



School of Education

Faculty of Social Sciences and Humanities

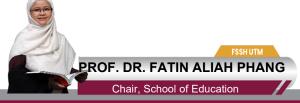
innovative • entrepreneurial • global





















UTM Johor Bahru



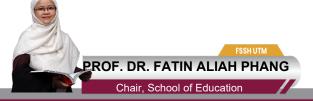




City campus Kuala Lumpur 18 hectares

















A PSYCHOLOGY

ASSOC, PROF. DR.

PANATIK = ABDUL RAHMAN



ASSOC, PROF. DR. HASBUL HISYAM HOR HUHAMAD



ASSOC. PROF. DR. HANITA HASSAN





ASSOC, PROP. DR HOHD, FAUZI ABU



ASSISTANT DEAM

GUALITY &

ASSOC. PROF. DR.

MAHOL DANKA

SHIES





KHAIRULL AZHI ISHAK

CONTINUING & THE

DR. LILY SURIANI

MOND ARIF

















ASSOC, PROF. DR. AZLINA

MOHO KOSNIN







EXTERNAL &

GLOBAL

ENGACEMENT

DR. ABDULLAN

MOHD MAW!

EDUCATIONAL FOUNDATION A SOCIAL SCIENCES

SCIENCE A MATHEMATICS CREATIVE

TECHNICAL AND

DR. IRMAWATI NOBAZNAN

PSYCHOLOGY DR. HOE AKHAR NORDIN

DR. AKMALIZA ABDULLAH

DR. ZUHANA HOHAMED ZIN

RES-CASIS (UTMILL) ASSOC, PROF. DR. WHALIF HUAMMAR A HARRIS

DE. HEHA ROSHENY MUSTAFA

SUBARI







LANGUAGE ACADEMY (UTHICL)

ASSOC, PROF, DR



DEPUTY DIRECTOR ACADEMY OF CIVILIZATION DR. SITI SUHAILA

INWAND



SHARIFAH FADZLINA

HELMY ALMUSAINI

(SENIOR) FSSH (UTHKL) FRISH (UTHIKL)



HAPIZUDDIN

ASST. REGISTRAR (SENIOR) POSTGRADUATE

HAZLINA STAM



ASST REGISTRAL UNDERGRADUATE **NORLITA HASSAN**



ASST. REGISTRAN HUMAN RESOURCE MASNIZAH OSMAN

ities.utm.my

Educating & Humanizing

AZIZ VAACOB

PROF. DR. FATIN ALIAH PHANG

Chair, School of Education

humanities.utm.my



Our tagline consists of two words that represent our brand promise. At the core of everything we do, whether through research, teaching, or community service, we are educators. The ultimate purpose of why we educate is based on the Malay concept of 'untuk menjadi orang', which literally means to become human. This concept is one that transcends the biological definition of being human, and embraces one where the term to become human means to embody all the virtues of humanity, and everything good that humanity stands for.









2020/2021 Quacquarelli Symonds (QS) World University Rankings

Ranked #187 in the World

Top 10 in South East Asia

Asia Top 10 Young Universities

Ranked #13 in the "Top 50 Under 50"

Ranked #39 in Asia

Ranked 5 Stars Overall Rating for QS Star Rating

Education & Training | Ranked 151-200 (#2 in Malaysia)

Ranked #108 in the 2021 Times Higher Education (THE) Emerging Economies University Rankings

2021 THE World University Rankings by Subject

Education | Ranked 126 – 150 (#2 in Malaysia)

Business & Economics | Ranked 201 – 250 (#2 in Malaysia)

Social Sciences | Ranked 176-200 (#1 in Malaysia)







PROF. DR. FATIN ALIAH PHANG



Vision

Mission

A Premier
University
Providing World-Class
Education and Research

To Develop Holistic Talents and Prosper Lives Through Knowledge and Innovative Technologies

Core Values

INTEGRITY SYNERGY EXCELLENCE SUSTAINABILITY

ST 1:

World-class
Holistic
Talents to
extend the
Frontier of
Education
and
Research

ST 2:

Creative
and Resilient
Performance
Delivery
Through
Emphatic
And Agile
Governance

ST 3:

Institutional
Growth through
Unique Niche
and
Specialisation
for
Long-term
Sustainability

ST 4:

Transformative
Life
Experiences
through
Knowledge
Empowerment
and Trust

ST 5:

Global Eminence as Malaysian Top Research University in 2025

Strategic Thrusts

S1 – Produce holistic talent by developing high quality graduates

S2 – Provide
continuous upskilling
and reskilling of
university staff to
achieve excellence in
education and
research

S3 – To inculcate UTM core values namely Integrity, Synergy, Excellence and Sustainability (ISES) into work and

management

ecosystem

S4 – Strengthen UTM's R&D&C&I capability and resilience to champion emerging knowledge and research areas

S5 – Nurture strategic nexus between Universiti-Industry-Government-Community (the quadruple helix) ecosystem to sustain university growth S6 – Provide sustainable campus experience to UTM's students, staff and surrounding community

S7 – Enculturate data driven culture with high level of trust in technology

\$8 – Achieve global eminence as a distinguished Malaysia Research University in-line with national and global agenda

Strategic Priorities

MENDIDIK Q MENDINSAN

Integrity

Integrity calls for adherence to sound moral values and strong ethical principles. This noble virtue must be internalised in our heart and soul, and manifested in our loyalty, character, conduct, deeds and action with wisdom and trustworthiness.

Excellence

Excellence towards high performance and delivery will result in outstanding and remarkable achievement in all aspects of teaching, learning, research, innovation, commercialisation and provision of services.



TOGETHER FOR ISES

2

Synergy

Synergy instills team spirit, togetherness, inclusivity, collegiality, respect, humility, cooperation and collaboration. It also cultivate selflessness, resulting from care and concern for others above self, while embracing diversity and appreciating differences. It also embodies empathy, the ability to share someone's feelings or experiences by walking in that person's situation.

Sustainability

Sustainability is reflected in the holistic drive by the campus community in integrating and balancing economic, social and environmental spheres to meet the current needs without compromising the ability to exist and survive continuously. It is the bulwark of resilience, the capacity to recover quickly from difficulties and therefore, the ability to maintain growth momentum.



UTM Core Values



happy empathy appreciate respon

варру сту

happy empathy appreciate responsible trust

happy empathy appreciate responsible trust

humanities.utm.my



f univteknologimalaysia



MENDIDIK & MENGINSAN

preciate res



The School of Education, FSSH was established in

August 1993

2

The faculty offers various educational programmes at the

first degree

until the

post-graduate
levels



Students are trained to equip themselves with the knowledge and skills in Information Communication Technology (ICT) and the use of Multimedia in Education.



The faculty offers courses which specialized in

Technical and Vocational Education

Science and Mathematics Education

Social Education



The implementation of the programs in the School of Education, FSSH is conducted in cooperation with other faculties in UTM.

ABOUT

the School of Education, FSSH

INTRODUCTION







AIMS OF THE SCHOOL OF EDUCATION

The aims of the School of Education are:

To provide specialized education in the teaching of science, information technology, multimedia in education and technical and vocational education.

To lead and produce methods and materials in the teaching and learning in order to enhance the acquisition of knowledge.

To provide services and consultations in different educational fields to fulfil the needs of customers.

To inculcate the culture of life-long learning.





CHAIR, SCHOOL OF EDUCATION

- Prof. Dr. Fatin Aliah Phang
- PhD in Education, University of Cambridge (2009)
- Specialization STEM Education, Engineering Education, Environmental Education
- Recipient of Top Research Scientist Malaysia (TRSM 2019)
- Member of Global Young Academy (GYA)
- Member of Young Scientists Network-Academy of Sciences Malaysia (YSN-ASM)

SEKOLAH PENDIDIKAN FAKULTI SAINS SOSIAL DAN KEMANUSIAAN

School of Education Faculty of Social Sciences and Humanities







DIRECTOR OF TECHNICAL & ENGINEERING EDUCATION

- Assoc. Prof. Ts. Dr. Aede Hatib Musta'amal & Jamal
- PhD in Design and Technology, University of Loughborough (2010)
- Specialization TVET Education, Design Thinking, Engineering Education, Mechanical Engineering
- Certified Professional Technologist (MBOT)
- Certified Energy Manager (ASEAN Energy Management Scheme)
- Certified Vocational Training Manager (Dept of Skill Development)

SEKOLAH PENDIDIKAN FAKULTI SAINS SOSIAL DAN KEMANUSIAAN

School of Education Faculty of Social Sciences and Humanities







DIRECTOR OF EDUCATIONAL FOUNDATION & SOCIAL SCIENCES

- Assoc. Prof. Dr. Mahani binti Mokhtar
- ■PhD in Education, University of Bristol (2011)
- ■Specialization Education and Development, Qualitative Research in Education
- Chairman, International Society for Educational Initiatives
- ■Recipient of Gold Medal Award in Innovative Practices in Higher Education (i-PHEX) 2014

SEKOLAH PENDIDIKAN FAKULTI SAINS SOSIAL DAN KEMANUSIAAN

School of Education Faculty of Social Sciences and Humanities







DIRECTOR OF SCIENCE & MATHEMATICS EDUCATION AND CREATIVE MULTIMEDIA

- Dr. Hasnah Mohamed
- ■PhD in Educational Technology, Universiti Teknologi Malaysia (2012)
- Specialization Educational technology, flipped classroom
- Academic Programme Auditor & Evaluator

SEKOLAH PENDIDIKAN FAKULTI SAINS SOSIAL DAN KEMANUSIAAN

School of Education Faculty of Social Sciences and Humanities







Chair School of Education

Prof. Dr. Fatin Aliah
Phang



Director Technical & Engineering Education

AP Dr. Aede Hatib

NDIDIK/ IS SOSI

iences and

Director Educational Foundation & Social Sciences

AP Dr. Mahani Mokhtar

Director Science & Maths Education & Creative Multimedia

Dr. Hasnah Mohamed





MODES OF PROGRAM STUDY

- Undergraduate program leading to become qualified teachers under the Ministry of Education / private schools / training institutes
- B Postgraduate program in various modes:
 - i. PhD programs (Full Research)
 - ii. Fast Track PhD programs (Full Research)
 - iii. Master programs
 - 1. Taught Course
 - Mixed Mode
 - 3. Full Research
 - **Other programs**
 - i. Open and Distance Learning (ODL) programs
 - ii. Special programs
 - iii. Remote PhD programs

PROF. DR. FATIN ALIAH PHANG





UNDERGRADUATE PROGRAMMES

Bachelor of Science with Education (with honours)

Physics

Chemistry

Mathematics

Sport Sciences

Bachelor of Technology with Education (with honours)

Building Construction

Electric & Electronics

Mechanical Engineering

Living Skills

Bachelor of Education (with honours)

Islamic Studies

Teaching of English as a Second Language (TESL)







POSTGRADUATE PROGRAMMES

Master of Education (M.Ed) & Doctor of Philosophy (Ph.D)

Management and Administration

Science Education

Guidance and Counselling

Chemistry Education

Curriculum and Instructions

Mathematics Education

Education and Development

Physics Education

Educational Psychology

Educational Technology | Online Learning | Multimedia Education

Measurement and Evaluation

Technical & Vocational Education

Higher Education Management

Teaching of English as a Second Language

Sports Sciences

Early Childhood Education

PROF. DR. FATIN ALIAH PHANG
Chair, School of Education





https://humanities.utm.my/education/







ONE BIG FAMILY

Undergraduate Students

957

Academic Staff

102

Postgraduate Students

1065

Academic Staff with Research

80%









RESEARCH GROUPS

SCHOOL OF EDUCATION

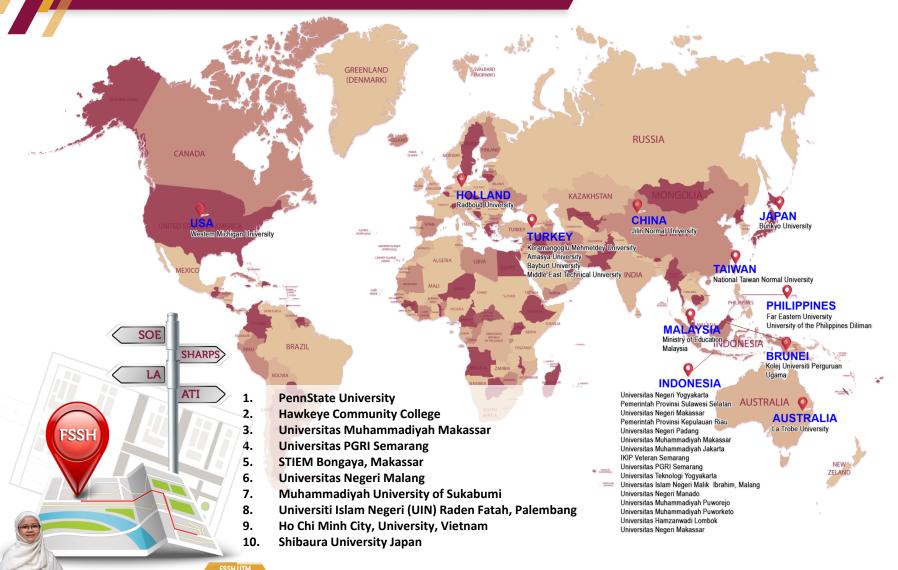
- Creative and Innovative Technology in Education (CITE)
- Educational Growth and Human Development (EGHD)
- Science and Mathematics Education (SME)
- Technical Vocational Education and Training (TVET)
- Higher Education (Higher Ed)



https://humanities.utm.my/education/

dan Kemanusiaan

TERNATIONAL **OUTLOOK**



PROF. DR. FATIN ALIAH PHANG

OUTSTANDING ALUMNI











PROF. DR. FATIN ALIAH PHANG

Chair, School of Education









EDUCATION FOUNDATION & SOCIAL SCIENCES

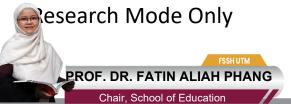
- Management and Administration [MHPA/MPPA / PPPA]
- Guidance and Counselling [MHPB/MPPB / PPPB]
- Curriculum and Instructions [MHPC/MPPC / PPPC]
- Education and Development [MHPD/MPPD / PPPD]
- Educational Psychology [MHPE/MPPE / PPPE]
- Measurement and Evaluation [MHPR/MPPU / PPPU]
- Teaching of English as a Second Language
 [MHPZ/MPPZ / PPPZ]
- *Generic [MPPG/ PPPG]



Assoc. Prof. Dr. Mahani Binti Mokhtar

Director

Education Foundation & Social Sciences
p-mahani@utm.my







SCIENCE AND MATHEMATICS EDUCATION, AND MULTIMEDIA CREATIVE

- Physics Education [MHPF / MPPF / PPPF]
- Chemistry Education [MHPK / MPPK / PPPK]
- Mathematics Education [MHPM / MPPM / PPPM]
- •Educational Technology [MHPP / MPPP / PPPP]



Dr Hasnah Mohamed
Director

Science and Mathematics Education, and Creative Multimedia

hasnah-m@utm.my







TECHNICAL AND ENGINEERING EDUCATION

Technical & Vocational Education
 [MHPV / MPPV / PPPV]



Assoc. Prof. Dr. Aede Hatib
Musta'amal @ Jamal
Director
Technical and Engineering Education
aede@utm.my





SoE PG Coordinators

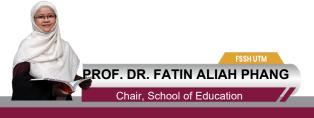


Management and Administration [MHPA / MPPA / PPPA]

- Dr. Jamilah Ahmad
- Jamilah_ahmad@utm.my

https://utm.webex.com/join/jamilah_ahmad/











Guidance and Counselling [MHPB / MPPB / PPPB]

- Dr. Tan Joo Siang
- joosiang@utm.my

https://utm.webex.com/join/joosiang/









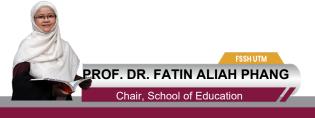


Curriculum and Instructions [MHPC / MPPC / PPPC]

- Assoc. Prof. Dr. Sanitah Yusof
- p-sanitah@utm.my

https://utm.webex.com/join/p-sanitah/







SoE PG Coordinators

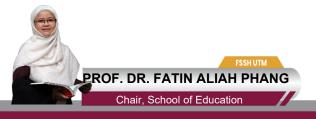


Education and Development [MHPD / MPPD / PPPD]

- Assoc. Prof. Dr. Zainudin Hassan
- p-zainudin@utm.my

https://utm.webex.com/join/p-zainudin/









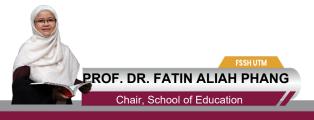


Educational Psychology [MHPE / MPPE / PPPE]

- Dr. Mohd Rustam Mohd Rameli
- mrustam2@utm.my

https://utm.webex.com/join/mrustam2/











Measurement and Evaluation [MHPR / MPPU / PPPU]

- Dr. Rohaya Talib
- rohayatalib@utm.my

https://utm.webex.com/join/rohayatalib/







SoE PG Coordinators

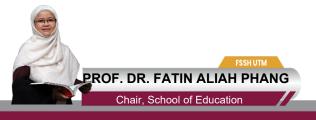


Physics Education [MHPF / MPPF / PPPF]

- Dr. Nor Farahwahidah Abdul Rahman
- nfwahidah@utm.my

https://utm.webex.com/join/nfwahidah/











Chemistry Education [MHPK / MPPK / PPPK]

- Dr. Corrienna Abdul Talib
- corrienna@utm.my

https://utm.webex.com/meet/DrCorrienna









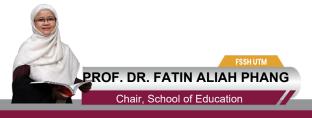


Mathematics Education [MHPM / MPPM / PPPM]

- Prof. Dr. Zaleha Ismail
- p-zaleha@utm.my

https://utm.webex.com/join/p-zaleha/







SoE PG Coordinators

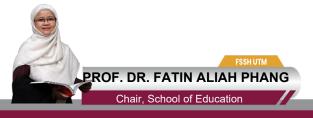


Educational Technology [MHPP / MPPP / PPPP]

- Dr. Norasykin Mohd Zaid
- norasykin@utm.my

https://utm.webex.com/join/norasykin/







SoE PG Coordinators



Educational Technology [MPPP] **ODL**

• Dr. Noor Dayana Halim

https://utm.webex.com/join/noordayana/









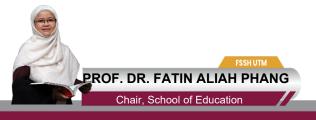


Technical & Vocational Education [MHPV / MPPV / PPPV]

- Assoc. Prof. Dr. Adnan Ahmad
- a-adnan@utm.my

https://utm.webex.com/join/a-adnan/









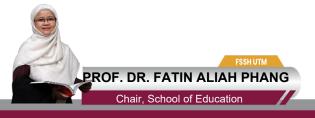


Generic [MPPG/ PPPG]

- Dr. Norazrena Abu Samah
- norazrena@utm.my

https://utm.webex.com/join/norazrena/







SoE PG Coordinators



Teaching of English as a Second Language [MHPZ / MPPZ / PPPZ] — Johor Bahru

- Dr. Nur Salwa Abd Wahid
 (Master Taught Course & Mixed Mode)
- nursalwa@utm.my

https://utm.webex.com/join/nursalwa/_



- Dr. Kew Si Na (Master Full Research & PhD)
- snkew@utm.my

https://utm.webex.com/meet/snkew





SoE PG Coordinators

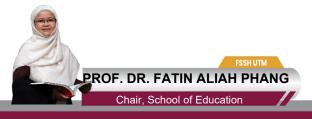


Teaching of English as a Second Language [MHPZ / MPPZ / PPPZ] — Kuala Lumpur

- Dr. Nurhasmiza Abu Hasan Sazali
- nurhasmiza.kl@utm.my

https://utm.webex.com/join/nurhasmiza.kl/





Organization Chart Postgraduate Academic Staff Faculty Social Sciences & Humanities





Mr. Khairul Azmi bin Ishak Deputy Registrar



Mdm. WANTI
VIVA VOCE Phd
SOE

Mr ARAFAT
VIVA VOCE PhD
ATI, LA, SHARPS



Mdm HERDA VIVA VOCE Master ATI, LA, SHARPS



Mdm AZILA 1st Assessment (Proposal Defends) ATI, LA, SHARPS



Ms. Hazlina bte Stam Senior Asst. Registrar FSSH JB



Mr. Hafizuddin bin Othman Asst. Registrar FSSH KL



1st
Assessment
(Proposal
Defends)
SOE



Mr FIRDAUS Taught Course Practicum Internship



Mdm. ROHAYA
Taught Course
Verification
Letter



Class Schedule Examination Schedule



FSSH University General Courses

FSSH PG Office JB, Level 2, Block D05

Website: https://humanities.utm.my/
Telephone (FSSH JB): +6019-710 1923, 07-

5532156, 07-5532205, 07-5532157

Telephone (FSSH KL): 03-2615 4928

RZS-CASIS: 03-2615 4406

humanities@utm.my / fssh@utm.my





Modes of Study

Master of Education (Sarjana Pendidikan)

- Full Course-Work [Kerja Kursus Sahaja] : M.Ed (Specialisation)
- Mixed mode [Kerja Kursus dan Penyelidikan] : M.Ed
- Full Research [Penyelidikan Sepenuhnya] : M.Phil

Doctor of Philosophy (Doktor Falsafah)

Full Research [Penyelidikan Sepenuhnya] : PhD

Form of Registration (Bentuk Pendaftaran)

- All students will be registered as Full-time students.
- Master by Taught Course/ Mixed Mode: Maximum credit per semester =
 20 credit hours









	MINIMUM	MAXIMUM
LEVEL OF STUDY	(REGISTERED SEMESTER)	(SEMESTERS)
Master Degree	2 (1 year)	8 (4 years)
Doctoral Degree	6 (3 years)	16 (8 years)





Grading System



Markah / <i>Mark</i> s	Gred / Grade	Mata Nilai / Points	Taraf Pencapaian Level of Achievement
90-100	A+	4.00	Lulus dengan Cemerlang
80-89	Α	4.00	Excellent Pass
75-79	A-	3.67	
70-74	B+	3.33	Lulus dengan Baik
65-69	В	3.00	Good Pass
60-64	B-	2.67	Lulus / Pass
55-59	C+	2.33	
45-49	C-	1.67	
40-44	D+	1.33	Gagal / Fail
35-39	D	1.00	
30-34	D-	0.67	
00-29	E	0.0	

PROF. DR. FATIN ALIAH PHANG



Taraf Kedudukan

Kedudukan

Gagal (KG)

Fail (KG)

Keria Kursus

CPA<2.67

Academic Standing

Kelavakan Meneruskan

Tidak Layak

Not Qualified

Credits are not transferable and the student are not allowed to

Gred Penvelidikan



Kelavakan

Tidak Layak

Not Qualified

Standing Level	(CPA) Taught Course (CPA)	Research Grade	Pengajian Qualification to Proceed with the Study	Pengurniaan Ijazah/ Qualification to be Awarded with the Degree
Kedudukan Baik	CPA≥3.0	Memuaskan (MM)/	Layak	Layak
(KB)		Satisfactory (MM)	Qualified	Qualified
Good Pass (KB)				
Kedudukan	2.67≤CPA<3.0	Tidak Memuaskan	Bersyarat/	Tidak Layak
Bersyarat (KS)		(TM)	Conditional	Not Qualified
Conditional Pass (KS)		Unsatisfactory (TM)		
		2 consecutive KS will lead to KG		

Students must obtain CPA≥3.0 to earn a master's or PhD degree

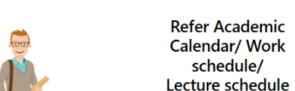
(Research students must obtain at least a B grade for the university elective course)

Gagal (GG)

Fail (GG)



UTM STUDENT'S TIMELINE (every semester)



Course Registration @ MyUTM Portal



LATE – Penalty <u>RM100 per</u> course

Failed to register - TERMINATED

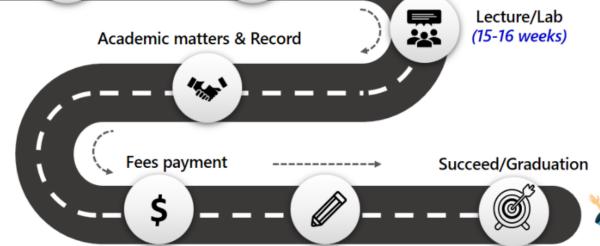
Deferment of Study

Change Program of Study

Change Type of Study

Credit Transfer

Withdrawal of Study



Evaluation/Examination (3 weeks)





Course Registration

- Student registration is different from subject registration. Registration of courses (subjects/ research) must be done online through the my.utm.my portal (Using UTM ID and password) every semester within the dates set by SPS (refer to academic calendar SPS or faculty website)
- Failure to register courses (if you do not postpone) can lead to dismissal from the programme.
- Students can only register if they have settled all debts with the university. (All financial matters are processed at the UTM Bursary office)
- Transfer of credit: students must apply (where applicable) for transfer of credit preferably at the beginning of the study period.

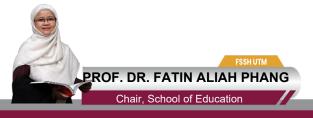




Course Registration



- Students need to repeat courses if they obtained less than B-. Students can replace the grade for elective courses with another elective course but they need to register manually and indicate a UM status to the course.
- Registration of HS courses should be done manually using the appropriate form.
- Registration of HW courses students need to select HW status during registration

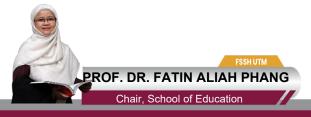




Student's status



- Active must register courses for the semester.
- <u>Postponement/ deferment</u> from study (need to fill in an application form). Semester deferred will be counted unless if it is based on medical reasons.
- Students are required to produce legitimate proof (medical leave or letter from government clinics or hospital) if applying deferment for medical reason. The semester in which the application is made will not be counted as part the study period.
- Withdrawal from study: students who intend to withdraw from the programme need to fill in the appropriate form. The student can reapply for the same programme in the future and can transfer the earned credits (up to 50%).





Important Resources



SPS website: http://sps.utm.my

- Academic Rules and Procedure
- Academic Calendar
- UTM Thesis manual

Faculty website:

- Time table for courses
- Important dates for Research Study I and II
- •Important dates for short courses and support programmes

https://humanities.utm.my/education/pg/academic-resources/







TAUGHT COURSE

MASTER OF EDUCATION (SPECIALISATION)

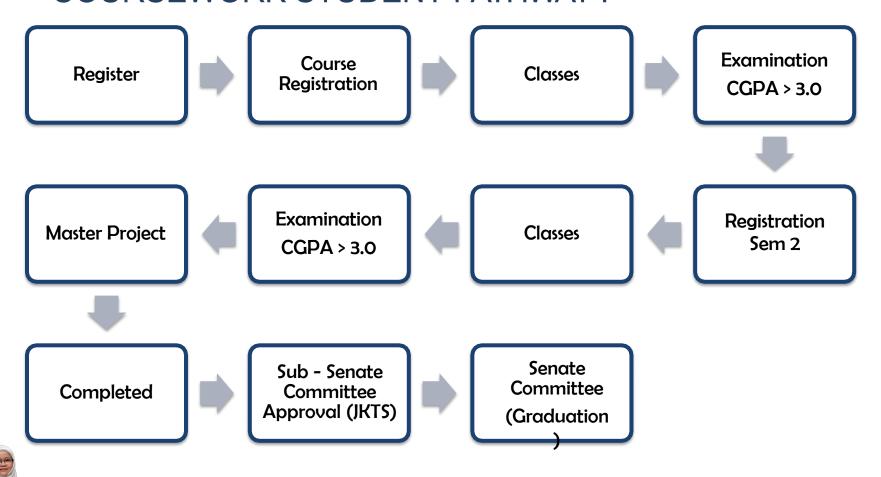








COURSEWORK STUDENT PATHWAY!





MASTER BY TAUGHT COURSE



Students are required to complete a total of 45 Credit Hours according to the following courses:

Course	Course Codes and Names		
University Elective (3 credits)	UP** **** University Elective (3 Credits)		
Faculty Compulsory Courses (11 credits)	MHPU 1024 Research Methods in Education (4 Credits) MHPU 1044 Research Data Analysis (4 Credits) MHPU 1013 Innovations in Learning and Teaching (3 Credits) *Except for MHPB: MHPB 1243 Counselling Practicum		
Research Project (10 credits) Programme Core (9 credits)	MHPT 1105 Research Study 1 MHPT 1205 Research Study 2 3 courses for all programmes		
Programme Electives (12 credits)	4 courses (minimum of 2 courses from student's programme – depending on student's programme – refer to list of elective courses by programme)		
Total credits	45		





University Elective Course

- compulsory for master and PhD programmes
- The School of Education offers UPPF 6033 (Dynamics of Leadership) as the University Elective Course. Nevertheless, students can also register for other university elective courses (refer to SPS website).
- PhD students who were UTM master's students can apply for transfer of credit for this course. Please do so before proposal defense.









Master (taught course)

MHPT1105

Research study I (proposal: chapter 1-3)

MHPT 1205

Research study II (all chapters 1-5)

- •You are advised to take MHPU 1024 (Research Methods in Education) before you register Research Study I and MHPU 1044 (Research Data Analysis) before you register Research Study II.
- •RS I and II must be taken towards the end of your study (RS II in your final semester).
- •RS I & RS II can not be registered in the same semester
- •Regular meetings with supervisor is required (marks given for attendance) and please check important dates (eg. date of submission) at the faculty's website (not SPS website). Supervisors have the right to fail students if they do not discuss their work even though students come up with the complete report at the end of the semester
- Supervisor Nomination Form https://humanities.utm.my/education/pg/wp-content/uploads/sites/31/2019/09/SV-Nomination-Form.pdf







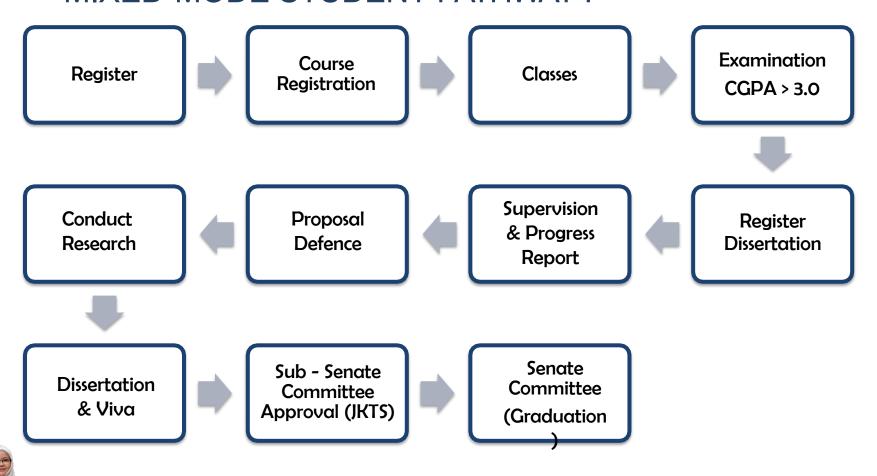
(MIXED MODE) MASTER OF EDUCATION







MIXED-MODE STUDENT PATHWAY!





Courses for Mixed Mode



Course	Course Codes and Names
University Elective (3 credits)	UP** ***3 (3 Credits)
Faculty Compulsory Courses (7 credits)	MPPU 1074: Research Methodology and Data Analyses in Education (4 Credits)
	MPPU 1003: Innovations in Learning and Teaching (3 Credits) *Except for Master of Education in Guidance and Counselling: MPPB 1243 Counselling Practicum
Programme Specialisation (12 credits)	4 courses (Refer to list of programme specialisation courses)
Dissertation (23 credits equivalent)	Register only after completing all courses

45 credits





Courses for Mixed Mode

Programme	Courses
Management and Administration (MPPA)	MPPA 1113: Theory of Organisation and Educational Management MPPA 1123: Leadership in Education MPPA 1133: School Management MPPA 1343: Managing Student Development
Guidance and Counselling (MPPB)	MPPB 1113: Counselling Theories MPPB 1123: Group Counselling MPPB 1133: Lab and Techniques in Counselling MPPB 1383: Counselling Ethics and Legislation MPPB 1243: Counselling Practicum
Curriculum and Instruction (MPPC)	MPPC 1103: Curriculum Foundations and Instructions MPPC 1113: Curriculum Planning and Management MPPC 1123: Curriculum Design and Development MPPC 1333: Theories and Changes in Curriculum



FSSHeart Courses for Mixed Mode



MPPS 1203: Testing and Evaluation in Science Education MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education	happy impulsy approach responsible but	UNIVERSITI TEKNOLOGI MALAYSIA
Development (MPPD) MPPD 1113 : Politics and Educational Planning MPPD 1123 : Economics of Education MPPD 1353: Education and Social Culture Change Educational Psychology MPPE 1113 : Cognitive Psychology MPPE 1123 : Advanced Educational Psychology MPPE 1233: Psychological Testing and Measurement MPPE 1233: Psychology Physics (MPPF) MPPF 1103: Design and Implementation of Physics Curriculum MPPS 1203: Testing and Evaluation in Science Education MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education	Programme	Courses
MPPD 1113 : Politics and Educational Planning MPPD 1123 : Economics of Education MPPD 1353: Education and Social Culture Change Educational Psychology (MPPE) MPPE 1113 : Cognitive Psychology MPPE 1123 : Advanced Educational Psychology MPPE 1233: Psychological Testing and Measurement MPPE 1343: Social Psychology Physics (MPPF) MPPF 1103: Design and Implementation of Physics Curriculum MPPS 1203: Testing and Evaluation in Science Education MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education		MPPD 1103 :Fundamentals of Education and Development
Educational Psychology (MPPE) MPPE 1113 : Cognitive Psychology MPPE 1123 : Advanced Educational Psychology MPPE 1233: Psychological Testing and Measurement MPPE 1343: Social Psychology MPPF 1103: Design and Implementation of Physics Curriculum MPPS 1203: Testing and Evaluation in Science Education MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education Chemistry (MPPK) MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education	Development (MPPD)	MPPD 1113 : Politics and Educational Planning
Educational Psychology (MPPE) MPPE 1113 : Cognitive Psychology MPPE 1123 : Advanced Educational Psychology MPPE 1233: Psychological Testing and Measurement MPPE 1343: Social Psychology Physics (MPPF) MPPF 1103: Design and Implementation of Physics Curriculum MPPS 1203: Testing and Evaluation in Science Education MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education Chemistry (MPPK) MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education		MPPD 1123 : Economics of Education
MPPE 1123 : Advanced Educational Psychology MPPE 1233: Psychological Testing and Measurement MPPE 1343: Social Psychology Physics (MPPF) MPPF 1103: Design and Implementation of Physics Curriculum MPPS 1203: Testing and Evaluation in Science Education MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education Chemistry (MPPK) MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education		MPPD 1353: Education and Social Culture Change
MPPE 1233: Psychological Testing and Measurement MPPE 1343: Social Psychology MPPF 1103: Design and Implementation of Physics Curriculum MPPS 1203: Testing and Evaluation in Science Education MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education	Educational Psychology	MPPE 1113 : Cognitive Psychology
MPPE 1343: Social Psychology MPPF 1103: Design and Implementation of Physics Curriculum MPPS 1203: Testing and Evaluation in Science Education MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education Chemistry (MPPK) MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education	(MPPE)	MPPE 1123 : Advanced Educational Psychology
Physics (MPPF) MPPF 1103: Design and Implementation of Physics Curriculum MPPS 1203: Testing and Evaluation in Science Education MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education Chemistry (MPPK) MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education		MPPE 1233: Psychological Testing and Measurement
MPPS 1203: Testing and Evaluation in Science Education MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education		MPPE 1343: Social Psychology
MPPF 1113: Teaching and Learning Models in Physics MPPF 1343: Technology in Physics Education MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education	Physics (MPPF)	MPPF 1103: Design and Implementation of Physics Curriculum
MPPF 1343: Technology in Physics Education Chemistry (MPPK) MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education		MPPS 1203: Testing and Evaluation in Science Education
Chemistry (MPPK) MPPK 1103: Design and Implementation Process of Chemistry Curriculum MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education		MPPF 1113: Teaching and Learning Models in Physics
MPPK 1113: Models of Teaching and Learning in Chemistry MPPS 1203: Testing and Evaluation in Science Education		MPPF 1343: Technology in Physics Education
MPPS 1203: Testing and Evaluation in Science Education	Chemistry (MPPK)	MPPK 1103: Design and Implementation Process of Chemistry Curriculum
		MPPK 1113: Models of Teaching and Learning in Chemistry
MPDK 1242: Technology in Chamistry Education		MPPS 1203: Testing and Evaluation in Science Education
IVIPPR 1343: Technology in Chemistry Education Mendidik & Mendidik & Mendinsan		MPPK 1343: Technology in Chemistry Education



Courses for Mixed Mode



Programme	Courses
Mathematics (MPPM)	MPPM 1113: Design and Implementation Process of Mathematics Curriculum MPPM 1223: Assessment in Mathematics Education MPPM 1103: Teaching and Learning Models in Mathematics MPPM 1353: Technology in Mathematics Education
Educational Technology (MPPP)	MPPP 1203: Educational Technology Foundation and Research MPPP 1213: Technology and Media Design MPPP 1223: Authoring System MPPP 1333: Organization and Resource Management
Measurement and Evaluation (MPPU)	MPPR 1103: Introduction to Measurement and Evaluation MPPR 1113: Testing in Teaching and Guidance MPPR 1123: Programme Evaluation MPPR 1303: Application of Measurement and Evaluation in Research
Technical and Vocational Education (MPPV)	MPPV 1103: Philosophy in TVE MPPV 1113: Curriculum Design in PTV MPPV 1123: Programme Evaluation in TVE MPPV 1323: Supervision in TVE
Teaching English as a Second Language / TESL (MPPZ)	MPPZ 1103: Second Language Acquisition MPPZ 1113: Language Teaching Methodology MPPZ 1123: Description of English MPPZ 1353: Seminar



Dissertation Code Master of Education (Mixed Mode)



Semester / Year	Dissertation Code
Semester 1 Year 1 (Semester 1)	
Semester 2 Year 1 (Semester 2)	
Semester 1 Year 2 (Semester 3)	* MPPT 2180
Semester 2 Year 2 (Semester 4)	* MPPT 2280
Semester 1 Year 3 (Semester 5)	* MPPT 3180
Semester 2 Year 3 (Semester 6)	* MPPT 3280
Semester 1 Year 4 (Semester 7)	* MPPT 4180
Semester 2 Year 4 (Semester 8)	* MPPT 4280



Master's Dissertation



- Students must complete all taught course elements before registering for dissertation.
- Please refer to the dissertation code guideline when registering for your dissertation.
- Progress report should be submitted every semester starting the semester you register your dissertation.
- Proposal presentation (internal examiners)
- Viva voce (internal examiners)
- Proposal and viva voce can be done in the same semester











Register



Research Under Supervision



Progress Report Every Semester



Proposal
Presentation &
Evaluation



VIVA - VOCE



Thesis Submission for Examination



Appointment of Examiner (JAPSU)



Notification of Thesis Submission (3 Month)

Correction



Resubmission



Sub - Senate Committee Approval (JKTS)



Senate Committee (Graduation





Master by Research



(All Programs)

Course Category	Code	Course	Credit
University Elective (1 course)	U xxx3	(Students are free to choose any one course enlisted as university elective course. Please refer to the SPS website for the list of university elective courses).	3
		www.sps.utm.my * Students are advised to take this subject at the beginning of their study	
Faculty Compulsory	UHPP 0010	Research Methodology and Data Analysis (*pre requisite for proposal assessment)	HW
(3 courses)	MPPU 1070	Critical Analysis	HW
	MPPU 1080	Academic Writing	HW
Master Research	MPPT xxxx Please refer to research code by semester	Thesis	





Thesis Code Master of Education (Full Research)

Semester / Year	Master Thesis Code
Semester 1 Year 1 (Semester 1)	MPPT 1100
Semester 2 Year 1 (Semester 2)	MPPT 1200
Semester 1 Year 2 (Semester 3)	MPPT 2100
Semester 2 Year 2 (Semester 4)	MPPT 2200
Semester 1 Year 3 (Semester 5)	MPPT 3100
Semester 2 Year 3 (Semester 6)	MPPT 3200
Semester 1 Year 4 (Semester 7)	MPPT 4100
Semester 2 Year 4 (Semester 8)	MPPT 4200



Master's thesis



- -Students must register research code every semester, starting from the first semester. Make sure you register the right code.
- -Progress report every semester (GSMS online)
- -Students must submit their **proposals** by the end of their 2nd semester.
- -Proposal presentation (2 internal examiners)
- -Conversion to PhD terms and condition applied
- -Viva voce (1 internal and 1 external examiners)
- Viva voce
- -NOTICE for thesis submission 3 months prior to submission (GSMS)
- -Students are required to publish in at least one refereed journal/ book chapter/ proceeding before being able to submit
- -Plagiarism check (eg: turnitin report) each chapter and overall
- -Students must have at least be active for 2 semesters before submitting their thesis.





Doctor of Philosophy (By Research for All Programs)



Course Category	Code	Course	Credit
University Elective (1 course)	U xxx3	(Students are free to choose any one course enlisted as university elective course. Please refer to the SPS website for the list of university elective courses). www.sps.utm.my University Elective course offered by the School of Education: UPPF 6033 (Dynamic Leadership)	3
Faculty Compulsory (3 courses)	UHPP 0010 MPPU 1070 MPPU 1080	Research Methodology and Data Analysis Critical Analysis Academic Writing	HW HW HW
Research	PPPT xxxx Please refer to research code by semester	PhD Thesis	



Research Codes for PhD



Semester / Year	PhD Thesis Code
Semester 1 Year 1 (Semester 1)	PPPT 1100
Semester 2 Year 1 (Semester 2)	PPPT 1200
Semester 1 Year 2 (Semester 3)	PPPT 2100
Semester 2 Year 2 (Semester 4)	PPPT 2200
Semester 1 Year 3 (Semester 5)	PPPT 3100
Semester 2 Year 3 (Semester 6)	PPPT 3200
Semester 1 Year 4 (Semester 7)	PPPT 4100
Semester 2 Year 4 (Semester 8)	PPPT 4200
Semester 1 Year 5 (Semester 9)	PPPT 5100
Semester 2 Year 5 (Semester 10)	PPPT 5200
Semester 1 Year 6 (Semester 11)	PPPT 6100
Semester 2 Year 6 (Semester 12)	PPPT 6200
Semester 1 Year 7 (Semester 13)	PPPT 7100
Semester 2 Year 7 (Semester 14)	PPPT 7200
Semester 1 Year 8 (Semester 15)	PPPT 8100
Semester 2 Year 8 (Semester 16)	PPPT 8200



Progress Report



- Students are required to register their research code every semester starting semester one. Make sure you register the right code.
- Progress report for every semester GSMS system
- Students must submit their proposal to the faculty by the end of their 3rd semester.
- Graduate on Time (GOT):
 42 months (MYRA II); 48 months (KPM)
 - Period: from registration to Senate endorsement





GRADUATE ON TIME (GOT) PATH



Y1

1st Sem

(i) Class

University Course & Research

Methodology

(ii) Research
Literature Review

Dictional Review

(iii) Structured Course PGSS

> Structured Course

(iv) Progress Report

Y1

2nd Sem

(i) Research

Problem Statement, Gaps and Contributions, Methodology

(ii) Publications

Systematic Review Paper

(ii) Proposal submission

Proposal submission notice

(iv) Progress Report

Y2

1st Sem

(i) Research Proposal Defense

(ii) Structured Course

PGSS Structured Course

(iii) Publications

Conceptual Paper

(iv) Progress Report

Y2

2nd Sem

(i) Research

Data Collection/ Experiment

(ii) Publications

Preliminary data

(iii) Progress Report

Y3

1st Sem

(i) Research

Data Analysis and Conclusion,

(ii) Structured Course

PGSS Structured Course V

(iii) Publications

Full Length Paper

(iv) Progress Report

Y3

2nd Sem

(i) Research

Thesis submission; Filling of IP or copyright

(ii) Publications

Full Length Paper

(iii) Progress Report

PROF. DR. FATIN ALIAH PHANG
Chair, School of Education





COMPULSORY PROPOSAL SUBMISSION

- To ensure students can complete their studies within the reasonable timeframe, beginning of Sem II 2020/2021, it is compulsory for research students to submit their proposal for the 1st assessment on specific semester:
 - PhD semester 4
 - Master by research semester 3
- Failure to submit would lead to unsatisfactory status (TM)
- Students' proposal can be written and submitted in accordance with the minimum standard of approximately 40 pages as endorsed by the faculty's Academic Committee. But please abide by the format of academic writing.





General Guide



A proposal around 40 pages

Master Taught Course

- More critical than UG FYP / PSM
- Understand and able to apply knowledge & skills in educational research
- 80-100 pages
- Proposal to be checked by supervisor
- Report to be checked by supervisor and 1 examiner
- 2 semesters

Master Mixed Mode

- More critical than Master Taught Course Project
- Critically discuss issues with sufficient evidence
- 40k-50k words
- Proposal defense with 2 internal examiners
- Viva with 2 internal examiners
- Not more than 2 hours

Master Full Research

- Should enrich the body of knowledge
- Extensive literature
- Rigorous research methodology
- 50k-60k words
- Proposal defense with 2 internal examiners
- Viva with 1 internal and 1 external examiners

PhD

- Should contribute to new knowledge
- Strong theoretical framework
- Rigorous research methodology
- 70k-80k words
- Not more than 300 pages
- Proposal defense with 2 internal examiners
- Viva with 1 internal and 1 external examiners (at least Assoc. Prof.)

FSSH UTM



THESIS SUBMISSION



- * NOTICE for thesis submission: 3 months prior to submission
- * Plagiarism check (eg: turnitin report) each chapter and overall
- * Normal submission : after 36 months (3 years) Students are required to publish in at least one Scopus indexed journal or two Scopus listed proceedings before being able to submit.
- * Students will be given a V (examination) status once they submit their thesis. Submission of thesis must be done within the study period.







Publication Requirement for Normal Thesis Submission

Level of Study	Publication Requirement
Master by Research	A master by research candidate may submit his/her thesis for vivavoce provided that he/she produced at least one (1) accepted or published publication from journal article, conference proceeding or book chapter.
Doctor of Philosophy	Student has come out with at least one (1) published article that has been accepted or published in a journal indexed on the Web of Science. OR
	Student has come out with at least two (2) published articles that have been accepted or published in journals indexed in SCOPUS/ERA/journals listed in myJurnal (Malaysian Journal Management System) from MyCite (Malaysian Citation Center).

FSSHEOrt Planning your study and getting info (all students)

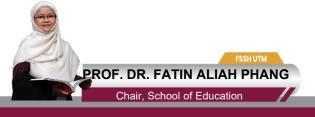
- Plan your study well and be proactive.
- Identify your academic advisor / supervisor as soon as you can and discuss your study plan.
- * Master taught course: academic advisor/supervisor will be assigned. List of student and supervisor will be in the faculty website by week 4.
- * Full research students make sure you have already been assigned a supervisor.
- Study the UTM Postgraduate Academic Rules and Regulations and other important information (http://www.sps.utm.my)
- Check for updates in the faculty's website (https://humanities.utm.my/education/pg/academic-resources/)





Academic Calender

- You can check important dates in the academic calendar. Academic calendar for research students is different from other students (sps website)
- Please follow the correct procedures for PG management processes (e.g. change of supervisor). Forms can be downloaded from the sps website (softcopy). Hardcopies of forms are also available at the academic office.



IMPORTANT DATES OF COURSE REGISTRATION FOR POSTGRADUATE PROGRAMME SEMESTER I, 2021/2022 SESSION

AMENDMENT OF COURSE REGISTRATION (ONLINE)

19 - 25 OCTOBER 2021

AMENDMENT OF COURSE REGISTRATION (WITH PENALTY)

2 - 8 NOVEMBER 2021

(With penalty RM100 per course)

FACULTY CHECK & REMIND STUDENTS WHO DID NOT REGISTER COURSES

JB: 21 NOV - 23 DEC 2021

KL: 22 NOV - 24 DEC 2021

COURSE REGISTRATION (ONLINE)

3 - 18 OCTOBER 2021

LATE COURSE REGISTRATION (WITH PENALTY)

26 OCTOBER - 1 NOVEMBER 2021

(With penalty RM100 per course)

COURSE WITHDRAWAL (TD)

JB: 21 NOV - 16 DEC 2021 KL: 22 NOV - 17 DEC 2021

(A penalty RM 100 per course will be charged after this date)

A student must register a course/ research every semester. Those who <u>fail to register</u> without acceptable reasons will be <u>TERMINATED</u>

Prepared by AMD | Sept 2021

https://amd.utm.my/work-schedule-pg/

https://humanities.utm.my/

PROF. DR. FATIN ALIAH PHANG

Chair, School of Education

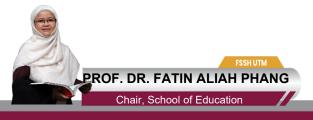
humanities.utm.my







Postgraduate Student Society (PGSS)





Students' Activities



MENDIDIK & MENGINSAN

- International Education Postgraduate Seminar (IEPS)
- Seminars / colloquium
- PG Camp



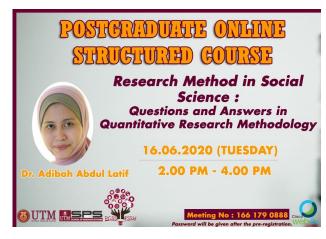






Student Support Programmes

- Postgraduate Student Society
- Research methodology courses
- Software for data analyses training (e.g. Rasch model, AMOS, NVIVO)
- Public Lectures
- Seminars
- 3 minutes competition











ACADEMIC EXCELLENCE



Minimum Requirements for Academic Awards



PROGRAM	VIVA	DISSERTATION	RESEARCH PROJECT	СРА	STUDY DURATION
PHD	A, B1 & B2				Max 48 months
MASTER (RESEARCH)	A, B1 & B2				Max 30 months
MASTER (MIXED MODE)		A, B1 & B2		Min 3.75	Max 30 months
MASTER (TAUGHT COURSE)			A+, A & A-	Min 3.75	Max 24 months

Log in to apply at pgs.utm.my/gams if received an email from the university

- Chancellor Award 1 PhD from social sciences
- Pro-Chancellor Award 2 PhD, Master FR, MM & TC each
- MTDC Innovation Excellent Award 1 PhD
- Alumni award 1 PG from social sciences
- Best PG Student Awards

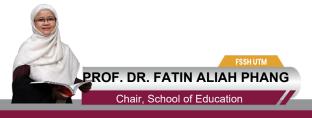




Important links



- http://www.sps.utm.my/
- https://humanities.utm.my/education/pg/academic-resources/
- https://humanities.utm.my/new-student-info/
- Join PG FSSH Telegram Group to get latest updates: <u>https://t.me/joinchat/dhZtFh1PFhI4ZjFl</u>





Meet the Programme Coordinators



Program	Coordinator	Email	Online Link
MHPA/MPPA/PPPA	JAMILAH BINTI AHMAD	jamilah_ahmad@utm.my	https://utm.webex.com/join/jamilah_ahmad/
MHPB/MPPB/PPPB	TAN JOO SIANG	joosiang@utm.my	https://utm.webex.com/join/joosiang/
MHPC/MPPC/PPPC	SANITAH BTE MOHD YUSOF	p-sanitah@utm.my	https://utm.webex.com/join/p-sanitah/
MHPD/MPPD/PPPD	ZAINUDIN BIN HASSAN	p-zainudin@utm.my	https://utm.webex.com/join/p-zainudin/
MHPE/MPPE/PPPE	MOHD RUSTAM BIN MOHD RAMELI	mrustam2@utm.my	https://utm.webex.com/join/mrustam2/
MHPF/MPPF/PPPF	NOR FARAHWAHIDAH BINTI ABDUL RAHMAN	nfwahidah@utm.my	https://utm.webex.com/meet/nfwahidah
MHPK/MPPK/PPPK	CORRIENNA BINTI ABDUL TALIB	corrienna@utm.my	https://utm.webex.com/meet/DrCorrienna
MHPM/MPPM/PPP M	ZALEHA BINTI ISMAIL	p-zaleha@utm.my	https://utm.webex.com/join/p-zaleha/
MHPP/MPPP/PPPP	NORASYKIN BINTI MOHD ZAID	norasykin@utm.my	https://utm.webex.com/join/norasykin/
MPPP ODL	NOOR DAYANA BINTI ABD HALIM	noordayana@utm.my	https://utm.webex.com/join/noordayana/
MHPR/MPPU/PPPU	ROHAYA BINTI TALIB	rohayatalib@utm.my	https://utm.webex.com/join/rohayatalib/
MHPV/MPPV/PPPV	ADNAN AHMAD	a-adnan@utm.my	https://utm.webex.com/join/a-adnan/
MPPG/PPPG	NORAZRENA ABU SAMAH	norazrena@utm.my	https://utm.webex.com/join/norazrena/
MHPZ1/MPPZ2 – JB	NUR SALWA ABD WAHID	nursalwa@utm.my	https://utm.webex.com/join/nursalwa/
MPPZ3/PPPZ –JB	KEW SI NA	snkew@utm.my	https://utm.webex.com/meet/snkew
MHPZ/MPPZ/PPPZ - KL	NURHASMIZA ABU HASAN SAZALI	nurhasmiza.kl@utm.my	https://utm.webex.com/join/nurhasmiza.kl/