

SENARAI BIDANG DAN KURSUS DALAM SIJIL PROGRAM PENGKHUSUSAN TERBUKA (SPPT)

| Kolej | Fakulti/Pusat Jabatan | Bidang | Nama Kursus | Penawaran Kursus Bagi Semester 2, Sesi 2020/2021 |
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| Kolej Kejuruteraan | Jabatan Kejuruteraan Elektrik | Electrical Energy Management | <ul style="list-style-type: none"> • (BEE3133) Electrical Power Systems • (BEE4113) Electrical Installation Design • (BEE4163) Alternative Energy • (MEE5042) Energy Management & Efficiency • (BEE3333) Integrated Engineering Design | <ul style="list-style-type: none"> • (BEE3133) Electrical Power Systems • (BEE4113) Electrical Installation Design • (BEE4163) Alternative Energy |
| | Jabatan Kejuruteraan Kimia | Chemical Process Engineering | <ul style="list-style-type: none"> • (BKF2343) Material & Energy Balance • (BKF2453) Chemical Reaction Engineering I • (BKF3463) Unit Operation • (BKF3553) Process Simulation and Computer Aided Design • (BKC4xxx) Plant Design Chemical Plant | <ul style="list-style-type: none"> • (BKF2343) Material & Energy Balance • (BKF2453) Chemical Reaction Engineering I • (BKF3463) Unit Operation |
| | Jabatan Kejuruteraan Awam | Building Structures | <ul style="list-style-type: none"> • (BAA1133) Mechanics of Materials • (BAA2113) Theory of Structures • (BAA2123) Structural Analysis • (BAA3223) Steel & Timber Design • (BAA4023) Project for Profesional Practices | <ul style="list-style-type: none"> • (BAA1133) Mechanics of Materials |

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| | Jabatan Kejuruteraan Industri | Smart Manufacturing | <ul style="list-style-type: none"> • (BFI4823) Industrial Simulation • (BFI4853) Engineering Optimization • (BFI4833) Smart Manufacturing • (BFI4763) AI for Industrial Engineers • (BFI4743) Lean Six Sigma | -Tidak ditawarkan pada semester 2, sesi 2020/2021 |
| | Jabatan Kejuruteraan Mekanikal | Materials Engineering | <ul style="list-style-type: none"> • (BMM1523) Engineering Materials • (BMM4803) Corrosion Science & Engineering • (BMM4773) Materials Characterization • (BMM3643) Manufacturing Processes • (BMM3601) Integrated Design Project | <ul style="list-style-type: none"> • (BMM1523) Engineering Materials • (BMM4803) Corrosion Science & Engineering |
| Kolej Teknologi Kejuruteraan | FTKEE | Artificial Intelligence of Things (AIoT) | <ul style="list-style-type: none"> • Embedded System & IoT Programming • Practical IoT • Data Analysis and IoT Security • AI-powered IoT • Projek | <ul style="list-style-type: none"> • Embedded System & IoT Programming (BTE2513) |

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| | FTKMA | Computer Aided Design (CAD) | <ul style="list-style-type: none"> • (BHA1602) Technical Drawing • (DMM1413) Engineering Drawing & CAD • (DMM2633) Manufacturing Technology • (DMM2632) Industrial Design • Capstone Project (Projek) | <ul style="list-style-type: none"> • (DMM1413) Engineering Drawing & CAD • (DMM2633) Manufacturing Technology • (DMM2632) Industrial Design |
| | FTKPM | Robotics | <ul style="list-style-type: none"> • (BFM4503) Robotics For Engineers • (BFM3003) Artificial Intelligence • (BFM4523) Autonomous Robotic System • (BFM4533) Robotic Prototype Design • BFMXXX3 Capstone Project (Projek) | <ul style="list-style-type: none"> • (BFM3003) Artificial Intelligence |
| | FTKA | Construction Management | <ul style="list-style-type: none"> • (BET2373) Construction Engineering • (BET2413) Project Scheduling • (BET2422) Financial Management for Decision Making • (BET3582) Digital Construction Technology • (BET4774) Technology Design Project (Projek) | <ul style="list-style-type: none"> • (BET2373) Construction Engineering |

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| | FTKKP | <p>Bioprocess Development</p> | <ul style="list-style-type: none"> • (BTK2013) Introduction to Bioprocess • (BTK2023) Bioreactor Technology • (BTK3013) Bioseparation Technology • (BTK3023) Bioprocess Optimization • (BTK4013) Capstone Project (Projek) | <ul style="list-style-type: none"> • (BTK2013) Introduction to Bioprocess |
| | | <p>Herbal & Medicinal Plants Processing</p> | <ul style="list-style-type: none"> • (BTK2053) Introduction to Herbal & Medicinal Plants • (BTK2063) Extraction, Isolation & Identification of Phytochemicals • (BTK3053) GMP for Natural Products • (BTK3063) Development of Nutraceutical Products • (BTK4033) Capstone Project (Projek) | <p>-Tidak ditawarkan pada semester 2, sesi 2020/2021</p> |
| | | <p>Process Systems Engineering</p> | <ul style="list-style-type: none"> • (BTK2033) Sustainability in Process Industries • (BTK2043) Computer Aided Process Modelling and Dynamics • (BTK3033) Process Monitoring • (BTK3043) Introduction to Microsoft Project and Primavera • (BTK4023) Capstone Project (Projek) | <ul style="list-style-type: none"> • (BTK2033) Sustainability in Process Industries |

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| Kolej Komputeran Dan Sains Gunaan | FK | Multimedia Technology | <ul style="list-style-type: none"> • (BCM2023) Fundamental Digital Media Design • (BCM3233) 3D Modelling Simulation • (BCM3103) Virtual Reality • (BCM3163) Computer Game Programming I (Pre-requisite: Passed any 1 programming language) • (BCM3163) Computer Game Programming II | <ul style="list-style-type: none"> • (BCM3103) Virtual Reality • (BCM3233) 3D Modelling Simulation • (BCM3163) Computer Game Programming I |
| | | Computer Game Development | <ul style="list-style-type: none"> • (BCM2023) Fundamental Digital Media Design • (BCM3233) 3D Modelling Simulation • (BCM3103) Virtual Reality • (BCM3163) Computer Game Programming I (Pre-requisite: Passed any 1 programming language) • (BCM3163) Computer Game Programming II | <ul style="list-style-type: none"> • (BCM3103) Virtual Reality • (BCM3233) 3D Modelling Simulation • (BCM3163) Computer Game Programming I |
| | FSTI | Metal, Corrosion & Failure Analysis | <ul style="list-style-type: none"> • (BSP2153) Material Science & Technology • (BSP2133) Metals & Alloys • (BSP3173) Corrosion • (BSP3183) Failure Analysis • BSP***3 Capstone Project (Projek) | <ul style="list-style-type: none"> • (BSP2133) Metals & Alloys • (BSP3183) Failure Analysis |

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| | PSM | Data Analytics | <ul style="list-style-type: none"> • (BSD1323) Storytelling and Data Visualization • (BSD2213) Data Science Programming I • (BSD2223) Data Science Programming II • (BSD3533) Data Mining / 3 jam kredit • (BSD3733) Data Analytics (Projek) | <ul style="list-style-type: none"> • (BSD2223) Data Science Programming II • (BSD1323) Storytelling and Data Visualization |
| Kolej Pengurusan Dan Kemanusiaan | FPI | Finance | <ul style="list-style-type: none"> • (BPQ1213) Management Accounting • (BPC1123) Principles of Economics • (BPQ2213) Financial Management • (FIN 2/ FIN 3) Investment Management • FIN 4 Capstone Project (Projek) | <ul style="list-style-type: none"> • (BPC1123) Principles of Economics • (BPQ1213) Management Accounting |
| | | Logistics | <ul style="list-style-type: none"> • BPQ2223 Supply Chain & Logistic Management • BPE4123 Supply Chain Control & Management Control Systems • BPE4233 International Transport Logistics • BPE4243 Warehouse & Inventory Planning • BPN4013 Individual Study Project (Projek) | <ul style="list-style-type: none"> • BPQ2223 Supply Chain & Logistic Management • BPE4243 Warehouse & Inventory Planning |

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| | PBM | Speaking | <ul style="list-style-type: none"> • (UHN 2313) Language, Sounds and Structures • (UHN 2323) Language and Culture • (UHN 2333) Public Speaking Mastery • (UHN 2343) Persuasive Speaking • (UHN 2353) Capstone Project (Projek) | <ul style="list-style-type: none"> • (UHN 2313) Language, Sounds and Structures |
| | | Education | <ul style="list-style-type: none"> • (UHN 2113) Educational Philosophy & Psychology • (UHN 2123) Classroom Leadership & Management • (UHN 2133) Syllabus Design, Assessment & Evaluation • (UHN 2143) Task Based Instruction • (UHN 2153) Capstone project (Projek) | <ul style="list-style-type: none"> • (UHN 2113) Educational Philosophy & Psychology |
| | | Fictional Prose | <ul style="list-style-type: none"> • (UHN 2513) The Fictional Writer • (UHN 2523) Elements of Craft • (UHN 2533) Process Writing Exploration • (UHN 2543) Road to Publication • (UHN 2553) Capstone (Projek) | <ul style="list-style-type: none"> • (UHN 2513) The Fictional Writer • (UHN 2523) Elements of Craft |

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| | | Mandarin Language | <ul style="list-style-type: none"> • (UHT2313) Chinese Characters Writing 1 • (UHT2323) Chinese Characters Writing 2 • (UHT2333) Mandarin For Lower Intermediate • (UHT2343) Mandarin For Upper Intermediate • (UHT2353) Capstone (Projek Akhir) | <ul style="list-style-type: none"> • (UHT2313) Chinese Characters Writing 1 |
| | PSK | Halal Compliance & Certification | <ul style="list-style-type: none"> • (CHH2213) Introduction To Halal Studies • (CHH2223) Introduction To Islamic Jurisprudence • (CHH2233) Halal Quality Assurance • (CHH2243) Halal Certification Process Administration And Internal Audit Facilitation • (CHH2253) Projek | <ul style="list-style-type: none"> • (CHH2213) Introduction To Halal Studies |
| | | Islamic Studies | <ul style="list-style-type: none"> • (CHI2113) Fundamental Ibadah In Islam • (CHI2123) Introduction To Islamic Jurisprudence • (CHI2133) Fiqh Hajj & Umrah • (CHI2143) Family System In Islam • (CHI2153) Projek | <ul style="list-style-type: none"> • (CHI2113) Fundamental Ibadah In Islam • (CHI2133) Fiqh Hajj & Umrah |

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| | | <p>Psychology</p> | <ul style="list-style-type: none"> • (CHP2313) Introduction To Human Behavior • (CHP2323) Psychology In Quran & Sunnah • (CHP2333) Organizational Counseling • (CHP2343) Positive Psychology • (CHP2353) Projek | <ul style="list-style-type: none"> • (CHP2313) Introduction To Human Behavior • (CHP2333) Organizational Counseling |
| | | <p>T.R.I.Z (Teoriya Resheniya Izobreatatelskikh Zadatch) -Theory of Inventive Problem Solving</p> | <ul style="list-style-type: none"> • (CHT2413) TRIZ I • (CHT2423) TRIZ II • (CHT2433) TRIZ III • (CHT2443) TRIZ IV • (CHT2453) Projek | <p>-Tidak ditawarkan pada semester 2, sesi 2020/2021</p> |

* Senarai penawaran kursus adalah tertakluk kepada perubahan.