

ABOUT UNIVERSITI POLY-TECH MALAYSIA

Universiti Poly-Tech Malaysia, also known as UPTM, is an institution of higher learning that has built itself upon years of continuous improvements and change leading to a wealth of experience and wisdom.

At UPTM, the focus is on providing a comprehensive education that goes beyond theoretical knowledge to include the development of essential human attributes, attitude, and aptitude. The university's committed educators work tirelessly to ensure that every student receives personalised attention and support that enables them to realise their full potential.

UPTM's curriculum is anchored in contemporary technologies and business education, offering students a wide range of innovative courses that challenge and stimulate their skills and expertise essential for them to thrive in the fast-paced world of business. It is important to note that Poly-Tech, in this context, refers to the incorporation of cutting-edge technologies into business education, and should not be confused with technical or vocational education.

Overall, the university's emphasis is on producing graduates who are not only highly skilled and knowledgeable, but also possess the essential qualities of professionalism, ethical responsibility, and social awareness. With its unwavering commitment to academic excellence, UPTM stands out as an institution of higher learning that prepares students for successful careers and meaningful lives.

VISION

To become a university of choice in nurturing professionals impacting the nation.

MISSION

- Develop ethical, holistic and balanced professional
- To utilize knowledge and innovative contemporary technologies to contribute towards the development of the nation.

MOTTO

Trusted ● Caring ● Resilient ● Respected

OBJECTIVES

- To provide opportunities to pursue professionally recognised programmes.
- To provide vibrant and invitational programmes relevant to current market needs and customers' demands.
- To design programmes that inculcate graduates' synergetic talents.
- To ensure that graduates are adequately prepared for the local and global workforce.
- To establish human resource development programmes as tool for assimilating the value of society.
- To establish a distinctive and accountable centre of excellence in managing research, consultation and services.

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MESSAGE FROM THE PRESIDENT

I am honored to welcome you to the University Poly-Tech Malaysia (UPTM), an esteemed academic institution based at the heart of the capital city of Malaysia. As the President of UPTM, I am excited to invite you to join our community of scholars, where you will have the opportunity to develop into ethical, holistic, and balanced professionals who can impact the nation positively.

UPTM has undergone a remarkable transformation from a college to a university college and now a full-fledged university. This growth is a testament of our commitment to academic excellence and our dedication in providing a conducive learning environment. Our vision is to become a university of choice in nurturing professionals who can make a difference in society. We aim to achieve this by providing our students with the necessary skills, knowledge, and values to excel in their chosen fields.

At UPTM, our mission is to develop ethical, holistic, and balanced professionals who can contribute to the development of the nation using knowledge and innovative contemporary technologies. We strive to ensure that our graduates possess the necessary skills to thrive in a competitive global environment. Our curriculum is designed to challenge our students while also nurturing their intellectual curiosity.

Our university's core values are based on trust, care, resilience, and respect, which guide us in all our interactions with students, faculty, and staff. We pride ourselves on our inclusivity, diversity, and the community of scholars that we have built over the years. We are confident that you will find a home at UPTM, where you can grow and learn alongside other ambitious students.

I welcome you to explore our website and learn more about UPTM. Our dedicated faculty and staff are always to answer any questions you may have about our programs, admissions process, or campus life. We hope to hear from you soon and look forward to welcoming you to our university.

Sincerely,

President

University Poly-Tech Malaysia

INTRODUCTION

Postgraduate Diploma in Education is first offered at KUPTM in July 2020. The programme is designed to provide graduate students who intend to become teachers in secondary schools but who have not undergone any teaching training. The Secondary School Curriculum (KSSM) and the Secondary Standard Curriculum (KSSR) were revised in 2017. The curriculum emphasizes student-centered learning, while also emphasizing problem solving, project-based assignment, and implementing formative assessment.

The objectives of the programme are to improve teaching standards through the guidance of teachers specifically in the core subjects (Bahasa Malaysia, English, Math, and Science), to design assessment questions to focus on high order thinking skills, and to strengthen the quality of STEM education through curriculum strengthening, teacher testing and training, and the use of blended learning models. The programme is to meet the aspirations and needs of the national education system in the context of teacher empowerment.

This programme focuses on education foundation in the first semester (i.e. Sociology in Education, Foundation of Psychology and Counselling in Education, Introduction to Curriculum and Instruction, History and Basic Philosophy of Education and Educational Management and Leadership. Then in second semester, the focus will shift to the specialization area of the students and specialization core courses will be introduced such as Teaching Methodology, Pedagogy, Measurement and Assessment according to the specialization area and in third semester Teaching Practice where the students will be supervised in applying teaching skills.

This programme is designed to produce graduates who can apply basic principles of education, have the skills in teaching, demonstrate the ability to use social skills and awareness of the professional teaching responsibilities within organization, apply creativity and innovation in teaching and learning, and exhibit the ability to plan and organize educational projects.

PROGRAMME INFORMATION

1. Programme Title : Postgraduate Diploma in Education
2. Programme Code : BE301
3. Duration : 1 Year
4. Total Credit Hours : 33
5. Medium of Instruction : English
6. Entry Requirement : A Bachelor's Degree (Level 6, MQF) or its equivalent, with a minimum CGPA of 2.50, as accepted by the HEP's Senate;
OR
A Bachelor's Degree (Level 6, MQF) or its equivalent with a minimum of five (5) years working experience in a relevant field if not meeting the CGPA of 2.50.
7. Programme Educational Objectives : This programme is designed especially for graduates with a Bachelor's Degree or its equivalent who are keen on becoming educators. The programme focuses on the development of knowledge, skills and understanding in key aspects of teaching and learning and in line with the requirements of the Ministry of Education Malaysia (MOE) which requires efficient teaching staff to ensure effective implementation of the curriculum in schools. This programme is different from the Bachelor of Education programme because it is conducted in a minimum of one year with a flexible class schedule.

Postgraduate Diploma in Education programme aims to produce Education Practitioners who:

- PEO1 : have advanced knowledge and critical thinking skills, with practical skills, capable of using selected advanced numerical techniques and using digital technologies in the educational settings.
- PEO2 : lead with autonomy, communicate and interact with internal and external stakeholders when working in various educational settings.

PEO3 : uphold and defend professional and ethical practices in all education settings.

PEO4 : have positive attitudes, commitment for lifelong learning and entrepreneurial mind-set for self and career progression.

8. Programme Outcomes :

Upon completion, the Postgraduate Diploma in Education programme will produce graduates who are able to:

PLO1 : analyse knowledge of specific subject areas related to teaching and learning in meeting the challenges of a dynamic curriculum.

PLO2 : demonstrate practical skills in using current teaching techniques, including the use of current digital technique/technology in different educational settings.

PLO3 : integrate advanced analytical and numerical skills in solving and enhancing teaching practices and organisational performance.

PLO4 : demonstrate leadership with responsibility and autonomy in dynamic educational setting.

PLO5 : contribute with commitment either individually or through multi-disciplinary team with good communication and interpersonal skills in delivering educational services to stakeholders.

PLO6 : uphold professionalism and ethics to fulfil professional teaching standards and maintain the good image of the profession at all times.

PLO7 : exhibit positive attitude and commitment to lifelong learning with entrepreneurial mind-set in response to the changing world of education and for professional development.

9. Awarding Body : Universiti Poly-Tech Malaysia

10. Programme Standards : Education (2016)

PROGRAMME STRUCTURE

POSTGRADUATE DIPLOMA IN EDUCATION (BE301)

Year 1 Semester 1:

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|-------------|---|----------------------|-----------|-----|---------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| ESE5013 | Sociology in Education | Education Foundation | 3 | 120 | None | 70% | 30% |
| EPC5063 | Foundation of Psychology and Counselling in Education | Education Foundation | 3 | 120 | None | 70% | 30% |
| ECI5073 | Introduction To Curriculum and Instructions | Education Foundation | 3 | 120 | None | 70% | 30% |
| EML5073 | Educational Management and Leadership | Education Foundation | 3 | 120 | None | 70% | 30% |
| EHP5043 | History and Philosophy of Education | Education Foundation | 3 | 120 | None | 70% | 30% |
| | Total | | 15 | | | | |

Year 1 Semester 2: Bahasa Melayu

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|-------------|---|-----------------|--------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| EBM5013 | Prinsip dan Amalan Pengajaran Bahasa Melayu | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EBM5023 | Perancangan Dasar dan Kurikulum Bahasa | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |

| Melayu | | | | | | | |
|--------------|---|-----------------|-----------|-----|-------------------------|-----|-----|
| EBM5033 | Pengukuran dan Penilaian dalam Pendidikan Bahasa Melayu | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EBM5043 | Pengajaran Kesusasteraan dalam Bahasa Melayu | Elective | 3 | 120 | Passed all core courses | 70% | 30% |
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |
| ETL5033 | Emerging Technologies in Teaching and Learning | | | 120 | Passed all core courses | 70% | 30% |
| Total | | | 12 | | | | |

Year 1 Semester 2: Science

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|-------------|--|-----------------|--------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| ESC5053 | Teaching and Learning in Science | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| ESC5063 | Curriculum Studies in Science Education | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| ESC5073 | Assessment and Evaluation in Science Education | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| ESC5083 | Environmental Education and Sustainability | Elective | 3 | 120 | Passed all core courses | 70% | 30% |

| | | | | | | | |
|--------------|--|--|-----------|-----|-------------------------|-----|-----|
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |
| ETL5033 | Emerging Technologies in Teaching and Learning | | | 120 | Passed all core courses | 70% | 30% |
| Total | | | 12 | | | | |

Year 1 Semester 2: Mathematics

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|--------------|---|-----------------|-----------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| EMT5053 | Methodology in Teaching Mathematics | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EMT5063 | Assessments in Teaching Mathematics | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EMT5073 | Issues in Mathematics Education | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EMT5083 | Integrated Teaching Strategies in Mathematics Education | Elective | 3 | 120 | Passed all core courses | 70% | 30% |
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |
| ETL5033 | Emerging Technologies in Teaching and Learning | | | 120 | Passed all core courses | 70% | 30% |
| Total | | | 12 | | | | |

Year 1 Semester 2: English Language

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|--------------|--|-----------------|-----------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| EEL5013 | Linguistics for The Language Teacher | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EEL5023 | English Language Teaching (ELT) Methodology | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EEL5033 | Measurement and Assessment in English Language Education | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EEL5043 | Literature Teaching in English Language | Elective | 3 | 120 | Passed all core courses | 70% | 30% |
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |
| ETL5033 | Emerging Technologies in Teaching and Learning | | | 120 | Passed all core courses | 70% | 30% |
| Total | | | 12 | | | | |

Year 1 Semester 2: Pendidikan Islam

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|-------------|--|-----------------|--------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| EPI5013 | Perancangan Kurikulum Dalam | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPI5053 | Pedagogi dan Aplikasi dalam Pendidikan Islam | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |

| | | | | | | | |
|--------------|---|-----------------|-----------|-----|-------------------------|-----|-----|
| EPI5063 | Pengukuran dan Pentaksiran dalam Pendidikan Islam | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPI5043 | Etika Dalam Islam | Elective | 3 | 120 | Passed all core courses | 70% | 30% |
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |
| ETL5033 | Emerging Technologies in Teaching and Learning | | | 120 | Passed all core courses | 70% | 30% |
| Total | | | 12 | | | | |

Year 1 Semester 2: Pendidikan Moral

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|-------------|---|-----------------|--------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| EPM5013 | Pedagogi Pendidikan Moral | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPM5023 | Teori dalam Pendidikan Moral | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPM5033 | Pengukuran dan Pentaksiran dalam Pendidikan Moral | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPM5043 | Peranan sekolah dalam Pendidikan Moral | Elective | 3 | 120 | Passed all core courses | 70% | 30% |
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |

| | | | | | | | |
|--------------|--|--|-----------|-----|-------------------------|-----|-----|
| ETL5033 | Emerging Technologies in Teaching and Learning | | | 120 | Passed all core courses | 70% | 30% |
| Total | | | 12 | | | | |

Year 1 Semester 2: Physical and Health Education

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|--------------|--|-----------------|-----------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| EPE5013 | Physical Education Pedagogies | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPE5023 | Assessment and Measurement in Physical and Health Education | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPE5033 | Techniques, Strategies and Contemporary Issues in Physical Education | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPE5043 | Sports Administration and Co-Curriculum in Educational Institutions | Elective | 3 | 120 | Passed all core courses | 70% | 30% |
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |
| ETL5033 | Emerging Technologies in Teaching and Learning | | | 120 | Passed all core courses | 70% | 30% |
| Total | | | 12 | | | | |

Year 1 Semester 2: Computer Science

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|--------------|--|-----------------|-----------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| ESK5053 | Assessments in Teaching Computer Science | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| ESK5063 | Digital Skill in Education | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| ESK5073 | IoT For Education | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| ESK5083 | Digital Audio Video Technology in Multimedia | Elective | 3 | 120 | Passed all core courses | 70% | 30% |
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |
| ETL5033 | Emerging Technologies in Teaching and Learning | | | 120 | Passed all core courses | 70% | 30% |
| Total | | | 12 | | | | |

Year 1 Semester 2: Commerce

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|-------------|-----------------------------------|-----------------|--------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| EPD5053 | Teaching and Learning in Commerce | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPD5063 | Assessments in Teaching Commerce | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |

| | | | | | | | |
|--------------|--|-----------------|-----------|-----|-------------------------|-----|-----|
| EPD5073 | Curriculum Studies in Teaching | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPD5083 | Educational Technology in Learning Commerce | Elective | 3 | 120 | Passed all core courses | 70% | 30% |
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |
| ETL5033 | Emerging Technologies in Teaching and Learning | | | 120 | Passed all core courses | 70% | 30% |
| Total | | | 12 | | | | |

Year 1 Semester 2: Visual Arts

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|-------------|---|-----------------|--------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| EPS5013 | Pedagogy in Visual Art Education Curriculum | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPS5023 | Visual Art Education and Technology | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPS5033 | Teaching and Assessment in Art Education | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EPS5043 | Art Event Management | Elective | 3 | 120 | Passed all core courses | 70% | 30% |
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |
| ETL5033 | Emerging Technologies in | | | 120 | Passed all core courses | 70% | 30% |

| | | | | | | | |
|--|-----------------------|--|-----------|--|--|--|--|
| | Teaching and Learning | | | | | | |
| | Total | | 12 | | | | |

Year 1 Semester 2: Foreign Language

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|-------------|--|-----------------|-----------|-----|-------------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| EFL5013 | Principles and Practices in Foreign Language Teaching and Learning | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EFL5023 | Foreign Language Learning Strategies Instruction | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EFL5033 | Measurement and Assessment in Foreign Language Education | Discipline Core | 3 | 120 | Passed all core courses | 70% | 30% |
| EFL5043 | Material Selection and Adaptation for Foreign Language Teaching and Learning | Elective | 3 | 120 | Passed all core courses | 70% | 30% |
| ECT5033 | Critical Thinking | | | 120 | Passed all core courses | 70% | 30% |
| ETL5033 | Emerging Technologies in Teaching and Learning | | | 120 | Passed all core courses | 70% | 30% |
| | Total | | 12 | | | | |

Year 1 Semester 3

| COURSE CODE | COURSE NAME | STATUS | CREDIT | SLT | PRE-REQ | ASSESSMENT | |
|-------------|-------------------|--------------------------------|-----------|-----|--------------------|-------------|------------------|
| | | | | | | Course Work | Final Assessment |
| ETP5016 | Teaching Practice | Professional Practice Training | 6 | 480 | Passed all courses | 60% | 40% |
| | Total | | 12 | | | | |

List of Elective Courses

COURSE INFORMATION

SOCIOLOGY IN EDUCATION (ESE5013)

Prerequisite : None

This course introduces the sociological theories of education by identifying the major concepts and main features of their applications. It evaluates critical issues related to the fields of study. It also includes basic understanding on how the education system functions in society through the lens of different theoretical frameworks.

FOUNDATION OF PSYCHOLOGY AND COUNSELLING IN EDUCATION (EPC5063)

Prerequisite : None

This course introduces the students to the psychological and counselling theories of education, identifying the major concepts and main features of their applications, and evaluating critical issues related to the fields of study. The students will also be equipped with a basic understanding on how the education system functions in society and through assigned tasks, students are expected to develop skills to critically evaluate and analyse their social realities through the lens of different theoretical frameworks.

INTRODUCTION TO CURRICULUM AND INSTRUCTIONS (ECI5073)

Prerequisite : None

This course is designed to provide students with an extensive understanding of curriculum design, development and instruction field through discussions of the philosophy, theories as well as models of curriculum and instruction in the context of standards based education. It explores theories, methods, and procedures underlying the development and design of curriculum and instruction, the interrelationships between these two and presents best practices for developing curriculum and instruction which will meet the needs of schools.

EDUCATIONAL MANAGEMENT AND LEADERSHIP (EML5073)

Prerequisite : None

This course covers the basic principles, concepts and theories underlying educational management and leadership in educational institutions. It also offers a critical analysis of a wide range of topics central to management and leadership and their application in the field of education. Students will also be involved in the development of the educational strategic plan, namely the identification of vision, mission, objectives and SWOT analysis.

HISTORY AND PHILOSOPHY OF EDUCATION (EHP5043)**Prerequisite : None**

This course provides an overview on the history of Education and designed to emphasize how philosophical ideas on education developed over a period of time. This course also addresses how historical influences, settings, and ideas have influenced and continue to have relevance for education. It also put emphasis on educational philosophies which help to guide students in the educational field.

PRINSIP DAN AMALAN PENGAJARAN BAHASA MELAYU (EBM5013)**Prerequisite : Passed all core courses**

Kursus ini merangkumi komponen dalam kurikulum mata pelajaran bahasa Melayu di samping dapat mengaplikasikan kaedah pembelajaran yang terkini.

PERANCANGAN DASAR DAN KURIKULUM BAHASA MELAYU (EBM5023)**Prerequisite : Passed all core courses**

Kursus ini mendedahkan anda kepada perancangan kurikulum dan rekabentuk sukatan pelajaran Bahasa Melayu. Pelajar juga akan mempelajari tentang pembentukan, perkembangan, penilaian, pelaksanaan, dan strategi perubahan kurikulum di samping menganalisis perancangan dan pelaksanaan sukatan pelajaran Bahasa Melayu

PENGUKURAN DAN PENILAIAN DALAM PENDIDIKAN BAHASA MELAYU (EBM5033)**Prerequisite : Passed all core courses**

Kursus ini merangkumi penyediaan struktur penilaian yang khusus untuk mengukur dan menilai keberkesanan pengajaran yang telah disampaikan melalui penyediaan kertas ujian. Kursus ini memberi pengetahuan yang lebih mendalam mengenai penyediaan kertas ujian dan kertas soalan yang menepati piawaian serta selari dengan silibus yang telah diajarkan. Di akhir kursus ini nanti, pelajar akan mampu menghasilkan kertas soalan yang baik serta bersesuaian dengan keperluan subjek yang diajar.

Pengajaran Kesusasteraan dalam Bahasa Melayu (EBM5043)**Prerequisite : Passed all core courses**

Kursus ini merangkumi aspek bentuk dan kandungan pengajaran dalam kesusasteraan Bahasa Melayu.

TEACHING AND LEARNING IN SCIENCE (ESC5053)**Prerequisite : Passed all core courses**

This course covers current teaching methods as well as relevant approaches for teaching science. It focuses on developing the instructional skills to science teachers to

enhance students' learning by planning and implementing the appropriate teaching and learning activities. It also trains teachers to be highly competent in using the teaching aids and learning resources.

CURRICULUM STUDIES IN SCIENCE EDUCATION (ESC5063)

Prerequisite : Passed all core courses

This course introduces the major curricular models related to Science Education and analysis of their design and development, implementation, and evaluation. It considers the role of technology and disciplinary and interdisciplinary approaches. It also explores teaching through inquiry and for conceptual understanding. It focuses on strategies planning, conducting and evaluating curricula, and organizing discussion on problems faced by teachers in curricular decision-making.

ASSESSMENT AND EVALUATION IN SCIENCE EDUCATION (ESC5073)

Prerequisite : Passed all core courses

This course covers the basic elements involved in the process of assessment and evaluation in science education. It guides teachers to implement and practice the appropriate methods in planning and designing a quality, valid and reliable assessment tools to measure students' academic performance.

ENVIRONMENTAL EDUCATION AND SUSTAINABILITY (ESC5083)

Prerequisite : Passed all core courses

This course develops environmental literacy and widens individual perspective on environmental education. It discusses the environmental issues and sustainable development for bringing environmental learning to school and/or community settings.

METHODOLOGY IN TEACHING MATHEMATICS (EMT5053)

Prerequisite : Passed all core courses

This course covers an analysis of classic and current curricula for mathematics, instructional techniques and strategies, designing and locating instructional materials, planning, implementing, and evaluating lessons.

ASSESSMENTS IN TEACHING MATHEMATICS (EMT5063)

Prerequisite : Passed all core courses

This course introduces theory, concepts and practices of mathematics learning measurement and assessment in instructional settings. It covers varieties of techniques for classroom tests and procedures to develop questions using selected-response items.

ISSUES IN MATHEMATICS EDUCATION (EMT5073)**Prerequisite : Passed all core courses**

This course covers current issues and ideas relating to mathematics education including the background of education system, role of communication, technology integrated and effectiveness of teaching and learning process.

INTEGRATED TEACHING STRATEGIES IN MATHEMATICS EDUCATION (EMT5083)**Prerequisite : Passed all core courses**

This course introduces instructional skills needed in integrating educational technologies into their existing mathematics curriculum using cases and online resources.

LINGUISTIC FOR THE LANGUAGE TEACHER (EEL5013)**Prerequisite : Passed all core courses**

This course covers the science of linguistic with emphasis on language related problem solving techniques. It introduces important areas of linguistics from phonetics, phonology, morphology, syntax and semantics to subfield of applied linguistics. It also explores the application of linguistics to specific situation.

ENGLISH LANGUAGE TEACHING (ELT) METHODOLOGY (EEL5023)**Prerequisite : Passed all core courses**

The course covers some of the major trends in methods, approaches, assumptions and issues on the nature of language and how languages can be acquired and taught. It is geared towards the development of English Language Teaching (ELT) methodology, covering the development from traditional methods to the current ELT methodology. The ELT methods and approaches covered among others include grammar translation method, communicative approach, cooperative learning, problem and project-based learning.

MEASUREMENT AND ASSESSMENT IN ENGLISH LANGUAGE EDUCATION (EEL5033)**Prerequisite : Passed all core courses**

This course covers the theory, concepts and practices of learning measurement and evaluation of the English language in instructional settings. Course topics include reliability and validity theories, test and evaluation development and assessments. Furthermore, topics like computer-based testing is introduced to expose students to various methods of language testing especially using the online platform.

LITERATURE TEACHING IN ENGLISH LANGUAGE (EEL5043)**Prerequisite : Passed all core courses**

This course covers three core themes: the purposes for teaching literature; the content for teaching literature; and pedagogical approaches for teaching literature.

PERANCANGAN KURIKULUM DALAM PENDIDIKAN ISLAM (EPI5013)**Prerequisite : Passed all core courses**

Kursus ini membincangkan satu gabungan metodologi awal Islam dan metodologi terkini Kurikulum Pendidikan Islam yang merangkumi definisi Pendidikan Islam serta falsafah yang terkandung di dalamnya yang mana dapat memberi gambaran keseluruhan tentang proses tarbiyyah yang dikehendaki dalam Pendidikan Islam. Silibus ini juga memberi panduan lengkap kepada guru bagaimana menyediakan perancangan kurikulum tahunan sehingga ke perancangan harian.

PEDAGOGI DAN APLIKASI DALAM PENDIDIKAN ISLAM (EPI5053)**Prerequisite : Passed all core courses**

Kursus ini merangkumi asas kurikulum Pendidikan Islam di Malaysia, pedagogi pengajaran dan pembelajaran yang sesuai dilaksanakan oleh guru Pendidikan Islam bagi mewujudkan suasana pembelajaran yang berkesan dan bermakna agar semua hasil pembelajaran yang diharapkan benar-benar dapat dicapai. Kursus ini juga akan membantu mereka memilih, merangka dan mengaplikasi strategi, pendekatan, kaedah dan teknik pengajaran yang tepat dan bersesuaian selaras dengan kehendak kursus.

PENGUKURAN DAN PENTAKSIRAN DALAM PENDIDIKAN ISLAM (EPI5063)**Prerequisite : Passed all core courses**

Kursus ini merangkumi penyediaan struktur penilaian yang khusus untuk mengukur dan menilai keberkesanan pengajaran yang telah disampaikan melalui penyediaan kertas ujian. Kursus ini memberi pengetahuan yang lebih mendalam mengenai penyediaan kertas ujian dan kertas soalan yang menepati piawaian serta selari dengan silibus yang telah diajarkan.

ETIKA DALAM ISLAM (EPI5043)**Prerequisite : Passed all core courses**

Kursus ini meliputi etika berlandaskan perspektif Al-Quran dan Sunnah seperti prinsip husn al-khuluq, khuluqin 'addin dan makārim alakhilāq. Selain itu, pelajar juga akan didedahkan dengan etika cara Barat untuk perbandingan.

PEDAGOGI PENDIDIKAN MORAL (EPM5013)**Prerequisite : Passed all core courses**

Kursus ini merangkumi asas kurikulum Pendidikan Moral di Malaysia, pedagogi pengajaran dan pembelajaran yang sesuai dilaksanakan oleh guru Pendidikan Moral bagi mewujudkan suasana pembelajaran yang berkesan dan bermakna agar semua hasil pembelajaran yang diharapkan benar-benar dapat dicapai. Kursus ini juga akan membantu mereka memilih, merangka dan mengaplikasi strategi, pendekatan, kaedah dan teknik pengajaran yang tepat dan bersesuaian selaras dengan kehendak kursus.

TEORI DALAM PENDIDIKAN MORAL (EPM5023)**Prerequisite : Passed all core courses**

Kursus ini memberi pengetahuan dan kemahiran tentang konsep asas moral; konsep asas nilai; teori-teori etika; insan bermoral; nilai-nilai agama dan masyarakat; teori-teori perkembangan moral. Kursus ini juga memberi pengetahuan dan kemahiran asas yang perlu untuk mentafsir sukatan pelajaran Pendidikan Moral di sekolah; penyediaan rancangan dan persediaan mengajar; pendekatan, kaedah, kemahiran serta sumber dalam pengajaran pembelajaran Pendidikan Moral; menjalankan sesi amali pengajaran mikro.

PENGUKURAN DAN PENTAKSIRAN DALAM PENDIDIKAN MORAL (EPM5033)**Prerequisite : Passed all core courses**

Kursus ini merangkumi penyediaan struktur penilaian yang khusus untuk mengukur dan menilai keberkesanan pengajaran yang telah disampaikan melalui penyediaan kertas ujian. Kursus ini memberi pengetahuan yang lebih mendalam mengenai penyediaan kertas ujian dan kertas soalan yang menepati piawaian serta selari dengan silibus yang telah diajarkan. Di akhir kursus ini nanti, pelajar akan mampu menghasilkan kertas soalan yang baik serta bersesuaian dengan keperluan subjek yang diajar.

PERANAN SEKOLAH DALAM PENDIDIKAN MORAL (EPM5043)**Prerequisite : Passed all core courses**

Pendidikan Moral bertujuan membentuk individu yang menyeluruh dan seimbang, matang dan bermaklumat, yang berupaya menaakul, berperasaan dan bertingkah laku moral ke arah pembangunan masyarakat beretika yang adil dan berkepedulian. Selain itu, isu-isu pendidikan moral turut diterapkan selain isu-isu pedagogi seperti perkembangan kognitif moral penjelasan nilai dan pendidikan karakter.

PHYSICAL EDUCATION PEDAGOGIES (EPE5013)**Prerequisite : Passed all core courses**

The course covers the planning of lesson process, creating original teaching programs, detailed - annual plans of teaching and upbringing for physical education. It provides the knowledge and skills required for the proper conduct of the inspection process and evaluation of students educational achievements in physical education.

ASSESSMENT AND EVALUATION IN PHYSICAL AND HEALTH EDUCATION (EPE5023)**Prerequisite : Passed all core courses**

This course covers the theory, concepts and practices of learning measurement and evaluation in instructional settings. Course topics include reliability theory, test and evaluation development, validation and assessment.

TECHNIQUES, STRATEGIES AND CONTEMPORARY ISSUES IN PHYSICAL EDUCATION (EPE5033)**Prerequisite : Passed all core courses**

This course introduces instructional skills needed in integrating physical education technologies into the existing curriculum using issues in Physical Education.

SPORTS ADMINISTRATION AND CO-CURRICULUM IN EDUCATIONAL INSTITUTIONS (EPE5043)**Prerequisite : Passed all core courses**

The course covers various aspects of discipline management to meet the education's needs. The students will orientate students with the vast knowledge in education and exposed to current issues in co-curricular & sport management.

ASSESSMENTS IN TEACHING COMPUTER SCIENCE (ESK5053)**Prerequisite : Passed all core courses**

This course introduces theory, concepts and practices of computer science learning measurement and assessment in instructional settings. It covers varieties of techniques for classroom tests and procedures to develop questions using selected-response items.

DIGITAL SKILL IN EDUCATION (ESK5063)**Prerequisite : Passed all core courses**

This course helps educators in managing and applying digital skills in teaching and learning. This course is designed based on areas of digital competency that educators

should possessed in the teaching and learning process. Students will be assessed through application of digital skills in conducting class.

DIGITAL AUDIO VIDEO TECHNOLOGY IN MULTIMEDIA (ESK5083)

Prerequisite : Passed all core courses

This course helps in training and practising secondary school teachers understand how to evaluate and refresh their curriculum in order to ensure that what they teach is relevant, topical and creative. Learners explore how to use digital audio and video technology in teaching and learning that can be developed to engage secondary school pupils and better reflect contemporary society as well as providing insights into the latest thinking in multimedia technology in a concise and accessible manner.

TEACHING AND LEARNING IN COMMERCE (EPD5053)

Prerequisite : Passed all core courses

This course provides a basic understanding of the meaning and nature of commerce for determining the aims and strategies of teaching-learning. It can understand the place of commerce in the global world and the importance of commerce education in the present-day curriculum.

ASSESSMENTS IN TEACHING COMMERCE (EPD5063)

Prerequisite : Passed all core courses

This course introduces the theory, concepts, and practices of commerce learning measurement and assessment in instructional settings. It covers varieties of techniques for classroom tests and procedures to develop questions using selected-response items.

CURRICULUM STUDIES IN TEACHING COMMERCE (EPD5073)

Prerequisite : Passed all core courses

This course provides an overview of the principles, procedures, and practices in curriculum and syllabus design. It covers the meaning, importance, and principles of designing a good curriculum for commerce.

EDUCATIONAL TECHNOLOGY IN COMMERCE (EPD5083)

Prerequisite : Passed all core courses

This course introduces the concepts of E-commerce and its infrastructure to help organizations conduct their business in the digital economy. It emphasizes the implementation of E-commerce using current telecommunication technologies. A few models of E-commerce will be discussed including digital transformation strategies that can help to improve businesses globally.

PEDAGOGY IN VISUAL ART EDUCATION CURRICULUM (EPS5013)**Prerequisite : Passed all core courses**

This course helps to prepare teachers to apply their skills of teaching visual arts, based on their comprehension towards the fundamental of art and design. The process of the art and design covers the aspect of self-assertion, society and the value of certain culture. It also includes the basic of fine art (drawing, catan, sculpture, and printing), visual communication (graphic and multimedia), shape, traditional craft art and new dimension.

VISUAL ART EDUCATION AND TECHNOLOGY (EPS5023)**Prerequisite : Passed all core courses**

This course covers the concepts, aims and objectives of Visual Art Education (VAE) and Technology. It emphasizes on the importance of Visual Art Education in everyday life, various views and contributions of distinguished artists and art educationists, art of various cultures including the Malay, Islamic, Oriental (Indian, Chinese, Japanese), and Western cultures, the concept of design and craft and the importance of Visual Art Education in an era of advanced technology.

TEACHING AND ASSESSMENT IN ART EDUCATION (EPS5033)**Prerequisite : Passed all core courses**

This course introduces the concepts and methods of testing, measurement and evaluation of Art education. This module covers the main features of the test, forms of assessment and distinguishes between norm-based and criteria-based assessments.

ART EVENT MANAGEMENT (EPS5043)**Prerequisite : Passed all core courses**

This course purposes is to enhance knowledge of art management. It covers the aspects of management such as preparing project paper, ceremony, and stage management. The course focuses on mastery of leadership, the relation between art and leadership management, financial management and art marketing and communication in cultural organization.

PRINCIPLES AND PRACTICES IN FOREIGN LANGUAGE TEACHING AND LEARNING (EFL5013)**Prerequisite : Passed all core courses**

This course provides basic understanding of language acquisition, classroom management and basic practices for language teaching. It covers varieties of methods available in language teaching and the emphasis on all aspects of language skills such as writing, reading, listening, speaking, grammar and vocabulary.

FOREIGN LANGUAGE LEARNING STRATEGIES INSTRUCTION (EFL5023)**Prerequisite : Passed all core courses**

This course covers issues related to foreign language learning strategies instruction. It includes various language learning strategies, methods for identifying language learning strategies, factors affecting language learning strategy use, and approaches to language learning strategies instruction.

MEASUREMENT AND ASSESSMENT IN FOREIGN LANGUAGE EDUCATION (EFL5033)**Prerequisite : Passed all core courses**

This course introduces theory, concepts and practices of foreign language learning measurement and assessment in instructional settings. It covers varieties of techniques for classroom test and procedures to develop questions using selected-response items.

MATERIAL SELECTION AND ADAPTATION FOR FOREIGN LANGUAGE TEACHING AND LEARNING (EFL5043)**Prerequisite : Passed all core courses**

This course introduces theories and practical principles in the process of selecting and adapting materials for language teaching and learning. It emphasizes on the process of selecting suitable materials and adapting the materials to suit the needs of third language students. It also focuses on developing the skills in selecting materials for teaching purposes.

CRITICAL THINKING (ECT5033)**Prerequisite : Passed all core courses**

This course introduces the basic principles of critical thinking. Emphasis is placed on topics of recognising arguments, reasoning in arguments and evaluating arguments from different point of views.

EMERGING TECHNOLOGIES AND INNOVATIONS IN TEACHING AND LEARNING (ETL5033)**Prerequisite : Passed all core courses**

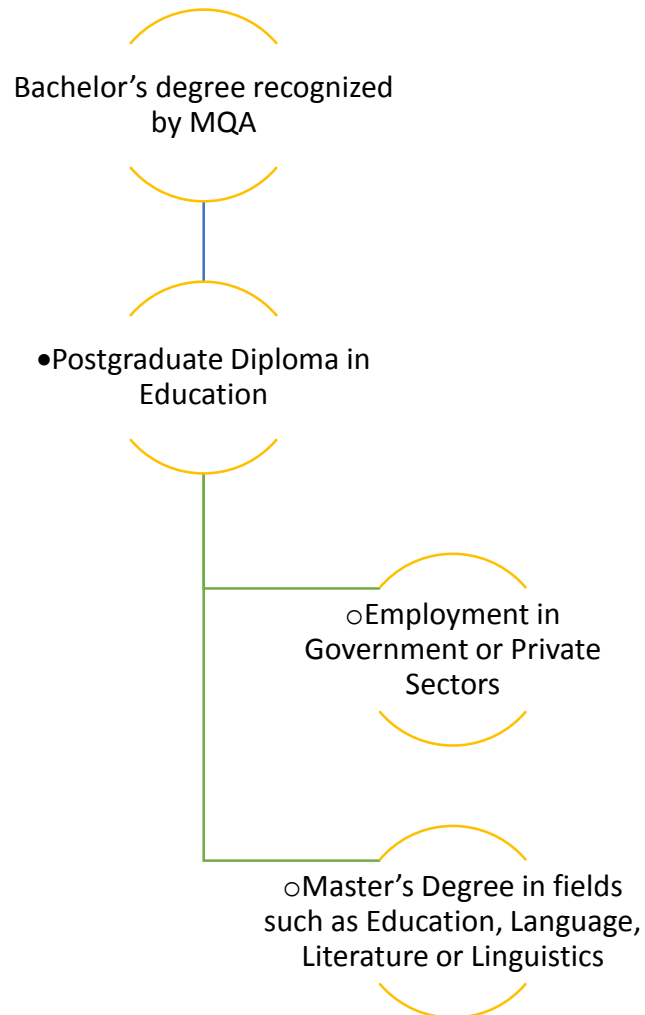
This course covers the theories, principles and roles of technology in teaching and learning. It introduces the learning strategies, technological tools and designs that can be utilised in the classrooms. The use of several media hardwares and softwares that capable of enhancing teaching and learning are explored in this course.

TEACHING PRACTICE (ETP5016)**Prerequisite : Passed all courses**

Teacher trainees are required by the Ministry of Education (MOE) to have actual classroom teaching experiences in teacher education programme. They will be assigned a supervising teacher from the school (school mentor) and a school's co-curricular/sports activities advisor. The focus of this tenure is on the development of teaching experience for the practicum teachers. It also enables them to put theory into practice as well as make adaptations in preparation of joining the teaching profession.

STUDY PATH

POSTGRADUATE DIPLOMA IN EDUCATION (BE301)



ACADEMIC PLANNER

| ACTIVITY | Long Semester | Short Semester |
|-----------------------------|---------------|----------------|
| | Day / Week | Day / Week |
| Registration (New Students) | Day 1 | Day 1 |
| Induction | Day 2 | Day 2 |
| Add/Drop Week | Week 4 | Week 2 |
| Lectures | Week 1 - 7 | Week 1 - 7 |
| Mid-Semester Break | 1 Week | |
| Lectures | Week 8 – 14 | |
| Revision Week | 2 Days | 2 Days |
| Final Examination | 3 Weeks | 1 - 2 Weeks |
| Semester Break | 2 - 3 Weeks | 2 - 3 Weeks |

Note: Actual academic calendar can be accessed in the UPTM website at www.uptm.edu.my.

- The University reserves the right to make any changes to the academic calendar when necessary. Students are advised to be aware of announcements regarding changes at all times.

ACADEMIC REGULATIONS

- All UPTM students are subjected to the academic rules and regulations as outlined in the Academic Regulations of Universiti Poly-Tech Malaysia (UPTM) (2023 Amendment). A copy of this academic rules and regulations can be accessed in the UPTM website at www.uptm.edu.my.
- All UPTM students pursuing academic programmes in collaboration with professional, local or foreign partner institutions are also subjected to the rules and regulations of the partner institutions. A copy of this handbook can be accessed in the UPTM website at www.uptm.edu.my