**LIST OF COURSES for NEW POSTGRADUATE STUDENTS,**

**INTAKE 2020/2021, SEMESTER I**

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**MASTER BY TAUGHT COURSE**

PROGRAMME : MASTER OF PETROLEUM ENGINEERING

CODE PROGRAMME : MKPPA1BKA

IMPLEMENTATION METHOD : OFFSHORE PROGRAMME

LEARNING CENTER : UTM KUALA LUMPUR

PROGRAMME COORDINATOR : PM IR. DR. MOHD ZAIDI BIN JAAFAR

EMAIL : [mzaidi@utm.my](mailto:mzaidi@utm.my)

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| **NO** | **CODE** | **COURSE** | **SECTION** |
| 1. | MKPP1323 | FORMATION EVALUATION | 02 |
| 2. | MKPP1213 | APPLIED GEOSCIENCE AND GEOPHYSICS | 02 |
| 3. | MKPP1333 | RESERVOIR ROCK AND FLUID PROPERTIES | 02 |
| 4. | MKPP2513 | PETROLEUM PRODUCTION ENGINEERING | 02 |
| 5. | MKPP2353 | RESERVOIR ENGINEERING | 02 |
| 6. | MKPP1413 | DRILLING ENGINEERING AND WELL COMPLETION | 02 |
| 7. | MKPP1113 | PETROLEUM ECONOMICS AND MANAGEMENT | 02 |
| 8 | UKPP0013 | RESEARCH METHODOLOGY | 02 |

PROGRAMME : MASTER OF PETROLEUM ENGINEERING

PROGRAMME CODE : MKPPA1AJA

IMPLEMENTATION METHOD : MAINSTREAM PROGRAMME

LEARNING CENTER : UTM JOHOR BAHRU

PROGRAMME COORDINATOR : PM IR. DR. MOHD ZAIDI BIN JAAFAR

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| **NO** | **CODE** | **COURSE** | **SECTION** |
| 1. | MKPP2333 | ENHANCED OIL RECOVERY | 01 |
| 2. | MKPP1413 | DRILLING ENGINEERING AND WELL COMPLETION | 01 |
| 3 | MKPP1323 | FORMATION EVALUATION | 01 |
| 4. | MKPP1213 | APPLIED GEOSCIENCE AND GEOPHYSICS | 01 |
| 5. | MKPP1333 | RESERVOIR ROCK AND FLUID PROPERTIES | 01 |
| 6. | MKPP2513 | PETROLEUM PRODUCTION ENGINEERING | 01 |
| 7. | MKPP3804 | FIELD DEVELOPMENT PROJECT | 01 |
| 8. | UKPP0013 | RESEARCH METHODOLOGY | 01 |

PROGRAMME : MASTER OF SCIENCE ENERGY MANAGEMENT

PROFRAMME CODE : MKKEA1BKA

IMPLEMENTATION METHOD : OFFSHORE PROGRAMME

LEARNING CENTER : UTM KUALA LUMPUR

PROGRAMME COORDINATOR : DR. AZIZUL AZRI BIN MUSTAFFA

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| **NO** | **CODE** | **COURSE** | **SECTION** |
| 1. | MKKE2153 | THERMAL ENERGY MANAGEMENT | 02 |
| 2. | MKKE1213 | SUSTAINABLE ENERGY MANAGEMENT | 02 |
| 3. | MKKE2153 | THERMAL ENERGY MANAGEMENT | 02 |
| 4. | MKKE2133 | RENEWABLE ENERGY | 02 |

PROGRAMME : MASTER OF SCIENCE ENERGY MANAGEMENT

PROGRAMME CODE : MKKEA1AJA

IMPLEMENTATION METHOD : MAINSTREAM PROGRAMME

LEARNING CENTER : UTM JOHOR BAHRU

PROGRAMME COORDINATOR : DR. AZIZUL AZRI BIN MUSTAFFA

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| **NO** | **CODE** | **COURSE** | **SECTION** |
| 1. | MKKE1233 | RESEARCH METHODOLOGY AND DESIGN OF EXPERIMENT | 01 |
| 2. | MKKE1113 | MECHANICAL AND ELECTRICAL ENERGY | 01 |
| 3 | MKKE2153 | THERMAL ENERGY MANAGEMENT | 01 |
| 4. | MKKE1213 | SUSTAINABLE ENERGY MANAGEMENT | 01 |
| 5. | MKKE1243 | COMPUTER AIDED TOOLS FOR ENERGY EFFICIENT INDUSTRY | 01 |

PROGRAMME : MASTER OF SCIENCE GAS ENGINEERING AND MANAGEMENT

PROGRAMME CODE : MKPMA1AJA

IMPLEMENTATION METHOD : MAINSTREAM PROGRAMME

LEARNING CENTER : UTM JOHOR BAHRU

PROGRAMME COORDINATOR : DR. FARHANA BINTI AZIZ

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| **NO** | **CODE** | **COURSE** | **SECTION** |
| 1. | MKPM1133 | HYDROCARBON GAS SUPPLY ENGINEERING AND ECONOMICS | 01 |
| 2. | MKPM1233 | GAS CONTRACT NEGOTIATION AND IMPLEMENTATION | 01 |
| 3 | MKPM1243 | GAS PROJECT PLANNING DEVELOPMENT AND FINANCING | 01 |
| 4. | MKPM1173 | ENERGY MANAGEMENT | 01 |
| 5. | UKPP0013 | RESEARCH METHODOLOGY | 01 |

PROGRAMME : MASTER OF SCIENCE (SAFETY, HEALTH & ENVIRONMENT)

PROGRAMME CODE :MKKHA1BJA

IMPLEMENTATION METHOD :OFFSHORE PROGRAMME

LEARNING CENTER :UTM JOHOR BAHRU

PROGRAMME COORDINATOR : DR. NORAFNEEZA NORAZAHAR

EMEL : [norafneeza@utm.my](mailto:norafneeza@utm.my)

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| **NO** | **COURSE CODE** | **COURSE** | **SECTION** |
| 1 | MKKH 1113 | RESEARCH METHODOLOGY AND DESIGN OF EXPERIMENT | 04 |
| 2 | MKKH 1443 | OCCUPATIONAL HEALTH (MODULE 3 SHO) | 04 |
| 3 | MKKH 1513 | ENVIRONMENTAL MANAGEMENT | 04 |
| 4 | MKKH 1373 | HUMAN FACTOR | 04 |

PROGRAMME : MASTER OF SCIENCE (SAFETY, HEALTH & ENVIRONMENT)

PROGRAMME CODE : MKKHA1BKA

IMPLEMENTATION METHOD : OFFSHORE PROGRAMME

LEARNING CENTER : UTM KUALA LUMPUR

PROGRAMME COORDINATOR : DR. NORAFNEEZA NORAZAHAR

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| **NO** | **COURSE CODE** | **COURSE** | **SECTION** |
| 1 | MKKH 1113 | RESEARCH METHODOLOGY AND DESIGN OF EXPERIMENT | 03 |
| 2 | MKKH 1433 | OCCUPATIONAL SAFETY (MODULE 4 SHO) | 03 |
| 3 | MKKH 1213 | RISK ASSESSMENT AND ACCIDENT MODELLING | 03 |
| 4 | MKKH 1233 | EMERGENCY RESPONSE MANAGEMENT | 03 |

PROGRAMME : MASTER OF SCIENCE (SAFETY, HEALTH & ENVIRONMENT)

PROGRAMME CODE : MKKHA1AJA

IMPLEMENTATION METHOD : MAINSTREAM PROGRAMME

LEARNING CENTER : UTM JOHOR BAHRU

PROGRAMME COORDINATOR : DR. NORAFNEEZA NORAZAHAR

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| **NO** | **COURSE CODE** | **COURSE** | **SECTION** |
| 1 | MKKH 1353 | SAFETY AND HEALTH LEGISLATIONS (MODULE 2 SHO) | 01 |
| 2 | MKKH 1523 | POLLUTION CONTROL TECHNOLOGY | 01 |
| 3 | MKKH 1443 | OCCUPATIONAL HEALTH (MODULE 3 SHO) | 01 |
| 4 | MKKH 1233 | EMERGENCY RESPONSE MANAGEMENT | 01 |
| 5 | MKKH 1113 | RESEARCH METHODOLOGY AND DESIGN OF EXPERIMENT | 01 |
| 6 | MKKH 1213 | RISK ASSESSMENT AND ACCIDENT MODELLING | 01 |

PROGRAMME : MASTER OF SCIENCE (HERBAL TECHNOLOGY)

PROGRAMME CODE : MKKTA1CJA

IMPLEMENTATION METHOD : OFFSHORE PROGRAMME

LEARNING CENTER : UTM JOHOR BAHRU

PROGRAMME COORDINATOR : PM. DR. CHUA LEE SUAN

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| NO | COURSE CODE | COURSE | SECTION |
| 1 | MKKT 1013 | BOTANY & HERBAL CHEMISTRY | 03 |
| 2 | MKKT 1033 | HERBAL PROCESSING | 03 |
| 3 | MKKT 1043 | PRODUCT FORMULATION | 03 |
| 4 | MKKT 2063 | RESEARCH METHODOLOGY AND VALUE CREATION THROUGH INNOVATION | 03 |

PROGRAMME : MASTER OF SCIENCE (HERBAL TECHNOLOGY)

PROGRAMME CODE : MKKTA1CKA

IMPLEMENTATION METHOD : OFFSHORE PROGRAMME

LEARNING CENTER : UTM KUALA LUMPUR

PROGRAMME COORDINATOR : PM. DR. CHUA LEE SUAN

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| NO | COURSE CODE | COURSE | SECTION |
| 1 | MKKT 1013 | BOTANY & HERBAL CHEMISTRY | 03 |
| 2 | MKKT 1023 | HERBAL QUALITY MANAGEMENT | 03 |
| 3 | MKKT 2013 | HERBAL COSMECEUTICAL | 03 |
| 4 | UBSE 1123 | ORGANIZATIONAL BEHAVIOUR | 03 |

PROGRAMME : MASTER OF SCIENCE (PROCESS PLANT MANAGEMENT)

PROGRAMME CODE : MKKLA1CKA

IMPLEMENTATION METHOD : OFFSHORE PROGRAMME

LEARNING CENTER : UTM KUALA LUMPUR

PROGRAMME COORDINATOR : DR. ROSNANI BINTI HASHAM

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| NO | COURSE CODE | COURSE | SECTION |
| 1 | MKKL 1113 | INTRODUCTION TO CHEMICAL PROCESS ENGINEERING & INDUSTRY | 03 |
| 2 | MKKL 1533 | FINANCIAL ANALYSIS | 03 |
| 3 | MKKL 1133 | PROCESS OPERATION, CONTROL, TROUBLESHOOTING | 03 |
| 4 | UBSE 1123 | ORGANIZATIONAL BEHAVIOUR | 03 |

**MASTER BY MIXED MODE**

PROGRAMME : MASTER OF ENGINEERING

SPECIALIZATION : CHEMICAL

PROGRAMME CODE : MKKKA2AJA

IMPLEMENTATION METHOD : MAINSTREAM PROGRAMME

LEARNING CENTER : UTM JOHOR BAHRU

PROGRAMME COORDINATOR : DR. NOR ALAFIZA YUNUS

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| **NO** | **COURSE CODE** | **COURSE** | **SECTION** |
| 1 | MKKK 1643 | NUMERICAL COMPUTATION IN CHEMICAL ENGINEERING | 01 |
| 2 | MKKK 1413 | ADVANCED THERMODYNAMIC | 01 |
| 3 | MKKK 1423 | ADVANCED CHEMICAL REACTION ENGINEERING | 01 |
| 4 | MKKK 1513 | ADVANCED TRANSPORT PHENOMENA | 01 |

PROGRAMME : MASTER OF ENGINEERING

SPECIALIZATION : BIOPROCESS

PROGRAMME CODE : MKKBA2AJA

IMPLEMENTATION METHOD : MAINSTREAM PROGRAMME

LEARNING CENTER : UTM JOHOR BAHRU

PROGRAMME COORDINATOR : DR. NOR HASMALIANA ABD. MANAS

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| **NO** | **COURSE CODE** | **COURSE** | **SECTION** |
| 1 | MKKB 1113 | INDUSTRIAL BIOPROCESSING | 01 |
| 2 | MKKB 1103 | BIOTECHNOLOGY FOR ENGINEERS | 01 |
| 3 | UKKP 0013 | RESEARCH METHODOLOGY | 03 |

PROGRAMME : MASTER OF ENVIRONMENTAL ENGINEERING

SPECIALIZATION : ENVIRONMENTAL ENGINEERING

PROGRAMME CODE : MKKNA2AJA

IMPLEMENTATION METHOD : MAINSTREAM PROGRAMME

LEARNING CENTER : UTM JOHOR BAHRU

PROGRAMME COORDINATOR : PM. IR. DR. NORZITA NGADI

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| **NO** | **COURSE CODE** | **COURSE** | **SECTION** |
| 1 | MKKN 1513 | SOLID AND HAZARDOUS WASTE MANAGEMENT | 01 |
| 2 | UKKP 0013 | RESEARCH METHODOLOGY | 03 |

PROGRAMME : MASTER OF SCIENCE

SPECIALIZATION : POLYMER TECHNOLOGY

PROGRAMME CODE : MKKAA2AJA

IMPLEMENTATION METHOD : MAINSTREAM PROGRAMME

LEARNING CENTER : UTM JOHOR BAHRU

PROGRAMME COORDINATOR : DR. NORFHAIRNA BAHARULRAZI

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| **NO** | **COURSE CODE** | **COURSE** | **SECTION** |
| 1 | MKKR 1123 | POLYMER SYNTHESIS | 01 |
| 2 | MKKR 1153 | POLYMER PROCESSING | 01 |
| 3 | MKKR 1133 | POLYMER PHYSICS AND PROPERTIES | 01 |
| 4 | UKKP 0010 | RESEARCH METHODOLOGY | 01 |

PROGRAMME : ENGINEERING DOCTORATE (PROCESS PLANT MANAGEMENT)

PROGRAMME CODE : EKKLA2CKA

IMPLEMENTATION METHOD : OFFSHORE PROGRAMME

LEARNING CENTER : UTM KUALA LUMPUR

PROGRAMME COORDINATOR : DR. HARISUN YA’AKOB

EMEL : r-rosnani@utm.my

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| **NO** | **COURSE CODE** | **COURSE** | **SECTION** |
| 1 | EKKL1113 | BUILDING OPERATIONAL EXCELLENCE | 03 |
| 2 | EKKL1253 | WELLNESS FOR TOP MANAGEMENT | 03 |
| 3 | EKKL1263 | PRODUCT DESIGN | 03 |
| 4 | UBSE 1123 | ORGANIZATIONAL BEHAVIOUR | 03 |