



# MASTER OF EDUCATION PROGRAMMES

School of Education  
Universiti Teknologi Malaysia



## MASTER PROGRAMMES

### Type of study

Taught Course	-	Master of Education (Programme Specialisation)
Mixed Mode	-	Master of Education
Full Research	-	Master of Philosophy

### Degree Awarded

### Mode of Study

**Full Time** : **2 to 8 semesters**

### Duration

Maximum credit hrs taken per semester FT: 3(min) - 20 (max)



# TAUGHT COURSE

## MASTER OF EDUCATION (SPECIALISATION)

### MASTER BY TAUGHT COURSE

Students are required to complete a total of 45 Credit Hours according to the following course elements



Course	Course Codes and Names
University Elective (3 credits)	U-- xxx3 (3 Credits)
Faculty Compulsory Courses (11 credits)	MPPU 1024 Research Methods in Education (4 Credits)
	MPPU 1034 Application of Statics in Educational Research (4 Credits)
	MPPU 1003 Innovations in Learning and Teaching (3 Credits)
	*Except for MPPB : MPPB 1243 Counselling Practicum
Research Project (10 credits)	MPPT 1105 Research Study 1
	MPPT 1205 Research Study 2
Programme Core (9 credits)	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 Faculty of Education offers UPPF 6033 (Dynamics of Leadership) as the University Elective Course .
- However, students are free to choose other courses. Please refer to SPS website for other available courses

<http://sps.utm.my>

<http://admission.utm.my>

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Management and Administration (MPPA)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPA 1113	Theory of Organisation and Educational Management	3
MPPA 1123	Leadership in Education	3
MPPA 1133	School Management	3

#### Electives

COURSE CODES	COURSE NAMES	CREDIT
MPPA 1343	Managing Student Development	3
MPPA 1353	Educational Supervision	3
MPPA 1323	Training and Development	3
MPPA 1333	Practicum in School Administration	3
MPPA 1313	Human Resource Management in Education	3
MPPA 1363	Quality Management in Education	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Guidance and Counselling (MPPB)

#### Core

<b>MPPB 1113</b>	Counselling Theories	3
<b>MPPB 1123</b>	Group Counselling	3
<b>MPPB 1133</b>	Lab and Techniques in Counselling	3
<b>MPPB 1113</b>	Counselling Theories	3

### Guidance and Counselling (MPPB)



#### Electives

COURSE CODES	COURSE NAMES	CREDIT
<b>MPPB 1313</b>	Multicultural Counselling	3
<b>MPPB 1323</b>	Career Counselling	3
<b>MPPB 1333</b>	Evaluation in Counselling	3
<b>MPPB 1343</b>	Career Development	3
<b>MPPB 1383</b>	Counselling Ethics and Legislation	3
Students opting for the Malaysian Board of Counsellor curriculum requirement (for license application) should take all the elective courses listed for MPB programme above plus these three additional courses. (Total Credit : 60 credits)		
<b>*MPPE 1353</b>	Psychology of Personality	3
<b>*MPPE 1233</b>	Psychological Testing and Measurement	3
<b>*MPPB 1376</b>	Internship	6

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Curriculum & Instruction (MPPC)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPC 1103	Curriculum Foundations and Instructions	3
MPPC 1113	Curriculum Planning and Management	3
MPPC 1123	Curriculum Design and Development	3

#### Electives

COURSE CODES	COURSE NAMES	CREDIT
MPPC 1303	Curriculum Evaluation	3
MPPC 1313	Philosophy and Curriculum Thoughts	3
MPPC 1323	Instructional Design	3
MPPC 1333	Theories and Changes in Curriculum	3
MPPC 1343	Philosophical Conception of Teaching and Learning	3
MPPC 1353	Globalisation, Comparative and International Education	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Education and Development (MPPD)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPD 1103	Fundamentals of Education and Development	3
MPPD 1113	Politics and Educational Planning	3
MPPD 1123	Economics of Education	3

#### Electives

COURSE CODES	COURSE NAMES	CREDIT
MPPD 1343	Women and Development	3
MPPD 1353	Education and Social Culture Change	3
MPPD 1313	Organisational Development	3
MPPD 1323	Educational Issues in Family Development	3
MPPD 1303	Issues of Moral Development	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Educational Psychology (MPPE)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPE 1113	Cognitive Psychology	3
MPPE 1123	Advanced Educational Psychology	3
MPPE 1233	Psychological Testing and Measurement	3

#### Electives

COURSE CODES	COURSE NAMES	CREDIT
MPPE 1313	Theories of Motivation	3
MPPE 1323	Behaviour Disorder	3
MPPE 1333	Human Development	3
MPPE 1343	Social Psychology	3
MPPE 1353	Psychology of Personality	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Physics (MPPF)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPF 1103	Design and Implementation of Physics Curriculum	3
MPPS 1203	Testing and Evaluation in Science Education	3
MPPF 1113	Teaching and Learning Models in Physics	3

#### Electives

COURSE CODES	COURSE NAMES	CREDIT
MPPF 1343	Technology in Physics Education	3
MPPF 1333	Problem Solving in Physics Education	3
MPPS 1303	Philosophical Issues in Science , Mathematics and Technology	3
MPPF 1323	Current Issues in Physics Education	3
MPPF 1313	Innovation and Creativity in Physics Education	3
MPPS 1363	Teaching Reflection in Science Education	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Chemistry (MPPK)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPK 1103	Design and Implementation Process of Chemistry Curriculum	3
MPPK 1113	Models of Teaching and Learning in Chemistry	3
MPPS 1203	Testing and Evaluation in Science Education	3

#### Electives

COURSE CODES	COURSE NAMES	CREDIT
MPPK 1353	Problem Solving in Chemistry	3
MPPS 1303	Philosophical Issues in Science , Mathematics and Technology	3
MPPK 1333	Current Issues in Chemistry Education	3
MPPK 1313	Innovation and Creativity in Chemistry Education	3
MPPK 1343	Technology in Chemistry Education	3
MPPS 1363	Teaching Reflection in Science Education	3
MPPK 1323	Thinking Skills in Chemistry Education	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Mathematics (MPPM)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPM 1113	Design and Implementation Process of Mathematics Curriculum	3
MPPM 1223	Assessment in Mathematics Education	3
MPPM 1103	Teaching and Learning Models in Mathematics	3

#### Electives

COURSE CODES	COURSE NAMES	CREDIT
MPPM1323	Problem Solving in Mathematics	3
MPPS 1303	Philosophical Issues in Science , Mathematics and Technology	3
MPPM 1343	Current Issues in Mathematics Education	3
MPPM 1353	Technology in Mathematics Education	3
MPPM 1313	Mathematics Teaching in Primary and Secondary Schools	3
MPPM 1363	Thinking Skills in Mathematics Education	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Educational Technology (MPPP)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPP 1203	Educational Technology Foundation and Research	MPPP 1203
MPPP 1213	Technology and Media Design	MPPP 1213
MPPP 1223	Authoring System	MPPP 1223

#### Electives

*Choose ONE course from each specialisation (4 specialisations)*

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Elective: Specialisation areas (Edu. Tech)

#### Specialisation1: Multimedia Development

MPPP 1303	Digital Learning Object Development	3
MPPP 1313	Mobile Learning Application Development	3
MPPP 1323	System Development	3

#### Specialisation 2: Resource Management and Computer Network

MPPP 1333	Organization and Resource Management	3
MPPP 1343	Information Management System and Learning Materials	3
MPPP 1353	Management of Computer Network and Telecommunication	3



## CORE AND ELECTIVE COURSES BY PROGRAMME



### Elective: Specialisation areas (Edu. Tech)

#### Specialisation 3: Digital Media

MPPP 1373	Visual Technology Production	3
MPPP 1383	Video Technology Production	3
MPPP 1393	Animation Technology Production	3

#### Specialisation 4: Innovative Learning and New Media

MPPP 1403	Innovative Learning Environment	3
MPPP 1413	User Interaction In New Media	3
MPPP 1423	Best Practices of Teaching and Learning in New Media	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Measurement and Evaluation (MPPU)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPR 1103	Introduction to Measurement and Evaluation	3
MPPR 1113	Testing in Teaching and Guidance	3
MPPR 1123	Programme Evaluation	3

#### Electives

COURSE CODES	COURSE NAMES	CREDIT
MPPR 1303	Application of Measurement and Evaluation in Research	3
MPPR 1313	Current Issues in Educational Measurement and Evaluation	3
MPPR 1323	Introduction to Multivariate Analysis	3
MPPR 1333	Introduction to Scaling and Instrumentation	3
MPPR 1343	Supervision in Education	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Technical and Vocational Education (MPPV)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPV 1103	Philosophy in TVE	3
MPPV 1113	Curriculum Design in PTV	3
MPPV 1123	Programme Evaluation in TVE	3

#### Electives

COURSE CODES	COURSE NAMES	CREDIT
MPPV 1303	Perspective and Future of TVE	3
MPPV 1313	Models of Teaching in TVE	3
MPPV 1343	Management & Administration in TVE	3
MPPV 1323	Supervision in TVE	3
MPPV 1333	Internship in TVE	3
MPPV 1363	Entrepreneurship in TVE	3
MPPV 1353	Sustainability in TVE	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Teaching English as a Second Language / TESL (MPPZ)

#### Core

COURSE CODES	COURSE NAMES	CREDIT
MPPZ 1103	Second Language Acquisition	3
MPPZ 1113	Language Teaching Methodology	3
MPPZ 1123	Description of English	3

## CORE AND ELECTIVE COURSES BY PROGRAMME



### Teaching English as a Second Language / TESL (MPPZ)

#### Electives

COURSE CODES	COURSE NAMES	CREDIT
MPPZ 1303	Syllabus & Materials Design	3
MPPZ 1313	Language Testing And Evaluation	3
MPPZ 1323	Computer Assisted Language Learning	3
MPPZ 1333	English For Specific Purposes	3
MPPZ 1343	Discourse Analysis	3
MPPZ 1353	Seminar	3

## Research Study/Master's Project



### Master (taught course)

MPPT1105

Research study I (proposal : chapter 1-3)

MPPT 1205

Research study II (all chapters 1-5)

- Check your supervisor's name at the faculty academic office (will be announced)
- You are required to take MPPU 1024 (Research methodology) before you register Research Study I and MPPU 1034 (Statistics) 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)



## (MIXED MODE) MASTER OF EDUCATION



### Courses for Mixed Mode

Course	Course Codes and Names
University Elective (3 credits)	U-- xxx3 (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) <i>*Except for Master of Education in Guidance and Counselling : MPPB 1243 Counselling Practicum</i>
Programme Specialisation (12 credits)	4 courses (Refer to list of programme specialisation courses)
Dissertation (23 credits equivalent)	Register only after completing all courses
<b>45 credits</b>	



## Programme Specialisation Courses

Programme	Courses
<b>Management and Administration (MPPA)</b>	MPPA 1113: Theory of Organisation and Educational Management MPPA 1123: Leadership in Education MPPA 1133: School Management MPPA 1343: Managing Student Development
<b>Guidance and Counselling (MPPB)</b>	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
<b>Curriculum and Instruction (MPPC)</b>	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



Programme	Courses
<b>Education and Development (MPPD)</b>	MPPD 1103 :Fundamentals of Education and Development MPPD 1113 : Politics and Educational Planning MPPD 1123 : Economics of Education MPPD 1353: Education and Social Culture Change
<b>Educational Psychology (MPPE)</b>	MPPE 1113 : Cognitive Psychology MPPE 1123 : Advanced Educational Psychology MPPE 1233: Psychological Testing and Measurement MPPE 1343: Social Psychology
<b>Physics (MPPF)</b>	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
<b>Chemistry (MPPK)</b>	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 MPPK 1343: Technology in Chemistry Education

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