing global challenges.

### **MISSION**

To develop and foster strong knowledge of teaching, research, publication, and consultation that contribute to the sound development of a vibrant and knowledgeable society as encapsulated in the nation's vision.

### **MOTO**

NO.1 EDUCATION UNIVERSITY

**AIMS**

To achieve the above mission, UPSI will strive to:

- Uphold a high level of sincerity and honesty in intellectual activities by exploring and questioning the accepted truth that will lead to the development, expansion, and enhancement of knowledge.
- Promote continual contributions to help develop and enrich knowledge, especially in the use of Malay Language, in diverse fields.
- Share knowledge through intellectual activities, including information networking, education, publication, and consultation, locally and internationally.
- Nurture individuals' potentials to make them become learned, morally upright, knowledgeable, and highly patriotic.
- Encourage the members of community to be more emphatic such that they will be able to contribute to the society and the nation, particularly in nurturing the spirit of nationalism and patriotism that helps develop a strong Malaysian race and improve universal wellbeing.



## TOP MANAGEMENT OF UPSI



### **Vice Chancellor**

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## **BACKGROUND, VISION, AND ESTABLISHMENT OF FACULTY**

### **BACKGROUND OF FACULTY**

In keeping abreast with the latest advancements and emerging national needs, the seventy-second senate meeting, which was held on the 15 September 2009, approved the proposal to restructure all faculties of UPSI. This restructuring effort helped streamline the running of academic programs of various faculties and to combine existing faculties and departments into several appropriate faculties. Later, on the 1 June 2010, the Faculty of Information and Communication Technology and the Faculty of Art and Music were combined to become the Faculty of Art, Computing and Creative Industry. Currently, this faculty consists of three departments, namely the Department of Art and Design, the Department of Creative Multimedia, and the Department of Computing.

### **VISION OF FACULTY**

Manifesting Collaborative Creativity

### **OBJECTIVES OF THE ESTABLISHMENT OF THE FACULTY**

- To emphasize the design, development, implementation, and promotion of creative art and design outputs.
- To improve and facilitate the sharing of expertise in academic programs, teaching and learning, research, and publication.
- To create new academic programs that are relevant with the latest and future technological developments, notably in art, computing, and digital technology.

## **ADMISSION REQUIREMENTS**

The entry requirements for Master's programs are as follows:

- i. Candidates must have relevant bachelor's degrees with honest, with a minimum CGPA of 2.50 or others that are deemed acceptable by the faculty, or other equivalent degrees from other institutions of higher learning, or
- ii. Candidates may have other qualifications that have been approved by the Senate,
- iii. Candidates must fulfil specific program requirements, where appropriate, as prescribed by the faculty, and
- iv. International candidates must pass TOEFL with a minimum score of 550 or IELTS with a minimum score of 6.0, except for those who are applying for Malay Language study or other studies that use Malay Language as the medium on instruction.

The entry requirements for doctoral programs are as follows:

- i. Candidates must have relevant master's degrees from Universiti Pendidikan Sultan Idris or from other institutions of higher learning approved by the senate, or
- ii. Candidates may have other qualifications deemed acceptable and have been approved by the senate, and
- iii. Candidates must fulfil specific program requirements, where appropriate, as prescribed by the faculty.

## SPECIFIC ADMISSION REQUIREMENTS OF PROGRAMS

PROGRAM	SPECIFIC REQUIREMENTS
Master of Arts (Fine Arts Studio)	<ul style="list-style-type: none"> <li>i. Candidates must have sufficient working experience and have consistently participated in solo and group exhibitions at both national and international level for at least three (3) years during their undergraduate study.</li> <li>ii. Candidates must pass the interview and portfolio assessment conducted by a panel appointed by the faculty.</li> <li>iii. International candidates are required to send a digital portfolio (a CD compilation containing 15 images of recent work, with each accompanied with a brief description), and curriculum vitae together with the application form.</li> </ul>
Doctoral Degree (Fine Arts Studio)	<ul style="list-style-type: none"> <li>i. Candidates must have sufficient working experience and have consistently participated in solo and group exhibitions at both national and international level for at least five (5) years during their undergraduate study.</li> <li>ii. Candidates must pass the interview and portfolio assessment conducted by a panel appointed by the faculty.</li> <li>iii. International candidates are required to send a digital portfolio (a CD compilation containing 15 images of recent work, with each accompanied with a brief description), and curriculum vitae together with the application form.</li> </ul>

## MANAGEMENT AND ADMINISTRATION OF THE FACULTY

### DEAN



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### DEPUTY DEANS



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## ADMINISTRATION



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## PROGRAM COORDINATORS



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3	<p style="text-align: center;"><b>Assoc. Prof. Dr. Md. Nasir bin Ibrahim</b>  <a href="mailto:mdnasir@fskik.upsi.edu.my">mdnasir@fskik.upsi.edu.my</a>  05-4505844</p> <p>Doctor of Philosophy (Ph.D.) – Art Education  <i>University of Tasmania (2008)</i>  Diploma of Teaching and Leadership Study  <i>Institut Aminuddin Baki (2000)</i>  Master of Magistrum Artium (Education Art)  <i>McGill University Montreal (1999)</i>  Diploma of the Teaching of Art and Design Study  <i>Universiti Teknologi Mara, (UiTM)(1986)</i>  Bachelor of Art - Fine Art  <i>Universiti Sains Malaysia, (USM)(1986)</i></p>	<ul style="list-style-type: none"> <li>• Art Education</li> </ul>
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## DEPARTMENT OF CREATIVE MULTIMEDIA

Lecturer		
Bil	Detail	Field/Specialization
1	<p style="text-align: center;"><b>Head Department</b></p> <p style="text-align: center;"><b>Dr. Ahmad Nizam bin Othman</b>  <a href="mailto:ahmad.nizam@fskik.upsi.edu.my">ahmad.nizam@fskik.upsi.edu.my</a>  05-4505017</p> <p style="text-align: center;">Doctor of Philosophy – Design and Animation  <i>Institut Teknologi Bandung (2014)</i>  Master of Art and Design (Visual Communication and New Media)  <i>Univesiti Teknologi Mara,(UiTM)(2006)</i>  Bachelor of Education -- Art Education  <i>Universiti Pendidikan Sultan Idris,(UPSI)(2002)</i>  Diploma of Architecture  <i>Universiti Teknologi Malaysia,(UTM)(1998)</i></p>	<ul style="list-style-type: none"> <li>Graphic Design</li> <li>Visual Communication</li> <li>Film and Animation</li> <li>3D Modelling and CAD</li> <li>Character Design</li> <li>Creative Studies</li> <li>New Media and Technology</li> <li>Digital Art and Illustration</li> </ul>
2	<p style="text-align: center;"><b>Prof. Dr. Ahmad Zamzuri bin Mohamad Ali</b>  <a href="mailto:zamzuri@fskik.upsi.edu.my">zamzuri@fskik.upsi.edu.my</a>  05-4505833</p> <p style="text-align: center;">Doctor of Philosophy (Multimedia)  <i>Universiti Sains Malaysia,(USM)(2007)</i>  Master of Education  <i>Universiti Teknologi Malaysia,(UTM)(2000)</i>  Bachelor of Science -- Electrical Engineering  <i>Universiti Teknologi Malaysia,(UTM)(1998)</i></p>	<ul style="list-style-type: none"> <li>Multimedia</li> <li>Instructional Technology</li> <li>ICT in Education</li> </ul>
3	<p style="text-align: center;"><b>Assoc. Prof. Dr. Hjh. Nor Azah binti Abdul Aziz</b>  <a href="mailto:azah@fskik.upsi.edu.my">azah@fskik.upsi.edu.my</a>  05-4505190/5834</p> <p style="text-align: center;">Doctor of Philosophy - Islamic Psycho-Spirituality  <i>Universiti Malaya,(UM)(2009)</i>  Diploma – Islamic Revealed Knowledge  <i>Universiti Islam Antarabangsa Malaysia,(UIAM)(2002)</i>  Master of Computer Science – Multimedia  <i>Universiti Putra Malaysia,(UPM)(2002)</i>  Bachelor of Science -- Information Technology  (Information Science)  <i>Universiti Kebangsaan Malaysia,(UKM)(1998)</i></p>	<ul style="list-style-type: none"> <li>Multimedia</li> <li>Multimedia in Education</li> <li>E-learning</li> <li>Child Computer Interaction</li> <li>Interactive Design</li> <li>Islamic psycho-spiritual</li> </ul>
4	<p style="text-align: center;"><b>Assoc. Prof. Dr. Tan Wee Hoe</b>  <a href="mailto:whtan@fskik.upsi.edu.my">whtan@fskik.upsi.edu.my</a>  05-4506257</p> <p style="text-align: center;">Doctor of Philosophy - Game-Based Learning  <i>University of Warwick, UK (2011)</i>  Master of Multimedia (E-Learning Technologies)  <i>MMU (2007)</i>  Bachelor of Science -- Multimedia (Film and Animation)  <i>MMU (2003)</i></p>	<ul style="list-style-type: none"> <li>Multimedia Technology</li> <li>Film and Animation</li> <li>Game-based Learning</li> <li>Game Design and Development</li> <li>Serious Game -FB/Website</li> </ul>

5	<p><b>Assoc. Prof. Dr. Balamuralithara a/l Balakrishnan</b>  <a href="mailto:balab@fskik.upsi.edu.my">balab@fskik.upsi.edu.my</a>  05-4505078</p> <p>Doctor of Philosophy -- Creative Multimedia  <i>MMU (2011)</i>  Master of Engineering (Telecommunication)  <i>MMU (2005)</i>  Bachelor of Electrical Engineering (Telecommunication)  <i>Universiti Teknologi Malaysia (2000)</i></p>	<ul style="list-style-type: none"> <li>• Engineering Education</li> <li>• Educational Technology</li> <li>• Creative Studies</li> <li>• Electrical Telecommunications Engineering</li> <li>• Information Technology Education</li> <li>• Electrical and Electronic Engineering (Wireless Communication and Embedded System)</li> <li>• Engineering Education</li> <li>• Creative Studies</li> </ul>
6	<p><b>Assoc. Prof. Dr. Muhammad Zaffwan bin Idris</b>  <a href="mailto:zaffwan@fskik.upsi.edu.my">zaffwan@fskik.upsi.edu.my</a>  05-4505190/5834</p> <p>Doctor of Philosophy -- Design  <i>Swinburne University of Technology, Australia (2011)</i>  Master of Design (Design Communication)  <i>Swinburne University of Technology, Australia (2006)</i>  Bachelor of Science -- Art Design (Graphics)  <i>Universiti Teknologi Mara, (UiTM) (1999)</i></p>	<ul style="list-style-type: none"> <li>• Graphic Design</li> <li>• Advertising</li> <li>• Branding</li> <li>• Creative Studies</li> <li>• Creative Thinking</li> </ul>
7	<p><b>Dr. Syed Osman bin Syed Yusoff</b>  <a href="mailto:syed.osman@fskik.upsi.edu.my">syed.osman@fskik.upsi.edu.my</a>  05-4506759</p> <p>Doctor of Education (Higher Education Leadership)  <i>Nova Southeastern University (2016)</i>  Master of Fine Art (Visual Communication)  <i>Inst. California, Valencia, USA (1988)</i>  Bachelor of Science -- Art and Design  <i>Universiti Teknologi Mara, (UiTM) (1982)</i></p>	<ul style="list-style-type: none"> <li>• Graphic Design</li> <li>• Visual Communication</li> <li>• Advertising</li> <li>• Branding</li> <li>• Creative Studies</li> <li>• Drawing and Illustration</li> </ul>
8	<p><b>Dr. Nur Safinas binti Albakry</b>  <a href="mailto:nursafinas@fskik.edu.my">nursafinas@fskik.edu.my</a>  05-4505416</p> <p>Doctor of Philosophy -- Art and Design  <i>Universiti Teknologi Mara, (UiTM) (2016)</i>  Master of Art (Visual Communication and New Media)  <i>Universiti Teknologi Mara, (UiTM) (2007)</i>  Bachelor of Media Innovation  <i>Multimedia University (MMU) (2004)</i></p>	<ul style="list-style-type: none"> <li>• Advertising</li> </ul>
9	<p><b>Dr. Norshahila binti Ibrahim</b>  <a href="mailto:shahila@fskik.upsi.edu.my">shahila@fskik.upsi.edu.my</a>  05-4506000</p> <p>Master of Science -- Information Technology (Computer Science)  <i>Universiti Kebangsaan Malaysia, (UKM) (2011)</i>  Bachelor of Multimedia  <i>Universiti Utara Malaysia, (UUM) (2007)</i></p>	<ul style="list-style-type: none"> <li>• Interactive Design</li> <li>• Multimedia in Education</li> <li>• E-learning</li> <li>• Human-Computer Interaction</li> </ul>
10	<p><b>Dr. Noor Hidayah binti Azmi</b>  <a href="mailto:hidayah@fskik.upsi.edu.my">hidayah@fskik.upsi.edu.my</a>  05-4506000</p> <p>Master of Science -- E-Learning Technologies (Multimedia)</p>	<ul style="list-style-type: none"> <li>• Multimedia</li> </ul>

	<p><i>Multimedia University (MMU)(2011)</i> Bachelor of Multimedia <i>Universiti Utara Malaysia,(UUM)(2006)</i></p>	
11	<p><b>Pn. Fadhlinah binti Mohd Razali</b> <a href="mailto:fadhlinah@fskik.upsi.edu.my">fadhlinah@fskik.upsi.edu.my</a> 05-4506000</p> <p>Master of Education (Multimedia) <i>Universiti Pendidikan Sultan Idris,(UPSII)(2004)</i> Bachelor of Computer Science <i>Universiti Putra Malaysia,(UPM)(1999)</i></p>	<ul style="list-style-type: none"> <li>• Multimedia</li> <li>• Multimedia in Education</li> <li>• E-learning</li> <li>• Human-Computer Interaction</li> <li>• Interactive Design</li> </ul>
12	<p><b>En. Nur Azlan bin Hj. Zainuddin</b> <a href="mailto:nur.azlan@fskik.upsi.edu.my">nur.azlan@fskik.upsi.edu.my</a> 05-4506000</p> <p>Master of Mass Communication <i>Universiti Teknologi Mara,(UiTM)(2003)</i> Bachelor of Science -- Mass Communication <i>Universiti Teknologi Mara,(UiTM)(1998)</i></p>	<ul style="list-style-type: none"> <li>• Mass Communication</li> <li>• Photography and Video</li> </ul>
13	<p><b>Cik Nur Syuhada binti Mat Sin</b> <a href="mailto:syuhada@fskik.upsi.edu.my">syuhada@fskik.upsi.edu.my</a> 05-4505073</p> <p>Master of Communication (Screen Study) <i>Universiti Sains Malaysia,(USM)(2007)</i> Bachelor of Science -- Creative Multimedia (Film and Animation) <i>MMU (2004)</i></p>	<ul style="list-style-type: none"> <li>• Film and Animation</li> <li>• Screen Study</li> </ul>
14	<p><b>En. Ramlan bin Jantan*</b> <a href="mailto:ramlan@fskik.upsi.edu.my">ramlan@fskik.upsi.edu.my</a> 05-4506789</p> <p>Master of Design (Multimedia Design) <i>Swinburne University of Technology, Australia (2010)</i> Bachelor Multimedia <i>University of Wales, Newport, UK (1998)</i> Diploma of Art Design <i>Universiti Teknologi Mara,(UiTM)(1995)</i></p>	<ul style="list-style-type: none"> <li>• Multimedia</li> <li>• Graphic Design</li> </ul>
15	<p><b>En. Mohd Hafiz bin Che Othman</b> <a href="mailto:hafiz.othman@fskik.upsi.edu.my">hafiz.othman@fskik.upsi.edu.my</a> 05-4506000</p> <p>Master of Communication (Screen Study) <i>Universiti Sains Malaysia,(USM)(2011)</i> Bachelor of Science -- Visual Art Technology (Graphic Design and Advertising) <i>Universiti Malaysia Sabah,(UMS)(2007)</i> Diploma of Graphic Design (Corporate Communication) <i>Politeknik Johor Bahru (2003)</i></p>	<ul style="list-style-type: none"> <li>• Graphic Design</li> <li>• Screen Study</li> </ul>
16	<p><b>Encik Khairulwafi bin Mamat</b> <a href="mailto:khairulwafi@fskik.upsi.edu.my">khairulwafi@fskik.upsi.edu.my</a> 05-4505029</p> <p>Master of Art and Design - Visual Communication and New Media <i>Universiti Teknologi Mara,(UiTM)(2012)</i> Bachelor of Education - Visual Communication <i>Universiti Pendidikan Sultan Idris,(UPSII)(2009)</i> Diploma of Industrial Design <i>Politeknik Johor Bahru (2004)</i></p>	<ul style="list-style-type: none"> <li>• Visual Communication</li> <li>• New Media and Technology</li> </ul>

17	<p><b>Cik Nor Hazlen binti Kamaruddin</b>  <a href="mailto:hazlen@fskik.upsi.edu.my">hazlen@fskik.upsi.edu.my</a>  05-4505554</p> <p>Master of Art and Design - Visual Communication and New Media  <i>Universiti Teknologi Mara, (UiTM)(2013)</i>  Bachelor of Design - Graphic Design  <i>Universiti Teknologi Mara, (UiTM)(2002)</i></p>	<ul style="list-style-type: none"> <li>• Visual Communication</li> <li>• New Media and Technology</li> <li>• Graphic Design</li> </ul>
18	<p><b>Pn. Catherina Anak Ugap</b>  <a href="mailto:chaterina@fskik.upsi.edu.my">chaterina@fskik.upsi.edu.my</a>  05-4506000</p> <p>Master of Communication (Screen Study)  <i>Universiti Sains Malaysia, (USM)(2012)</i>  Bachelor of Creative Technology (Screen Study)  <i>Universiti Teknologi Mara, (UiTM)(2008)</i></p>	<ul style="list-style-type: none"> <li>• Screen Study</li> <li>• Creative Technology</li> </ul>
19	<p><b>Cik Bakhreza binti A. Talip</b>  <a href="mailto:bakhreza@fskik.upsi.edu.my">bakhreza@fskik.upsi.edu.my</a>  05-4506000</p> <p>Master of Multimedia (Interaction Design)  <i>University Of Queensland, Brisbane, Australia(2009)</i>  Bachelor of Science -- Computer Science  <i>University Technology Malaysia, (UTM)(2005)</i></p>	<ul style="list-style-type: none"> <li>• Interactive Design</li> </ul>
20	<p><b>Dr. Erni Marlina binti Saari</b>  <a href="mailto:marlina@fskik.upsi.edu.my">marlina@fskik.upsi.edu.my</a>  05-4505025</p> <p>Master of Science - Computer Science  <i>Universiti Malaya, (UM)(2011)</i>  Bachelor of Information Technology - Multimedia  <i>Universiti Teknologi Mara, (UiTM)(1999)</i></p>	<ul style="list-style-type: none"> <li>• Multimedia</li> </ul>
21	<p><b>En. Nurazry bin Basiron*</b>  <a href="mailto:nurazry@fskik.upsi.edu.my">nurazry@fskik.upsi.edu.my</a>  05-4505425</p> <p>Master of Art and Design  (Visual Communication and New Media)  <i>Universiti Teknologi Mara, (UiTM)(2012)</i>  Bachelor of Art -- Photography and Creative Imaging  <i>Universiti Teknologi Mara, (UiTM)(2005)</i></p>	<ul style="list-style-type: none"> <li>• Graphic Design</li> <li>• Visual Communication</li> <li>• Branding</li> <li>• Creative Studies</li> <li>• New Media and Technology</li> <li>• Mass Communication</li> <li>• Photography and Video</li> </ul>
22	<p><b>Cik Naimah Binti Musa @ Zakaria*</b>  <a href="mailto:naimah.m@fskik.upsi.edu.my">naimah.m@fskik.upsi.edu.my</a>  05-4505413</p> <p>Master of Art and Design  (Visual Communication and New Media)  <i>Universiti Teknologi Mara, (UiTM)(20012)</i>  Bachelor of Art and Design (Graphic Design)  <i>Universiti Teknologi Mara, (UiTM)(2009)</i>  Diploma of Art and Design (Graphic Design and Digital Media)  <i>Universiti Teknologi Mara (UiTM)(2007)</i></p>	<ul style="list-style-type: none"> <li>• Creative Multimedia</li> </ul>

23	<p><b>En. Mohd Ekram Al Hafis bin Hashim*</b>  <u>mekramalhafis@gmail.com</u>  05-4506000</p> <p>Master of Education (Multimedia Education)  <i>Universiti Pendidikan Sultan Idris, (UPSI) (2014)</i>  Bachelor of Art -- Creative Multimedia and Fine Art  <i>Universiti Teknologi Mara, (UiTM) (2014)</i>  Diploma (Applied Art Technology)  <i>Institut Technology Tun Hussein Onn, (ITTHO) (2007)</i></p>	<ul style="list-style-type: none"> <li>• Film and Animation</li> <li>• Character Design</li> <li>• Creative Studies</li> <li>• Digital Art and Illustration</li> <li>• Creative Thinking</li> </ul>
24	<p><b>En. Mohd Farizal bin Puadi*</b>  <u>mohdfarizal@fskik.upsi.edu</u>  05-4506000</p> <p>Master of Art – Fine Art  <i>Universiti Sains Malaysia (2015)</i>  Bachelor of Art – Fine Art  <i>Universiti Teknologi MARA (2004)</i></p>	<ul style="list-style-type: none"> <li>• Fine Art</li> </ul>

\* On Study Leave (SLAB/SLAI)

\*\* On Post-Doctoral Leave/Sabbatical



**INSTITUT PENGAJIAN SISWAZAH**  
**INSTITUTE OF GRADUATE STUDIES**

**TAKWIM AKADEMIK PROGRAM PENGAJIAN SISWAZAH**  
**SEMESTER 2 SESI 2018/2019 (AMBILAN FEBRUARI 2019)**  
**ACADEMIC CALENDER FOR POSTGRADUATE PROGRAMME**  
**SEMESTER 2 SESSION 2018/2019 (FEBRUARY 2019 INTAKE)**

TARIKH / DATE	MINGGU / WEEK	CATATAN / NOTES
29/01/2019 (Selasa/Tuesday)	Hari Pendaftaran/ Registration Day	Pendaftaran Semester & Kursus Pelajar Lama (Online)/ Semester & Course Registration For Returning Students (Online)
12/02/2019 (Selasa/Tuesday)		Pendaftaran Pelajar Baharu Program Pengajian Siswazah / New Postgraduate Student Registration
13/02/2019 (Rabu/Wednesday)	Hari Orientasi / Orientation Day	Orientasi Pelajar Baharu Program Pengajian Siswazah / New Postgraduate Student Orientation
18/02 – 24/02/2019	Minggu/Week 01	Sesi Perkuliahan / Lectures Minggu Tambah & Gugur Kursus/ Add & Drop Courses Week
25/02 – 03/03/2019	Minggu/Week 02	
04/03 – 10/03/2019	Minggu/Week 03	Sesi Perkuliahan / Lectures Minggu Gugur Kursus/ Drop Courses Week
11/03 – 17/03/2019	Minggu/Week 04	
18/03 – 24/03/2019	Minggu/Week 05	
25/03 – 31/03/2019	Minggu/Week 06	
01/04 – 07/04/2019	Minggu/Week 07	
08/04 – 14/04/2019	Minggu/Week 08	Sesi Perkuliahan / Lectures 01/05/2019 – Hari Pekerja/ Labour Day 19/05/2019 – Hari Wesak / Wesak Day 22/05/2019 – Nuzul Al-Quran
15/04 – 21/04/2019	Minggu/Week 09	
22/04 – 28/04/2019	Minggu/Week 10	
29/04 – 05/05/2019	Minggu/Week 11	
06/05 – 12/05/2019	Minggu/Week 12	
13/05 – 19/05/2019	Minggu/Week 13	Minggu Penilaian Pengajaran & Pembelajaran (PdP)/ Teaching & Learning Evaluation Week
20/05 – 26/05/2019	Minggu/Week 14	
27/05 – 02/06/2019	Minggu/Week 15	Peperiksaan / Examination
03/06 – 09/06/2019	Minggu/Week 16	Peperiksaan / Examination 05/06/2019 & 06/06/2019 – Hari Raya Aidilfitri
20/08/2019 (Selasa/Tuesday)	Hari Pendaftaran / Registration Day	Pendaftaran Semester & Kursus Pelajar Lama (Online) bagi Semester I Sesi 2019/2020 / Semester & Course Registration for Returning Students (Online) for Semester 1 Session 2019/2020
03/09/2019 (Selasa/Tuesday)		Pendaftaran Pelajar Baharu bagi Semester I Sesi 2019/2020 / New Postgraduate Student Registration for Semester 1 Session 2019/2020
04/09/2019 (Rabu/Wednesday)	Hari Orientasi / Orientation Day	Orientasi Pelajar Baharu bagi Semester I Sesi 2019/2020 / New Postgraduate Student Orientation for Semester 1 Session 2019/2020

\*Tertakluk pada pindaan / Subject to changes



## TARIKH-TARIKH PENTING IMPORTANT DATES

BIL.	PERKARA / ITEM	TARIKH / DATE
01.	<b>Pendaftaran Pelajar Lama</b> <i>Course Registration for Returning Postgraduate Students</i>	29/01/2019 – 03/03/2019 (sehingga minggu ke-2/ until week 2)
02.	<b>Tarikh Akhir Tambah Kursus</b> <i>Last Date to Add Courses</i>	03/03/2019 (sehingga minggu ke-2/ until week 2)
03.	<b>Tarikh Akhir Gugur Kursus</b> (Denda akan dikenakan selepas tarikh tutup. Sila rujuk laman web IPS untuk semakan kadar denda.) <i>Last Date to Drop Courses</i> (Fine is charged for late course registration. Please check IGS's website for details.)	07/04/2019 (sehingga minggu ke-7/ until week 7)
04.	<b>Tarikh Akhir Permohonan Tangguh Semester</b> (Pelajar perlu menjelaskan yuran pengajian pada semester terbabit sekiranya penangguhan dibuat selepas minggu ketujuh. Pelajar yang telah membuat bayaran, yuran tidak akan dibawa ke semester hadapan.) <i>Last Date to Apply for Deferment of Study</i> (Deferment after week 7, students will still have to settle the fees for that particular semester. Fees will not be brought to the next semester for students who already made the payment.)	07/04/2019 (sehingga minggu ke-7/ Until week 7)
05.	<b>Tarikh Akhir Penghantaran Softcopy Kertas Projek untuk Semakan Turnitin</b> (Pelajar perlu menghantar gabungan/kompilasi bab 1 hingga bab akhir ke emel <a href="mailto:turnitin@upsi.edu.my">turnitin@upsi.edu.my</a> dan keputusan Turnitin akan diemelkan dalam tempoh 3 hari bekerja.) <i>Final Date for Submission of Softcopy of Project Paper for Turnitin</i> (Students need to submit compilation of chapter 1 until the final chapter to <a href="mailto:turnitin@upsi.edu.my">turnitin@upsi.edu.my</a> email and the result will be emailed to students within three working days.)	28/04/2019 (minggu ke-10/week 10)
06.	<b>Tarikh Akhir Serahan Kertas Projek</b> <i>Last Date to Submit Project Paper</i>	12/05/2019 (minggu ke-12/week 12)
07.	<b>Tarikh Akhir Serahan Laporan Kemajuan Pengajian Siswazah (LKPS)</b> <i>Last Date to Submit Research Progress Report</i>	12/05/2019 (minggu ke-12/week 12)
08.	<b>*Tarikh Akhir Serahan Disertasi/Tesis Awal</b> (Pelajar tidak perlu mendaftar semester berikutnya jika Disertasi/Tesis awal diserahkan sebelum atau pada tarikh ini.) *Tidak terpakai kepada pelajar yang berada pada semester maksimum pengajian. <i>*Last Date for Initial Dissertation/Thesis Submission</i> (Students are not required to register for next semester if dissertation/thesis is submitted before the due date.) *Not applicable to students who are in their maximum semester of study.	16/08/2019

\* Tertakluk kepada pindaan/ subject to change

\* Tertakluk kepada pindaan/ subject to change

## GRADUATE PROGRAMS OFFERED

PROGRAM	MODE	FIELD OF STUDY
Masters	Mixed/ Coursework	<b>Master of Education</b> <ul style="list-style-type: none"> <li>• Multimedia Education</li> <li>• Information Technology Education</li> <li>• Internet Computing Education</li> </ul>
	Research	<b>Master of Education</b> <ul style="list-style-type: none"> <li>• Multimedia Education</li> <li>• Information Technology Education</li> <li>• Internet Computing Education</li> <li>• Art Education</li> </ul>
		<b>Master of Art</b> <ul style="list-style-type: none"> <li>• Fine Arts Study</li> <li>• Art History Study</li> <li>• Visual Communication Study</li> <li>• Design Study</li> <li>• Craft Study</li> <li>• Cultural Study</li> <li>• Fine Art Studio **</li> </ul>
		<b>Master of Science</b> <ul style="list-style-type: none"> <li>• Instructional Technology</li> <li>• Computerized Graphics and Animation</li> <li>• Information and Management Systems</li> <li>• Software Engineering</li> <li>• Artificial Intelligence</li> </ul>
		<b>Master of Design</b> <ul style="list-style-type: none"> <li>• Multimedia Applications</li> <li>• Creative Branding</li> <li>• Advertising</li> <li>• Instructional Media</li> <li>• Digital Games</li> <li>• Game-Based Learning</li> </ul>

PROGRAM	MODE	FIELD OF STUDY
		<ul style="list-style-type: none"> <li>• Multimedia Education</li> <li>• Information Technology Education</li> <li>• Internet Computing Education</li> <li>• Art Education</li> <li>• Instructional Technology</li> <li>• Information and Management Systems</li> <li>• Artificial Intelligence</li> <li>• Fine Art Studio **</li> <li>• Fine Art Study</li> <li>• Art History Study</li> <li>• Cultural Study</li> <li>• Multimedia Design</li> <li>• Creative Branding</li> <li>• Advertising</li> <li>• Instructional Media</li> <li>• Digital Games</li> <li>• Game-Based Learning</li> <li>• Creative Study</li> <li>• Software Engineering</li> <li>•</li> </ul>

\*\* Pre-requisite: Interview

## STRUCTURE OF GRADUATE STUDY PROGRAMS

### (I) MASTER'S EDUCATION PROGRAMS

#### MODE A (By Research)

COURSE	NO. OF COURSES	CREDIT
Thesis	1 (X 40 Credits)	40
<b>TOTAL</b>		<b>40</b>

### INTAKE SEMESTER 1 SESSION 2018/2019 AND BELOW

#### MODE B (By Coursework and Research)

COURSE	NO. OF COURSES	CREDIT
Research Method Courses	2 (X 4 Credits)	8
Educational Courses	2 (X 4 Credits)	8
Specialization Courses	2 (X 4 Credits)	8
Dissertation	1 (X 18 Credits)	18
<b>TOTAL</b>		<b>42</b>

#### MODE C (By Coursework)

COURSE	NO. OF COURSES	CREDIT
Research Method Courses	2 (X 4 Credits)	8
Educational Courses	3 (X 4 Credits)	12
Specialization Courses	3 (X 4 Credits)	12
Elective Courses	1 (X 4 Credits)	4
Project / Comprehensive Examination, and Two (2) additional courses	1 (X 6 Credits)	6
<b>TOTAL</b>		<b>42</b>

### INTAKE SEMESTER 2 SESSION 2018/2019 AND BELOW

#### MODE B (By Coursework and Research)

COURSE	NO. OF COURSES	CREDIT
Research Method Courses	3 (X 4 Credits)	12
Educational Courses	1 (X 4 Credits)	4
Specialization Courses	1 (X 4 Credits)	4
Dissertation	1 (X 20 Credits)	20
<b>TOTAL</b>		<b>40</b>

### MODE C (By Coursework)

COURSE	NO. OF COURSES	CREDIT
Research Method Courses	3 (X 4 Credits)	12
Educational Courses	1 (X 4 Credits)	4
Specialization Courses	4 (X 4 Credits)	16
Elective Courses	1 (X 4 Credits)	4
Project / Comprehensive Examination, and Two (2) additional courses	1 (X 8 Credits)	8
<b>TOTAL</b>		<b>44</b>

#### Duration of Study

<b>FULLTIME</b>	3 to 6 semesters
<b>PART TIME</b>	4 to 10 semesters

NOTE: It is recommended that students complete their study within the stipulated duration.

### (II) MASTER'S NON-EDUCATION PROGRAMS

#### MODE A (By Research)

COURSE	NO. OF COURSES	CREDIT
Thesis	1 (X 40 Credits)	40
<b>TOTAL</b>		<b>40</b>

#### Duration of Study

<b>FULLTIME</b>	3 to 6 semesters
<b>PART TIME</b>	4 to 10 semesters

NOTE: It is recommended that students complete their study within the stipulated duration

### (III) DOCTORAL PROGRAMS

#### Program Implementation

- The program involves research in a particular field, culminating in a dissertation or a thesis.

#### Duration of Study

<b>FULLTIME</b>	4 to 10 semesters
<b>PART TIME</b>	6 to 14 semesters

NOTE: It is recommended that students complete their study within the stipulated duration.

## CURRICULUM STRUCTURE

### MASTER OF EDUCATION (MULTIMEDIA) – MT30

#### INTAKE SEMESTER 1 SESSION 2018/2019 AND BELOW

##### Master by Research (Mode A)

Course Requirement	Code	Course Name	Credit Hours
Mandatory	MTM59940	Thesis (Multimedia Education)	40
<b>TOTAL</b>			<b>40</b>

\*\*Students are required to attend at least one course of research methodology throughout the study and meet the requirements of the audit course. Students may also be required to attend other courses on the Faculty's proposal and meet the audit course requirements.

##### **Master by Research and Coursework (Mode B)**

###### a) Research Method Course

Course Requirement	Code	Course Name	Credit Hours
Mandatory	GRU60104	Educational Research Methods	4
	GRU6024	Multivariate Analysis of Variance (MANOVA)	4
<b>TOTAL</b>			<b>8</b>

Note: Students MUST enrol in and pass GRU60104 before registering for GRU6024

###### b) Educational Courses

Course Requirement	Code	Course Name	Credit Hours
Mandatory	MTP6014	Instructional Design Theories	4
Optional (1 only)	MTP6034	Analysis of Technological Pedagogical Content Knowledge	4
	MTP6044	Technology and Innovation in ICT Education	4
<b>TOTAL</b>			<b>8</b>

Students MUST enrol in MTP6014 and select ONE (1) of the two optional courses as listed above, which are equivalent to EIGHT (8) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of the senate

c) Specialization Courses

Code	Course Name	Credit Hour
MMG6014	Human-Computer Interaction Studies	4
MMG6024	Graphics Design and Animation	4
MMS6014	Development of Web Applications	4
MMP6034	Multimedia Interactive Courseware Design	4
<b>TOTAL</b>		<b>8</b>

Students must choose any TWO (2) courses from the above list, which are equivalent to EIGHT (8) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

d) Dissertation

Code	Course Name	Credit Hour
MMR6018	Dissertation	18
<b>TOTAL</b>		<b>18</b>

Students must enrol in the Dissertation course, which are equivalent to 18 credit hours. The registration of this course will ONLY be allowed after students have enrolled in SIX (6) courses, which are equivalent to 24 credit hours.

### Proposed Distribution of Courses based on Semester

The following table summarizes the proposed courses based on semester for full-time students pursuing studies under Mode B category. Nonetheless, students are not obligated to enrol in all the courses in each semester as listed in the table.

#### Master by Research and Coursework (Mode B)

Semester	Course	Course Name	Credit
1	Research Methodology	GRU60104 Educational Research Methods	4
	Education	MTP6014 Instructional Design Theories	4
	Field	MMG 6024 Graphics Design and Animation	4
	<b>TOTAL</b>		<b>12</b>

2	Research Methodology	GRU6024 Multivariate Analysis of Variance (MANOVA)	4
	Education	MTP6044 Technology and Innovation in ICT Education	4
	Field	MMP6034 Multimedia Interaction Courseware Design	4
	<b>TOTAL</b>		<b>12</b>
3	Dissertation	MMR 6018 Dissertation	18
	<b>OVERALL TOTAL</b>		<b>42</b>

### **Master of Education by Coursework (Mode C)**

#### a) Research Method Courses

Course Requirement	Code	Course Name	Credit Hour
Mandatory	GRU60104	Educational Research Methods	4
	GRU6024	Multivariate Analysis of Variance (MANOVA)	4
<b>TOTAL</b>			<b>8</b>

Students MUST enroll in and pass GRU60104 before registering GRU6024.

#### b) Educational Courses

Course Requirement	Code	Course Name	Credit Hour
Mandatory	MTP6014	Instructional Design Theories	4
	MTP6034	Analysis of Technological Pedagogical Content Knowledge	4
	MTP6044	Technology and Innovation in ICT Education	4
<b>TOTAL</b>			<b>12</b>

Students MUST enrol in all the above courses, which are equivalent to TWELVE (12) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of the senate.



c) Specialization Courses

Code	Course Name	Credit Hour
MMG6014	Human-Computer Interaction Studies	4
MMG6024	Graphics Design and Animation	4
MMS6014	Development of Web Application	4
MMP6034	Multimedia Interactive Courseware Design	4
<b>TOTAL</b>		<b>12</b>

Students need to choose any THREE (3) of the above courses, which are equivalent to TWELVE (12) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

d) Elective Courses

Code	Course Name	Credit Hour
MTP6024	Issues in ICT in Education	4
MTS6014	Advanced Programming	4
MTD6014	Object-Oriented Analysis and Design	4
MTD6024	Information System Development	4
MIS6014	Java for Internet	4
MIN6014	Computer Network Administration	4
MIN6024	Network Security	4
<b>TOTAL</b>		<b>4</b>

Elective courses can be selected from any component, namely research courses, educational courses, specialization courses, elective courses or any appropriate courses offered by other faculties. Students must choose only ONE (1) of the above courses, which is equivalent to FOUR (4) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

e) Project/ Comprehensive Examination

Code	Course Name	Credit Hour
MMR6006	Project or TWO (2) additional courses and Comprehensive Examination	6
<b>TOTAL</b>		<b>6</b>

Students must choose either a project or TWO (2) additional courses, which are equivalent to SIX (6) credit hours, with a comprehensive examination (depending on university approval). The registration of the project will only be allowed after students have enrolled in at least EIGHT (8) courses, which are equivalent to 32 credit hours. For students opting for the

comprehensive examination, they need to complete all the credit hours required for graduation. Given that the project is equivalent to six credit hours, students are required to enrol in additional or extra courses, which are equivalent to six credit hours.

The scope of questions of the comprehensive examination encompasses three study components, namely the research method, education, and specialization courses. The examination questions will be designed based on the synthesis of relevant components of such courses. A committee will be set up by the faculty to formulate the questions in any semester according to the registration of candidates. The results of this examination will be based on PASS or FAIL only.

However, students must obtain 65% of the total correct answers to pass the examination. Candidates will qualify to sit for the examination on the final semester of study. As such, candidates have to register for the comprehensive examination at the beginning of this semester. Candidates will be allowed to resit the comprehensive examination only once, which will be on the following semester. If candidates fail for the second time, they are deemed to have failed in their study and, therefore, not qualified for graduation.

### **Proposed Distribution of Courses based on Semester**

The following table summarizes the proposed courses based on semester for full-time students pursuing studies under Mode C category. Nonetheless, students are not obligated to enrol in all the courses in each semester as listed in the table.

#### **Master of Education (Multimedia) - Mode C (by Coursework)**

<b>Semester</b>	<b>Course</b>	<b>Course Name</b>	<b>Credit</b>
<b>1</b>	Research Methodology	GRU60104 Educational Research Methods	4
	Education	MTP6014 Instructional Design Theories	4
	Field	MMG6014 Human-Computer Interaction Studies	4
		MMG6024 Graphics Design and Animation	4
	<b>TOTAL</b>		<b>16</b>
<b>2</b>	Research Methodology	GRU6024 Multivariate Analysis of Variance (MANOVA)	4
	Education	MTP6034 Analysis of Technological Pedagogical Content Knowledge	4
		MTP6044 Technology and Innovation in ICT Education	4
	Field	MMP6034 Multimedia Interaction Courseware Design	4
	<b>TOTAL</b>		<b>16</b>

3	Elective	Any ONE (1) of the electives courses	4
	Project	MMR6006 Project Paper (Multimedia)	6
	TOTAL		10
	OVERALL TOTAL		42

## MASTER OF EDUCATION (MULTIMEDIA) – MT30

### INTAKE SEMESTER 2 SESSION 2018/2019 AND ABOVE

#### Master by Research (Mode A)

Course Requirement	Code	Course Name	Credit Hours
Mandatory	MTM59940	Disertation (Multimedia Education)	40
<b>TOTAL</b>			<b>40</b>

#### **Master by Research and Coursework (Mode B)**

##### a) Research Methodology Courses

Course Requirement	Code	Course Name	Credit Hour
Mandatory	GRU60104	Educational Research Methods	4
	MRU60204	Multivariate Analysis	4
	MRU60304	Academic Writing	4
<b>TOTAL</b>			<b>12</b>

Students MUST enrol in and pass GRU60104 before registering MRU60204 and MRU60304.

##### b) Educational Courses

Course Requirement	Code	Course Name	Credit Hour
Mandatory	MTP60104	Instructional Design Theories	4
<b>TOTAL</b>			<b>4</b>

c) Specialization Courses

Code	Course Name	Credit Hour
MMG60104	Human-Computer Interaction	4
MMG60204	Graphics Design and Animation	4
MMG60304	Virtual Environment	4
MMV60104	Audio & Video Production	4
<b>TOTAL</b>		<b>4</b>

New courses and requirements will be continually updated by relevant faculties with the approval of senate.

e) Dissertation

Code	Course Name	Credit Hour
MMR59920	Dissertation	20
<b>TOTAL</b>		<b>20</b>

Students must enrol in the Dissertation course, which are equivalent to 20 credit hours. The registration of this course will ONLY be allowed after students have enrolled in FIVE (5) courses, which are equivalent to 20 credit hours

**Proposed Distribution of Courses based on Semester**

The following table summarizes the proposed courses based on semester for full-time students pursuing studies under Mode B category. Nonetheless, students are not obligated to enrol in all the courses in each semester as listed in the table.

**Master by Research and Coursework (Mode B)**

Semester	Course	Course Name	Credit
1	Research Methodology	GRU60104 Educational Research Methods	4
	Education	MTP60104 Instructional Design Theories	4
	Field	Choose ANY one(1) of Specialization Courses	4
	<b>TOTAL</b>		<b>12</b>
2	Research Methodology	MRU60204 Multivariate Analysis	4
	Research Methodology	MRU60304 Academic Writing	4

	<b>TOTAL</b>		<b>8</b>
3	Dissertation	MMR59920 Dissertation	20
	<b>OVERALL TOTAL</b>		<b>40</b>

## MASTER BY RESEARCH AND COURSEWORK (MODE C)

### a) Research Methodology Courses

Course Requirement	Code	Course Name	Credit Hour
Mandatory	GRU60104	Educational Research Methods	4
	MRU60204	Multivariate Analysis	4
	MRU60304	Academic Writing	4
<b>TOTAL</b>			<b>12</b>

Students MUST enrol in and pass GRU60104 before registering MRU60204 and MRU60304.

### b) Educational Courses

Course Requirement	Code	Course Name	Credit Hour
Mandatory	MTP60104	Instructional Design Theories	4
<b>TOTAL</b>			<b>4</b>

### c) Specialization Courses

Code	Course Name	Credit Hour
MMG60104	Human-Computer Interaction Studies	4
MMG60204	Graphics Design and Animation	4
MMG60304	Virtual Environment	4
MMV60104	Audio & Video Production	4
<b>TOTAL</b>		<b>16</b>

New courses and requirements will be continually updated by relevant faculties with the approval of senate.

d) Elective Courses

Code	Course Name	Credit Hour
MMP60304	Multimedia Interactive Courseware Design	4
MMS60104	Development of Web Application	4
MTD60304	Strategic Information System Planning In Education	4
<b>TOTAL</b>		<b>4</b>

Students must choose only ONE (1) of the above courses, which is equivalent to FOUR (4) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

e) Project/ Comprehensive Examination

Code	Course Name	Credit Hour
MMR59908	Project or TWO (2) additional courses and Comprehensive Examination	8
<b>TOTAL</b>		<b>8</b>

**Proposed Distribution of Courses based on Semester**

The following table summarizes the proposed courses based on semester for full-time students pursuing studies under Mode C category. Nonetheless, students are not obligated to enrol in all the courses in each semester as listed in the table.

**Master of Education (Multimedia) - Mode C (by Coursework)**

Semester	Course	Course Name	Credit
1	Research Methodology	GRU60104 Educational Research Methods	4
	Education	MTP60104 Instructional Design Theories	4
	Field	MMG60104 Human Computer Interaction Studies	4
	Field	MMG60204 Graphics Design and Animation	4
	<b>TOTAL</b>		<b>16</b>
2	Research Methodology	MRU60204 Multivariate Analysis	4
	Research Methodology	MRU60304 Academic Writing	4
	Field	MMG60304 Virtual Environment	4
	Field	MMV60104 Audio & Video Production	4
	<b>TOTAL</b>		<b>16</b>

3	Elective	Any ONE (1) of the electives courses	4
	Project	MMR59908 Project Paper (Multimedia)	8
	<b>TOTAL</b>		<b>12</b>
	<b>OVERALL TOTAL</b>		<b>44</b>

Students must choose either a project or TWO (2) additional courses, which are equivalent to EIGHT (8) credit hours, with a comprehensive examination (depending on university approval). The registration of the project will only be allowed after students have enrolled in at least NINE (9) courses, which are equivalent to 36 credit hours. For students opting for the comprehensive examination, they need to complete all the credit hours required for graduation. Given that the project is equivalent to EIGHT credit hours, students are required to enrol in additional or extra courses, which are equivalent to EIGHT credit hours.

The scope of questions of the comprehensive examination encompasses three study components, namely the research method, education, and specialization courses. The examination questions will be designed based on the synthesis of relevant components of such courses. A committee will be set up by the faculty to formulate the questions in any semester according to the registration of candidates. The results of this examination will be based on PASS or FAIL only.

However, students must obtain 65% of the total correct answers to pass the examination. Candidates will qualify to sit for the examination on the final semester of study. As such, candidates have to register for the comprehensive examination at the beginning of this semester. Candidates will be allowed to re sit the comprehensive examination only once, which will be on the following semester. If candidates fail for the second time, they are deemed to have failed in their study and, therefore, not qualified for graduation.

## CURRICULUM STRUCTURE

### MASTER OF EDUCATION (INFORMATION TECHNOLOGY) – MT36

#### INTAKE SEMESTER 1 SESSION 2018/2019 AND BELOW

##### Master of Education by Research (Mode A)

Course Requirement	Course	Course Name	Credit
Mandatory	MTK59940	Thesis (Information Technology Education)	40
<b>TOTAL</b>			<b>40</b>



**\*\*Students are required to attend at least one research methodology course of study throughout the course of study and meet the requirements of the audit course. Students may also be required to attend other courses on the Faculty's proposal and meet the audit course requirements.**

### **Master of Education by Research and Coursework (Mode B)**

#### **a) Research Methodology Courses**

<b>Course Requirement</b>	<b>Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
Mandatory	GRU60104	Educational Research Methods	4
	GRU6024	Multivariate Analysis of Variance (MANOVA)	4
<b>TOTAL</b>			<b>8</b>

Note: Students MUST enrol in and pass GRU60104 before registering for GRU6024.

#### **b) Educational Courses**

<b>Course Requirement</b>	<b>Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
Mandatory	MTP6014	Instructional Design Theories	4
Optional (1 only)	MTP6034	Analysis of Technological Pedagogical Content Knowledge	4
	MTP6044	Technology and Innovation in ICT Education	4
<b>TOTAL</b>			<b>8</b>

Students MUST enrol in MTP6014 and select ONE (1) of the two optional courses as listed above, which are equivalent to EIGHT (8) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

#### **c) Specialization Courses**

<b>Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
MTS6014	Advanced Programming	4
MIN6024	Network Security	4
MTD6014	Object-Oriented Analysis and Design	4
MTD6024	Information System Development	4
<b>TOTAL</b>		<b>8</b>

Students need to choose any TWO (2) courses as listed above, which are equivalent to EIGHT (8) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

d) Dissertation

Code	Course Name	Credit Hours
MTR6018	Dissertation	18
<b>TOTAL</b>		<b>18</b>

Students must enrol in the Dissertation course, which is equivalent to 18 credit hours. The registration of this course will ONLY be allowed after students have enrolled in SIX (6) courses, which are equivalent to 24 credit hours.

### Proposed Distribution of Courses based on Semester

The following table summarizes the proposed courses based on semester for full-time students pursuing studies under Mode B category. Nonetheless, students are not obligated to enrol in all the courses in each semester as listed in the table.

### Master of Education (Information Technology) - Mode B (Mixed Mode)

Semester	Course	Course Name	Credit
1	Research	GRU60104 Educational Research Methods	4
	Education	MTP6014 Instructional Design Theories	4
	Field	MTS6014 Advanced Programming	4
	<b>TOTAL</b>		<b>12</b>
2	Research	GRU6024 Multivariate Analysis of Variance (MANOVA)	4
	Education	MTP6044 Technology and Innovation in ICT Education	4
	Field	MTD6014 Object-Oriented Analysis and Design	4
	<b>TOTAL</b>		<b>12</b>
3	Dissertation	MTR6018 Dissertation	18
	<b>OVERALL TOTAL</b>		<b>42</b>

### **Master of Education by Coursework (Mode C)**

#### **a) Research Methodology Courses**

<b>Course Requirement</b>	<b>Code</b>	<b>Course Name</b>	<b>Credit Hour</b>
Mandatory	GRU60104	Educational Research Methods	4
	GRU6024	Multivariate Analysis of Variance (MANOVA)	4
<b>TOTAL</b>			<b>8</b>

Students MUST enrol in and pass GRU60104 before registering GRU6024.

#### **b) Educational Courses**

<b>Course Requirement</b>	<b>Code</b>	<b>Course Name</b>	<b>Credit Hour</b>
Mandatory	MTP6014	Instructional Design Theories	4
	MTP6034	Analysis of Technological Pedagogical Content Knowledge	4
	MTP6044	Technology and Innovation in ICT Education	4
<b>TOTAL</b>			<b>12</b>

Students MUST enrol in all the above courses, which are equivalent to TWELVE (12) credit hours. New courses and requirements will be continually updated by relevant faculties after the approval of senate.

#### **c) Specialization Courses**

<b>Code</b>	<b>Course Name</b>	<b>Credit Hour</b>
MTS6014	Advanced Programming	4
MIN6024	Network Security	4
MTD6014	Object-Oriented Analysis and Design	4
MTD6024	Information System Development	4
<b>TOTAL</b>		<b>12</b>

Students need to choose any THREE (3) of the above courses, which are equivalent to TWELVE (12) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of the senate.

d) Elective Courses

<b>Code</b>	<b>Course Name</b>	<b>Credit Hour</b>
MTP6024	Issues on ICT in Education	4
MMG6014	Human-Computer Interaction Studies	4
MMG6024	Graphics Design and Animation	4
MMS6014	Development of Web Application	4
MMP6034	Multimedia Interactive Courseware Design	4
MIS6014	Java for Internet	4
MIN6014	Computer Network Administration	4
<b>TOTAL</b>		<b>4</b>

Elective courses can be selected from any component, namely research courses, educational courses, specialization courses, elective courses or any appropriate courses offered by other faculties. Students must choose only ONE (1) of the above courses, which is equivalent to FOUR (4) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

e) Project/Comprehensive Examination

<b>Code</b>	<b>Course Name</b>	<b>Credit Hour</b>
MTR6006	Project or TWO (2) additional courses and Comprehensive Examination	6
<b>TOTAL</b>		<b>6</b>

Students must choose either a project or TWO (2) additional courses, which are equivalent to SIX (6) credit hours, with a comprehensive examination (depending on university approval). The registration of the project will only be allowed after students have enrolled in at least EIGHT (8) courses, which are equivalent to 32 credit hours. For students opting for the comprehensive examination, they need to complete all the credit hours required for graduation. Given that the project is equivalent to six credit hours, students are required to enrol in additional or extra courses, which are equivalent to six credit hours.

The scope of questions of the comprehensive examination encompasses three study components, namely the research method, education, and specialization courses. The examination questions will be designed based on the synthesis of relevant components of such courses. A committee will be set up by the faculty to formulate the questions in any semester according to the registration of candidates. The results of this examination will be based on PASS or FAIL only.

However, students must obtain 65% of the total correct answers to pass the examination. Candidates will qualify to sit for the examination on the final semester of study. As such, candidates have to register for the comprehensive examination at the beginning of this

semester. Candidates will be allowed to resit the comprehensive examination only once, which will be on the following semester. If candidates fail for the second time, they are deemed to have failed in their study and, therefore, not qualified for graduation.

### Proposed Distribution of Courses based on Semester

The following table summarizes the proposed courses based on semester for full-time students pursuing studies under Mode C category. Nonetheless, students are not obligated to enrol in all the courses in each semester as listed in the table.

#### Master of Education (Information Technology) - Mode C (by Coursework)

Semester	Code	Course Name	Credit Hour	
1	Research	GRU60104 Educational Research Methods	4	
	Education	MTP6014 Instructional Design Theories	4	
	Field	MTS6014 Advanced Programming	4	
		MIN6024 Network Security	4	
	TOTAL			16
2	Research	GRU6024 Multivariate Analysis of Variance (MANOVA)	4	
	Education	MTP6034 Analysis of Technological Pedagogical Content Knowledge	4	
		MTP6044 Technology and Innovation in ICT Education	4	
	Field	MTD 6024 Information System Development	4	
	TOTAL			16
3	Elective	Any ONE (1) of the elective courses	4	
	Project	MTR6006 Project Paper (Information Technology)	6	
	TOTAL			10
	OVERALL TOTAL			42

## MASTER OF EDUCATION (INFORMATION TECHNOLOGY) – MT36

### INTAKE SEMESTER 2 SESSION 2018/2019 AND ABOVE

#### Master of Education by Research (Mode A)

Course Requirement	Course	Course Name	Credit
Mandatory	MTR59940	Dissertation (Information Technology Education)	40
TOTAL			40

\*\*Students are required to attend at least one course of research methodology throughout the course of study and meet the requirements of the audit course. Students may also be required to attend other courses on the Faculty's proposal and meet the audit course requirements.

#### Master of Education by Research and Coursework (Mode B)

##### a) Research Methodology Courses

Course Requirement	Code	Course Name	Credit Hours
Mandatory	GRU60104	Educational Research Methods	4
	MRU60204	Multivariate Analysis	4
	MRU60304	Academic Writing	4
TOTAL			12

Note: Students MUST enrol in and pass GRU60104 before registering for MRU60204 and MRU60304 .

##### c) Educational Courses

Course Requirement	Code	Course Name	Credit Hours
Mandatory	MTP60104	Instructional Design Theories	4
TOTAL			4

New courses and requirements will be continually updated by relevant faculties with the approval of senate.

c) Specialization Courses

Code	Course Name	Credit Hours
MIN60104	Computer Network Administration	4
MTS60204	Paradigms of Programming	4
MMG60104	Human Computer Interaction Studies	4
MTD60204	Information System Development	4
<b>TOTAL</b>		<b>4</b>

Students need to choose any ONE (1) of the above courses, which is equivalent to FOUR (4) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

d) Dissertation

Code	Course Name	Credit Hours
MTR59920	Dissertation	20
<b>TOTAL</b>		<b>20</b>

Students must enrol in the Dissertation course, which is equivalent to 20 credit hours. The registration of this course will ONLY be allowed after students have enrolled in FIVE (5) courses, which are equivalent to 20 credit hours.

**Proposed Distribution of Courses based on Semester**

The following table summarizes the proposed courses based on semester for full-time students pursuing studies under Mode B category. Nonetheless, students are not obligated to enrol in all the courses in each semester as listed in the table.

**Master of Education (Information Technology) - Mode B (Mixed Mode)**

Semester	Course	Course Name	Credit
1	Research Methodology	GRU60104 Educational Research Methods	4
	Education	MTP60104 Instructional Design Theories	4
	Field	Choose ANY one(1) of Specialization Courses	4
	<b>TOTAL</b>		<b>12</b>
2	Research Methodology	MRU60204 Multivariate Analysis	4



	Research Methodology	MRU60304 Academic Writing	4
	<b>TOTAL</b>		<b>8</b>
3	Dissertation	MTR59920 Dissertation	20
	<b>OVERALL TOTAL</b>		<b>40</b>

### **Master of Education by Coursework (Mode C)**

#### a) Research Methodology Courses

Course Requirement	Code	Course Name	Credit Hours
Mandatory	GRU60104	Educational Research Methods	4
	MRU60204	Multivariate Analysis	4
	MRU60304	Academic Writing	4
<b>TOTAL</b>			<b>12</b>

Note: Students MUST enrol in and pass GRU60104 before registering for MRU60204 and MRU60304 .

#### b) Educational Courses

Course Requirement	Code	Course Name	Credit Hour
Mandatory	MTP60104	Instructional Design Theories	4
<b>TOTAL</b>			<b>4</b>

New courses and requirements will be continually updated by relevant faculties after the approval of senate.

#### d) Specialization Courses

Code	Course Name	Credit Hours
MIN60104	Computer Network Administration	4
MTS60204	Paradigms of Programming	4
MMG60104	Human Computer Interaction Studies	4
MTD60204	Information System Development	4
<b>TOTAL</b>		<b>16</b>

New courses and requirements will be continually updated by relevant faculties with the approval of the senate.

d) Elective Courses

Code	Course Name	Credit Hour
MTD60304	Strategic Information System Planning in Education	4
MMS60104	Development of Web Application	4
MMP60304	Multimedia Interactive Courseware Design	4
<b>TOTAL</b>		<b>4</b>

Students must choose only ONE (1) of the above courses, which is equivalent to FOUR (4) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

e) Project/Comprehensive Examination

Code	Course Name	Credit Hour
MTR59908	Project or TWO (2) additional courses and Comprehensive Examination	8
<b>TOTAL</b>		<b>8</b>

Students must choose either a project or TWO (2) additional courses, which are equivalent to EIGHT (8) credit hours, with a comprehensive examination (depending on university approval). The registration of the project will only be allowed after students have enrolled in at least NINE (9) courses, which are equivalent to 36 credit hours. For students opting for the comprehensive examination, they need to complete all the credit hours required for graduation. Given that the project is equivalent to EIGHT credit hours, students are required to enrol in additional or extra courses, which are equivalent to EIGHT credit hours.

The scope of questions of the comprehensive examination encompasses three study components, namely the research method, education, and specialization courses. The examination questions will be designed based on the synthesis of relevant components of such courses. A committee will be set up by the faculty to formulate the questions in any semester according to the registration of candidates. The results of this examination will be based on PASS or FAIL only.

However, students must obtain 65% of the total correct answers to pass the examination. Candidates will qualify to sit for the examination on the final semester of study. As such, candidates have to register for the comprehensive examination at the beginning of this semester. Candidates will be allowed to resit the comprehensive examination only once, which will be on the following semester. If candidates fail for the second time, they are deemed to have failed in their study and, therefore, not qualified for graduation.

### Proposed Distribution of Courses based on Semester

The following table summarizes the proposed courses based on semester for full-time students pursuing studies under Mode C category. Nonetheless, students are not obligated to enrol in all the courses in each semester as listed in the table.

#### Master of Education (Information Technology) - Mode C (by Coursework)

Semester	Code	Course Name	Credit Hour
1	Research Methodology	GRU60104 Educational Research Methods	4
	Education	MTP60104 Instructional Design Theories	4
	Field	MMG60104 Human Computer Interaction Studies	4
		MTD60204 Information System Development	4
	TOTAL		16
2	Research Methodology	MRU60204 Multivariate Analysis	4
	Research Methodology	MRU60304 Academic Writing	4
	Field	MTS60204 Paradigms of Programming	4
		MIN60104 Computer Network Administration	4
	TOTAL		16
3	Elective	Any ONE (1) of the elective courses	4
	Project	MTR59908 Project Paper (Information Technology)	8
	TOTAL		12
	OVERALL TOTAL		44

### CURRICULUM STRUCTURE

#### MASTER OF EDUCATION (INTERNET COMPUTING) – MT37

##### Master by Research (Mode A)

Course Requirement	Code	Course Name	Credit Hours
Mandatory	MTI59940	Thesis (Internet Computing Education)	40
<b>TOTAL</b>			<b>40</b>

**\*\*Students are required to attend at least one course of research methodology throughout the course of study and meet the requirements of the audit course. Students may also be required to attend other courses on the Faculty's proposal and meet the audit course requirements.**

### **Master by Research and Coursework (Mode B)**

#### **a) Research Methodology Courses**

<b>Course Requirement</b>	<b>Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
Mandatory	GRU60104	Educational Research Methods	4
	GRU6024	Multivariate Analysis of Variance (MANOVA)	4
<b>TOTAL</b>			<b>8</b>

Note: Students MUST enrol in and pass GRU60104 before registering for GRU6024.

#### **b) Educational Courses**

<b>Course Requirement</b>	<b>Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
Mandatory	MTP6014	Instructional Design Theories	4
Optional (1 only)	MTP6034	Analysis of Technological Pedagogical Content Knowledge	4
	MTP6044	Technology and Innovation in ICT Education	4
<b>TOTAL</b>			<b>8</b>

Students MUST enrol in MTP6014 and select ONE (1) of the two optional courses as listed above, which are equivalent to EIGHT (8) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

#### **c) Specialization Courses**

<b>Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
MIS6014	Java for Internet	4
MIN6014	Computer Network Administration	4
MMG6014	Human-Computer Interaction Studies	4
MTD6014	Object-Oriented Analysis and Design	4
<b>TOTAL</b>		<b>8</b>

Students must choose any TWO (2) courses from the above list, which are equivalent to EIGHT (8) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

d) Dissertation

Code	Course Name	Credit Hour
MMR6018	Dissertation	18
<b>TOTAL</b>		<b>18</b>

Students must enrol in the Dissertation course, which is equivalent to 18 credit hours. The registration of this course will ONLY be allowed after students have enrolled in SIX (6) courses, which are equivalent to 24 credit hours.

### Proposed Distribution of Courses based on Semester

The following table summarizes the proposed courses based on semester for full-time students pursuing studies under Mode B category. Nonetheless, students are not obligated to enrol in all the courses in each semester as listed in the table.

#### Master of Education (Internet Computing) - Mode B (Mixed Mode)

Semester	Course	Course Name	Credit
1	Research	GRU60104 Educational Research Methods	4
	Education	MTP6014 Instructional Design Theories	4
	Field	MIS6014 Java for Internet	4
	<b>TOTAL</b>		<b>12</b>
2	Research	GRU6024 Multivariate Analysis of Variance (MANOVA)	4
	Education	MTP6044 Technology and Innovation in ICT Education	4
	Field	MTD6014 Object-Oriented Analysis and Design	4
	<b>TOTAL</b>		<b>12</b>
3	Dissertation	MMR6018 Dissertation	18
	<b>OVERALL TOTAL</b>		<b>42</b>

### **Master of Education by Coursework (Mode C)**

#### a) Research Methodology Courses

<b>Course Requirement</b>	<b>Code</b>	<b>Course Name</b>	<b>Credit Hour</b>
Mandatory	GRU60104	Educational Research Methods	4
	GRU6024	Multivariate Analysis of Variance (MANOVA)	4
<b>TOTAL</b>			<b>8</b>

Students MUST enrol in and pass GRU60104 before registering GRU6024.

#### b) Educational Courses

<b>Course Requirement</b>	<b>Code</b>	<b>Course Name</b>	<b>Credit Hour</b>
Mandatory	MTP6014	Instructional Design Theories	4
	MTP6034	Analysis of Technological Pedagogical Content Knowledge	4
	MTP6044	Technology and Innovation in ICT Education	4
<b>TOTAL</b>			<b>12</b>

Students MUST enrol in all the above courses, which are equivalent to TWELVE (12) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of the senate.

#### c) Specialization Courses

<b>Code</b>	<b>Course Name</b>	<b>Credit Hour</b>
MIS6014	Java for Internet	4
MIN6014	Computer Network Administration	4
MMG6014	Human-Computer Interaction Studies	4
MTD6014	Object-Oriented Analysis and Design	4
<b>TOTAL</b>		<b>12</b>

Students need to choose any THREE (3) of the above courses, which are equivalent to TWELVE (12) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

d) Elective Courses

<b>Code</b>	<b>Course Name</b>	<b>Credit Hour</b>
MTP6024	Issues on ICT in Education	4
MTS6014	Advanced Programming	4
MTD6024	Information System Development	4
MMG6024	Graphics Design and Animation	4
MMS6014	Development of Web Application	4
MIN6024	Network Security	4
MMP6034	Multimedia Interactive Courseware Design	4
<b>TOTAL</b>		<b>4</b>

Elective courses can be selected from any component, namely research courses, educational courses, specialization courses, elective courses or any appropriate courses offered by other faculties. Students must choose only ONE (1) of the above courses, which is equivalent to FOUR (4) credit hours. New courses and requirements will be continually updated by relevant faculties with the approval of senate.

e) Project/ Comprehensive Examination

<b>Code</b>	<b>Course Name</b>	<b>Credit Hour</b>
MIR6006	Project or TWO (2) additional courses and Comprehensive Examination	6
<b>TOTAL</b>		<b>6</b>

Students must choose either a project or TWO (2) additional courses, which are equivalent to SIX (6) credit hours, with a comprehensive examination (depending on university approval). The registration of the project will only be allowed after students have enrolled in at least EIGHT (8) courses, which are equivalent to 32 credit hours. For students opting for the comprehensive examination, they need to complete all the credit hours required for graduation. Given that the project is equivalent to six credit hours, students are required to enrol in additional or extra courses that should be equivalent to six credit hours.

The scope of questions of the comprehensive examination encompasses three study components, namely the research method, education, and specialization courses. The examination questions will be designed based on the synthesis of relevant components of such courses. A committee will be set up by the faculty to formulate the questions in any semester according to the registration of candidates. The results of this examination will be based on PASS or FAIL only.

However, students must obtain 65% of the total correct answers to pass the examination. Candidates will qualify to sit for the examination on the final semester of study. As such, candidates have to register for the comprehensive examination at the beginning of this



semester. Candidates will be allowed to resit the comprehensive examination only once, which will be on the following semester. If candidates fail for the second time, they are deemed to have failed in their study and, therefore, not qualified for graduation.

### Proposed Distribution of Courses based on Semester

The following table summarizes the proposed courses based on semester for full-time students pursuing studies under Mode C category. Nonetheless, students are not obligated to enrol in all the courses in each semester as listed in the table.

#### Master of Education (Internet Computing) - Mode C (Coursework)

Semester	Course	Course Name	Credit
1	Research	GRU60104 Educational Research Methods	4
	Education	MTP6014 Instructional Design Theories	4
	Field	MIS6014 Java for Internet	4
		MIN6014 Computer Network Administration	4
	TOTAL		16
2	Research	GRU6024 Multivariate Analysis of Variance (MANOVA)	4
	Education	MTP6034 Analysis of Technological Pedagogical Content Knowledge	4
		MTP6044 Technology and Innovation in ICT Education	4
	Field	MMG6014 Human-Computer Interaction Studies	4
	TOTAL		16
3	Elective	Any ONE (1) of the elective courses	4
	Project	MIR6006 Project Paper (Internet Computing)	6
	TOTAL		10
	OVERALL TOTAL		42

## CURRICULUM STRUCTURE

### MASTER OF EDUCATION (ART) – MT41

#### Master by Research (Mode A)

Course Requirement	Code	Course Name	Credit Hours
Mandatory	SSP59940	Thesis	40
<b>TOTAL</b>			<b>40</b>

\*\*Students are required to attend at least one course of research methodology throughout the study and meet the requirements of the audit course. Students may also be required to attend other courses on the Faculty's proposal and meet the audit course requirements.

#### **COURSE SYNOPSIS**

##### **GRU60104 Research Methods in Education**

This course introduces the concepts, theories and processes in research. The aspects covered include the identification of area and topic of research; research purposes; statement of the problem, the construction of the research questions/hypothesis; theories and models; literature review; methods of collecting and analyzing data; conclusions and recommendations; report writing and ethics in research.

\*\*Pre-requisite : Compulsory for Master by Research (Mode A) and Doctor of Philosophy (Ph.D) as an audit course.

##### **GRU6024 Multivariate Analysis of Variance (MANOVA)**

This course discusses various aspects of multivariate analysis of variance such as reasons in using MANOVA, assumption in MANOVA, one-factor and factorial MANOVA, MANCOVA, multiple and multivariate regression, discriminant analysis, factor analysis, and canonical correlation

##### **MTP6014 Instructional Design Theory**

This course discusses teaching and learning theories, ID models and the use of the ID models in the development of multimedia materials for teaching and learning.

##### **MTP6034 Analysis Technological Pedagogical Content Knowledge**

This course discuss the Technological Knowledge (TK), Pedagogical Content Knowledge (PCK), Technological Content Knowledge (TCK), Technological Pedagogical Knowledge (TPK), and Technological Pedagogical Content Knowledge (TPCK) and the relationship with the Content Knowledge (CK) and Pedagogical Knowledge (PK) required for teaching and learning. Based on the selected subject, the course discusses the structure content of the subject, prepared a table of specific teaching content and suggest a suitable teaching model for specific content.

**MTP6044 Technology and Innovation in ICT Education**

This course discusses the concept, theory, practice and management of technology and innovation; preparation and usage of teaching tool; choosing and evaluating teaching tool; and current issues on technology and innovation in education.

**MMG6014 Human-Computer Interaction Studies**

This course emphasizes on designing interactive and suitable interface for end users' purposes to support the way people communicate and interact in their everyday lives. It focuses on design, evaluation, and implementation of interactive interface design for system effectiveness, safety, learning ability and memorability.

**MMG6024 Graphics Design and Animation**

This course will emphasize on developing principles and designing techniques for producing attractive graphic, digital imaging, illustration & 2D and 3D animation for multimedia and web applications.

**MMS6014 Development of Web Application**

This course discusses the development of Web applications includes web servers, web application servers, web application development methods, client side and server side scripting, web application development techniques, web application security, session management, design patterns and reusable web application components.

**MMP6034 Multimedia Interactive Courseware Design**

This course emphasizes the development of interactive multimedia courseware based Instructional Design, Courseware Design and Multimedia Interface Design Principles

**MTP6024 Issues on ICT in Education**

This course discusses issues related to the use of ICT in education that includes ICT in educational management, ICT in teaching and learning, web-based learning, open source, ICT current issues and development, ethics and ICT network securities.

**MTS6014 Advanced Programming**

This course instills advanced programming skills using object-oriented programming (OOP) approach. OOP approach topics include OOP concepts, language constructs, classes and objects, function, inheritance, polymorphism and file.

**MTD6014 Object-Oriented Analysis and Design**

This course emphasizes object-oriented (OO) approaches to software development. Topics include UML notation, methods, competing methodologies, issues in OO development and recent advancements which complement traditional object-oriented methodologies.

**MTD6024 Information System Development**

This course discusses the concepts and principles in information systems development. Various methods, tools and techniques are used to develop information systems systematically via appropriate information system methodology.

**MIN6014 Computer Network Administration**

This course emphasizes on the principle of networking and inter networking including network media and architecture, data transmission, protocols and applications, the procedures on computer network management, the maintenance procedures of a computer network and socket programming.

**MIN6024 Network Security**

This course is to provide an understanding regarding the issues and practice that is involved in Network Security. Students will learn about the principle of network security, attacks that occur in network, vulnerability of operating system, web and wireless system and how the vulnerability can be overcome.

**MMR6006 Project**

This course requires students to carry out a project which is relevant to the area of specialization including the preparation of a research report in not more than two semesters.

**MTR6006 Project**

This course requires students to carry out a project which is relevant to the area of specialization including the preparation of a research report in not more than two semesters.

**MIR6006 Project**

This course requires students to carry out a project which is relevant to the area of specialization including the preparation of a research report in not more than two semesters.

## CURRICULUM STRUCTURE

### MASTER'S NON-EDUCATION PROGRAMS

The following are the master's non-education programs based on thesis courses, in which students are required to enrol according to the respective programs in each semester.

#### MASTER OF SCIENCE

##### Master by Research (Mode A)

Program Code	Program Name	Thesis Code	Course Name
MT62	Instructional Technology	MTT59941	Thesis
MT99	Computer Graphics and Animation	MTG59941	Thesis
MT106	Information System and Management	MTD59941	Thesis
MT107	Software Engineering	MTS59941	Thesis
MT167	Artificial Intelligence	MFR59941	Thesis

Note: Programs offered by the Department of Computing

#### MASTER OF ART

##### Master by Research (Mode A)

Program Code	Program Name	Thesis Code	Course Name
MT85	Fine Art Study	SSH59941	Thesis
MT86	Art History Study	SSS59941	Thesis
MT87	Visual Communication Study	SSV59941	Thesis
MT88	Design Study	SSR59941	Thesis
MT89	Craft Study	SSK59941	Thesis
MT90	Cultural Study	SSB59941	Thesis
MT129	Fine Art Studio	SST59941	Thesis

Note: Programs offered by the Department of Art

## MASTER OF DESIGN

### Master by Research (Mode A)

Program Code	Program Name	Thesis Code	Course Name
MT150	Multimedia Application	MMA59941	Thesis
MT151	Creative Branding	MVA59941	Thesis
MT152	Advertising	MVB59941	Thesis
MT154	Instructional Media	MMB59941	Thesis
MT156	Digital Games	MXA59941	Thesis
MT157	Game-Based Learning	MXB59941	Thesis

Note: Programs offered by the Department of Creative Multimedia

## CURRICULUM STRUCTURE

## DOCTOR OF PHILOSOPHY

The following are the doctoral programs based on thesis courses, in which students are required to enrol according the respective programs.

Program Code	Program Name	Thesis Code	Course Name
PT30	Multimedia Education	MTM79980	Thesis
PT36	Information Technology Education	MTK79980	Thesis
PT74	Internet Computing Education	MTI79980	Thesis
PT41	Art Education	MAE79980	Thesis
PT63	Fine Art Study	MAF79981	Thesis
PT64	Art History Study	MAH79981	Thesis
PT65	Cultural Study	MAC79981	Thesis
PT75	Information System and Management	MTD79981	Thesis
PT76	Internet and Web Computing	MTP79981	Thesis

PT129	Fine Art Studio	SST79981	Thesis
PT150	Multimedia Design	MMR79981	Thesis
PT151	Creative Branding	MMB79981	Thesis
PT152	Advertising	MMP79981	Thesis
PT153	Information Design	MMM79981	Thesis
PT154	Instructional Media	MMI79981	Thesis
PT155	New Media	MMN79981	Thesis
PT156	Digital Games	MMH79981	Thesis
PT157	Game-Based Learning	MME79981	Thesis
PT161	Artificial Intelligence	MIR79981	Thesis
PT166	Human-Computer Interaction	MMG79981	Thesis
PT168	Software Engineering	MER79981	Thesis
PT167	Creative Study	MMK79981	Thesis

### **IMPORTANT NOTES:**

#### **RESEARCH PROPOSAL PRESENTATION**

1. Students are required to attend at least one (1) presentation of research proposal before they present their research proposal.
2. The maximum period given to a PHD/master's degree student (by research and mixed mode) to present the research proposal is as follows:

<b>Study Status PHD /Master</b>	<b>Proposal present <u>before</u></b>
Full-Time	*Second semester (subsequent to registration of dissertation)
Part-Time	* Third semester (subsequent to registration of dissertation)

3. The Rather Unsatisfactory status will be given to students who fail to present their research proposal after the second semester (for full-time students) or third semester (for part-time students), despite having submitted the research progress report and being given the

Satisfactory status by the supervisor. The following are the prescribed levels of assessment for a student:

<b>Study Status PHD/ Master</b>		<b>Status received Status</b>
<i>After second semester (full-time)</i>  <i>After third semester (part-time)</i>	<i>First time</i>	<i>Rather Unsatisfactory (KM)</i>
<i>After third semester (full-time)</i>  <i>After fourth semester (part-time)</i>	<i>Second time</i>	<i>Unsatisfactory (TM )</i>
<i>After fourth semester (full-time))</i>  <i>After fifth semester (part-time)</i>	<i>Third time</i>	<i>Unsatisfactory and terminated (two consecutive times of Unsatisfactory status) (TM)</i>

## **RESEARCH FINDINGS PRESENTATION**

Students MUST present at least one (1) research findings before submitting the notice and preliminary thesis to IGS (for all PHD students and Master by research starting Semester 2 Session 2017/2018).

## **RESEARCH PROGRESS REPORT**

All PHD and Master Student MUST submit their research progress report online every semester.



## FACILITIES OF THE FACULTY

FACCI has an impressive array of laboratories and studios, which are strategically located around UPSI campus. In particular, the management centre of laboratories and studios occupies the Information Technology Building, which oversees the management and control of such facilities. The following table summarizes the name of buildings and the number of laboratories and studios for learning and teaching activities.

NO.	NAME OF BUILDING	NO. OF LABORATORIES
1	Information Technology Building	14
2	Integrated Knowledge Laboratory	8
3	Rahman Talib Building	1
4	Art Workshop: A	1
5	Art Workshop: B	1

All laboratories are fully equipped with the latest software and hardware to support the learning and teaching process. In addition, they are open for students to gain internet access to information and materials required for assignments, projects or research. The following table provides the details of the Information Technology laboratories.

No..	LABORATORY	NO. OF LABORATORY
1	Teaching and Learning Computer Laboratory (General)	12
2	Multimedia Laboratory	4
3	Animation Laboratory	1
4	Micro-Teaching Laboratory	1
5	Engineering Technology Laboratory	1
6	Postgraduates Computer Laboratory	2
7	Macintosh Laboratory	1
8	Robotic Laboratory	1
9	Electronic Laboratory	1
10	Animation Studio	1
11	Graphics Studio	1
12	Carpentry Studio	1
<b>TOTAL</b>		<b>27</b>

## MISCELLANEOUS FORMS

Please refer to FACCI website / IGS website to download miscellaneous forms.

## **STUDENT PERSONALITY**

Students must at all time comply with the student personality requirements as stipulated by the university rules when attending lectures in lecture halls and interacting with officers at the office counters. Students are also required to comply with the proper attire requirements when they are in the campus.

### **CONTACT ADDRESS**

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Website: <http://fskik.upsi.edu.my>

### **OFFICIAL WORKING HOURS**

Monday – Thursday :	8.00 am – 1.00 pm
	2.00 pm – 5.00 pm
Friday :	8.00 am – 12.15 pm
	2.45 pm – 5.00 pm

### **CLOSING**

This guidebook has been updated at the time of printing. Information contained therein may change from time to time due to amendments or additions of new information.

**Note:**

Information in this guidebook is accurate and valid at the time of printing. The faculty reserves the right to add new information or make amendments deemed necessary to the contents of the guidebook without giving prior notice to students.



UNIVERSITI  
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اوپوزسيوني فديديقيون سلطون اديريس

SULTAN IDRIS EDUCATION UNIVERSITY



**Fakulti Seni, Komputeran dan Industri Kreatif**  
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