

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

Kolej	Fakulti/Pusat Jabatan	Bidang	Nama Kursus	Penawaran Kursus Bagi Semester 1, sesi 2020/2021
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 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 1, 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 	-Tidak ditawarkan pada semester 1, sesi 2020/2021

	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"> • (BHA1602) Technical Drawing • (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"> • (BFM4503) Robotics For Engineers
	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 	<ul style="list-style-type: none"> • (BET2373) Construction Engineering

	FTKKP	Bioprocess Development	<ul style="list-style-type: none"> • (BTK2013) Introduction to Bioprocess • (BTK2023) Bioreactor Technology • (BTK3013) Bioseparation Technology • (BTK3023) Bioprocess Optimization • (BTK4013) Capstone Project 	<ul style="list-style-type: none"> • (BTK2013) Introduction to Bioprocess
		Herbal & Medicinal Plants Processing	<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 	-Tidak ditawarkan pada semester 1, sesi 2020/2021
		Process Systems Engineering	<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 	<ul style="list-style-type: none"> • (BTK2033) Sustainability in Process Industries

			<ul style="list-style-type: none"> • (BTK4023) Capstone Project 	
Kolej Komputer & 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) • (BCM3243) Multimedia Development Workshop (Project) 	<ul style="list-style-type: none"> • (BCM2023) Fundamental Digital Media Design
		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) • (BCM3243) Computer Game Programming II (Pre-Requisite: Passed BCM3163 – Computer Game Programming I)(Project) 	<ul style="list-style-type: none"> • (BCM3103) Virtual Reality

	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"> • (BSP2153) Material Science & Technology
	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"> • (BSD2213) Data Science Programming I
Kolej Pengurusan & 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

		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 (Project) 	<ul style="list-style-type: none"> • BPQ2223 Supply Chain & Logistic Management
	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 Basics • (UHN 2523) Elements of Craft • (UHN 2533) Process Writing Exploration • (UHN 2543) Road to Publication • (UHN 2553) Capstone 	<ul style="list-style-type: none"> • (UHN 2513) The Basics
	PSK	Halal Compliance & Certification	<ul style="list-style-type: none"> • (UHE 3202) Introduction To Halal Studies • Halal Quality Assurance • Halal Certification Process Administration And Internal Audit Facilitation • Introduction To Principles Of Islamic Jurisprudence & Maqasid Al-Shariah • Projek 	<ul style="list-style-type: none"> • (UHE 3202) Introduction To Halal Studies
		Islamic Studies	<ul style="list-style-type: none"> • Introduction To Principles Of Islamic Jurisprudence & Maqasid Al-Shariah • (UHE 3192) Fundamental Ibadah In Islam • (UHE 3242) Fiqh Hajj & Umrah • (UHE 3162) Family System In Islam • Projek 	<ul style="list-style-type: none"> • (UHE 3192) Fundamental Ibadah In Islam

		<p>Psychology</p> <ul style="list-style-type: none"> • (UHE3032) Introduction To Human Behavior • Psychology In Quran & Sunnah • (UHE 3042) Organizational Counseling • (UHE3252) Positive Psychology • Projek 	(UHE 3042) Organizational Behavior
		<p>T.R.I.Z (Teoriya Resheniya Izobreatatelskikh Zadatch) -Theory of Inventive Problem Solving</p> <ul style="list-style-type: none"> • TRIZ I • TRIZ II • TRIZ III • TRIZ IV • Projek 	-Tidak ditawarkan pada semester 1, sesi 2020/2021

* Senarai penawaran kursus adalah tertakluk kepada perubahan.