

**SENARAI BIDANG DAN KURSUS DALAM SIJIL PROGRAM PENGKHUSUSAN TERBUKA (SPPT) – PENAWARAN BAGI SEMESTER 2, SESI AKADEMIK 2022/2023**

Fakulti/Pusat	Bidang	Nama Kursus	Penawaran Kursus Bagi Semester 1, Sesi 2022/2023	Penawaran Kursus Bagi Semester 2, Sesi 2022/2023
FTKEE	Artificial Intelligence of Things (AIoT)	<ul style="list-style-type: none"> <li>• Microcontroller Programming &amp; Interfacing (SPPT1)</li> <li>• Programming &amp; Data Structure (Python) (SPPT2)</li> <li>• IoT Analytics (SPPT3)</li> <li>• Practical IoT (SPPT4)</li> <li>• Capstone Project (Project)</li> </ul>	<ul style="list-style-type: none"> <li>• Microcontroller Programming &amp; Interfacing (SPPT1)</li> <li>• Programming &amp; Data Structure (Python) (SPPT2)</li> </ul>	<ul style="list-style-type: none"> <li>• Tiada penawaran pada semester 2, Sesi 2022/2023</li> </ul>
FTKMA	Computer Aided Design (CAD)	<ul style="list-style-type: none"> <li>• (BHA1602) Technical Drawing</li> <li>• (DMM1413) Engineering Drawing &amp; CAD</li> <li>• (DMM2633) Manufacturing Technology</li> <li>• (DMM2632) Industrial Design</li> <li>• Capstone Project (Project)</li> </ul>	<ul style="list-style-type: none"> <li>• (BHA1602) Technical Drawing</li> <li>• (DMM1413) Engineering Drawing &amp; CAD</li> <li>• (DMM2633) Manufacturing Technology</li> <li>• (DMM2632) Industrial Design</li> </ul>	<ul style="list-style-type: none"> <li>• (DMM2632) Industrial Design</li> </ul>

<p><b>FTKPM</b></p>	<p><b>Robotics</b></p>	<ul style="list-style-type: none"> <li>• (BFM4503) Robotics For Engineers</li> <li>• (BFM3003) Artificial Intelligence</li> <li>• (BFM4523) Autonomous Robotic System</li> <li>• (BFM4533) Robotic Prototype Design</li> <li>• BFMXXX3 Capstone Project (Project)</li> </ul>	<ul style="list-style-type: none"> <li>• (BFM4503) Robotics For Engineers</li> <li>• (BFM4533) Robotic Prototype Design</li> <li>• (BFM4533) Robotic Prototype Design</li> </ul>	<ul style="list-style-type: none"> <li>• BFM4023 - Artificial Intelligence System</li> <li>• BFM4533 - Robotics Prototype Design</li> </ul>
<p><b>FTKA</b></p>	<p><b>Construction Management</b></p>	<ul style="list-style-type: none"> <li>• (BET2373) Construction Engineering</li> <li>• (BET2413) Project Scheduling</li> <li>• (BET2422) Financial Management for Decision Making</li> <li>• (BET3582) Digital Construction Technology</li> <li>• (BET4774) Technology Design Project (Project)</li> </ul>	<ul style="list-style-type: none"> <li>• BET2373 Construction Engineering</li> <li>• BET2413 Project Scheduling</li> <li>• BET2422 Financial Management for Decision Making</li> </ul>	<ul style="list-style-type: none"> <li>• BET2373 Construction Engineering</li> <li>• BET2413 Project Scheduling</li> <li>• BET2422 Financial Management for Decision Making</li> </ul>
<p><b>FTKKP</b></p>	<p><b>Bioprocess Development</b></p>	<ul style="list-style-type: none"> <li>• (BTK2013) Introduction to Bioprocess</li> <li>• (BTK2023) Bioreactor Technology</li> <li>• (BTK3013) Bioseparation Technology</li> <li>• (BTK3023) Bioprocess Optimization</li> <li>• (BTK4013) Capstone Project (Project)</li> </ul>	<p>Tiada penawaran</p>	<ul style="list-style-type: none"> <li>• Tiada penawaran pada semester 2, Sesi 2022/2023</li> </ul>

	<p style="text-align: center;"><b>Herbal &amp; Medicinal Plants Processing</b></p>	<ul style="list-style-type: none"> <li>● (BTK2053) Introduction to Herbal &amp; Medicinal Plants</li> <li>● (BTK2063) Extraction, Isolation &amp; Identification of Phytochemicals</li> <li>● (BTK3053) GMP for Natural Products</li> <li>● (BTK3063) Development of Nutraceutical Products</li> <li>● (BTK4033) Capstone Project (Project)</li> </ul>	<ul style="list-style-type: none"> <li>● (BTK2053) Introduction to Herbal &amp; Medicinal Plants</li> <li>● (BTK3053) GMP for Natural Products</li> </ul>	<ul style="list-style-type: none"> <li>● Tiada penawaran pada semester 2, Sesi 2022/2023</li> </ul>
	<p style="text-align: center;"><b>Process Systems Engineering</b></p>	<ul style="list-style-type: none"> <li>● (BTK2033) Sustainability in Process Industries</li> <li>● (BTK2043) Computer Aided Process Modelling and Dynamics</li> <li>● (BTK3033) Process Monitoring</li> <li>● (BTK3043) Introduction to Microsoft Project and Primavera</li> <li>● (BTK4023) Capstone Project (Project)</li> </ul>	Tiada penawaran	<ul style="list-style-type: none"> <li>● Tiada penawaran</li> </ul>
<p style="text-align: center;"><b>FK</b></p>	<p style="text-align: center;"><b>Multimedia Technology</b></p>	<ul style="list-style-type: none"> <li>● BCM2023 - Fundamental Of Digital Media Design</li> <li>● (BCM3233) 3D Modelling Simulation</li> <li>● (BCM3103) Virtual Reality</li> <li>● (BCM3163) Computer Game Programming I</li> <li>● (BCM3243) Multimedia Development Workshop (Project)</li> </ul>	<ul style="list-style-type: none"> <li>● BCM2023 - Fundamental Of Digital Media Design</li> <li>● (BCM3103) Virtual Reality</li> </ul>	<ul style="list-style-type: none"> <li>● (BCM3163) Computer Game Programming I</li> <li>● (BCM3103) Virtual Reality</li> </ul>

	<b>Computer Game Development</b>	<ul style="list-style-type: none"> <li>• BCM2023 - Fundamental Of Digital Media Design</li> <li>• (BCM3233) 3D Modelling Simulation</li> <li>• (BCM3103) Virtual Reality</li> <li>• (BCM3163) Computer Game Programming I</li> <li>• BCM3203 : Computer Game Programming II /(BCM3293) Game Programming And Development</li> </ul>	<ul style="list-style-type: none"> <li>• BCM2023 - Fundamental Of Digital Media Design</li> <li>• (BCM3103) Virtual Reality</li> <li>• BCM3203 : Computer Game Programming II /(BCM3293) Game Programming And Development</li> </ul>	<ul style="list-style-type: none"> <li>• (BCM3163) Computer Game Programming I</li> <li>• (BCM3103) Virtual Reality</li> </ul>
<b>FSTI</b>	<b>Metal, Corrosion &amp; Failure Analysis</b>	<ul style="list-style-type: none"> <li>• (BSP2153) Material Science &amp; Technology</li> <li>• (BSP2133) Metals &amp; Alloys</li> <li>• (BSP3173) Corrosion</li> <li>• (BSP3183) Failure Analysis</li> <li>• BSP***3 Capstone Project (Project)</li> </ul>	<ul style="list-style-type: none"> <li>• (BSP2153) Material Science &amp; Technology</li> <li>• (BSP3173) Corrosion</li> </ul>	<ul style="list-style-type: none"> <li>• BSP2133 (Metal and Alloys)</li> <li>• BSP3183 (Failure Analysis)</li> </ul>
	<b>Applied Chemistry</b>	<ul style="list-style-type: none"> <li>• (BSK1103) Organic Chemistry</li> <li>• (BSK1143) Inorganic Chemistry</li> <li>• (BSK3153) Organic Chemistry Process</li> <li>• (BSK3163) Inorganic Chemistry Process</li> <li>• Applied Chemistry Project</li> </ul>	<ul style="list-style-type: none"> <li>• (BSK1103) Organic Chemistry</li> <li>• (BSK1143) Inorganic Chemistry</li> <li>• (BSK3153) Organic Chemistry Process</li> <li>• (BSK3163) Inorganic Chemistry Process</li> <li>• Applied Chemistry Project</li> </ul>	

<b>PSM</b>	<b>Data Analytics</b>	<ul style="list-style-type: none"> <li>• (BSD1323) Storytelling and Data Visualization</li> <li>• (BSD2213) Data Science Programming I</li> <li>• (BSD2223) Data Science Programming II</li> <li>• (BSD3533) Data Mining / 3 jam kredit</li> <li>• (BSD3733) Data Analytics (Project)</li> </ul>	<ul style="list-style-type: none"> <li>• (BSD2213) Data Science Programming I</li> <li>• (BSD3533) Data Mining / 3 jam kredit</li> </ul>	<ul style="list-style-type: none"> <li>• BSD1323 Storytelling and Data Visualization</li> <li>• BSD2223 Data Science Programming II</li> </ul>
<b>FPI</b>	<b>Finance</b>	<ul style="list-style-type: none"> <li>• BPC1123 Principles of Economics</li> <li>• BPQ1213 Management Accounting</li> <li>• BPQ2213 Financial Management</li> <li>• BPK4213 Financial Technology Innovation</li> <li>• BPN4013 Individual Study Project (Capstone)</li> </ul>	<ul style="list-style-type: none"> <li>• BPQ2213 Financial Management</li> <li>• BPK4213 Financial Technology Innovation</li> <li>• BPN4013 Individual Study Project (Capstone)</li> </ul>	<ul style="list-style-type: none"> <li>• BPC1123 Principle of Economics</li> <li>• BPQ1213 Management Accounting</li> <li>• BPN4013 Individual Study Project (Capstone)</li> </ul>
	<b>Logistics</b>	<ul style="list-style-type: none"> <li>• BPQ2223 Supply Chain &amp; Logistic Management</li> <li>• BPE4243 Warehouse &amp; Inventory Planning</li> <li>• BPE4123 Supply Chain Control &amp; Management Control Systems</li> <li>• BPE4233 International Transport Logistics</li> </ul>	<ul style="list-style-type: none"> <li>• BPE4243 Warehouse &amp; Inventory Planning</li> <li>• BPE4123 Supply Chain Control &amp;</li> <li>• BPE4233 International Transport Logistics</li> <li>• BPN4013 Individual Study Project</li> </ul>	<ul style="list-style-type: none"> <li>• BPQ2223 Supply Chain &amp; Logistic Management</li> <li>• BPN4013 Individual Study Project (Capstone)</li> </ul>

		<ul style="list-style-type: none"> <li>• BPN4013 Individual Study Project (Capstone)</li> </ul>	(Capstone)Management Control Systems	
<b>PBM</b>	<b>Bahasa Arab</b>	<ul style="list-style-type: none"> <li>• (UHT2213) Arabic Characters and Daily Activities</li> <li>• (UHT2223) Arabic for Personal and Social Life</li> <li>• (UHT2233) Arabic and The World Around Us</li> <li>• (UHT2243) Arabic for Professional Communication</li> <li>• (UHT2253) Capstone (Project)</li> </ul>	<ul style="list-style-type: none"> <li>• (UHT2213) Arabic Characters and Daily Activities</li> <li>• (UHT2223) Arabic for Personal and Social Life</li> </ul>	<ul style="list-style-type: none"> <li>• (UHT2213) Arabic Characters and Daily Activities</li> <li>• (UHT2223) Arabic for Personal and Social Life</li> </ul>
	<b>Education</b>	<ul style="list-style-type: none"> <li>• (UHN2113) Educational Philosophy &amp; Psychology</li> <li>• (UHN2123) Classroom Leadership &amp; Management</li> <li>• (UHN2133) Syllabus Design, Assessment &amp; Evaluation</li> <li>• (UHN2143) Task Based Instruction</li> <li>• (UHN2153) Capstone project (Project)</li> </ul>	<ul style="list-style-type: none"> <li>• (UHN2113) Educational Philosophy &amp; Psychology</li> <li>• (UHN2123) Classroom Leadership &amp; Management</li> </ul>	<ul style="list-style-type: none"> <li>• (UHN2133) Syllabus Design, Assessment &amp; Evaluation</li> <li>• (UHN2143) Task Based Instruction</li> </ul>

	<b>Linguistics</b>	<ul style="list-style-type: none"> <li>• (UHN2713) Wonders of Human Language: History, Society and the Mind</li> <li>• (UHN2723) Language Sound and Structure</li> <li>• (UHN2733) Morphology &amp; Syntax</li> <li>• (UHN2743) Semantics</li> <li>• (UHN2753) Capstone in Linguistic</li> </ul>	<ul style="list-style-type: none"> <li>• (UHN2713) Wonders of Human Language: History, Society and the Mind</li> <li>• (UHN2733) Morphology &amp; Syntax</li> <li>• (UHN2743) Semantics</li> </ul>	<ul style="list-style-type: none"> <li>• (UHN2713) Wonders of Human Language: History, Society and the Mind</li> </ul>
	<b>Fictional Prose</b>	<ul style="list-style-type: none"> <li>• (UHN2513) The Fictional Writer</li> <li>• (UHN2523) Elements of Craft</li> <li>• (UHN2533) Process Writing Exploration</li> <li>• (UHN2543) Towards Publication</li> <li>• (UHN2553) Capstone (Project)</li> </ul>	<ul style="list-style-type: none"> <li>• (UHN2513) The Fictional Writer</li> <li>• (UHN2523) Elements of Craft</li> </ul>	<ul style="list-style-type: none"> <li>• (UHN2533) Process Writing Exploration</li> <li>• (UHN2553) Capstone (Project)</li> </ul>
	<b>Mandarin Language</b>	<ul style="list-style-type: none"> <li>• (UHT2313) Chinese Characters Writing 1</li> <li>• (UHT2323) Chinese Characters Writing 2</li> <li>• (UHT2333) Mandarin For Lower Intermediate</li> <li>• (UHT2343) Mandarin For Upper Intermediate</li> <li>• (UHT2353) Capstone (Project Akhir)</li> </ul>	<ul style="list-style-type: none"> <li>• (UHT2323) Chinese Characters Writing 2</li> </ul>	<ul style="list-style-type: none"> <li>• (UHT2333) Mandarin For Lower Intermediate</li> <li>• (UHT2343) Mandarin For Upper Intermediate</li> </ul>

	<b>Speaking</b>	<ul style="list-style-type: none"> <li>• (UHN2313) Language Sounds and Structures</li> <li>• (UHN2323) Language and culture</li> <li>• (UHN2333) Public Speaking Mastery</li> <li>• (UHN2343) Persuasive Speaking</li> <li>• (UHN2353) Capstone</li> </ul>	<ul style="list-style-type: none"> <li>• (UHN2313) Language Sounds and Structures</li> </ul>	<ul style="list-style-type: none"> <li>• (UHN2313) Language Sounds and Structures</li> </ul>
<b>PSK</b>	<b>Halal Compliance &amp; Certification</b>	<ul style="list-style-type: none"> <li>• (CHH2213) Introduction To Halal Studies</li> <li>• (CHH2223) Introduction To Islamic Jurisprudence</li> <li>• (CHH2233) Halal Quality Assurance</li> <li>• (CHH2243) Halal Certification Process Administration And Internal Audit Facilitation</li> <li>• (CHH2253) Project</li> </ul>	<ul style="list-style-type: none"> <li>• (CHH2213) Introduction To Halal Studies</li> </ul>	<ul style="list-style-type: none"> <li>• (CHH2213) Introduction To Halal Studies</li> </ul>
	<b>Islamic Studies</b>	<ul style="list-style-type: none"> <li>• (CHI2113) Fundamental Ibadah In Islam</li> <li>• (CHI2123) Introduction To Islamic Jurisprudence</li> <li>• (CHI2133) Fiqh Hajj &amp; Umrah</li> <li>• (CHH2143) Family System In Islam</li> <li>• (CHI2153) Project</li> </ul>	<ul style="list-style-type: none"> <li>• (CHI2113) Fundamental Ibadah In Islam</li> <li>• (CHI2133) Fiqh Hajj &amp; Umrah</li> <li>• (CHH2143) Family System In Islam</li> </ul>	<ul style="list-style-type: none"> <li>• (CHI2113) Fundamental Ibadah In Islam</li> <li>• (CHI2133) Fiqh Hajj &amp; Umrah</li> <li>• (CHH2143) Family System In Islam</li> </ul>



	<b>Psychology</b>	<ul style="list-style-type: none"> <li>• (CHP2313) Introduction To Human Behavior</li> <li>• (CHP2323) Psychology In Quran &amp; Sunnah</li> <li>• (CHP2333) Organizational Counseling</li> <li>• (CHP2343) Positive Psychology</li> <li>• (CHP2353) Project</li> </ul>	<ul style="list-style-type: none"> <li>• CHP2313) Introduction To Human Behavior</li> <li>• (CHP2323) Psychology In Quran &amp; Sunnah</li> <li>• (CHP2333) Organizational Counseling</li> <li>• (CHP2343) Positive Psychology</li> </ul>	<ul style="list-style-type: none"> <li>• CHP2313) Introduction To Human Behavior</li> <li>• (CHP2323) Psychology In Quran &amp; Sunnah</li> <li>• (CHP2333) Organizational Counseling</li> <li>• (CHP2343) Positive Psychology</li> <li>• (CHP2353) Project</li> </ul>
	<b>TVET (Technical and Vocational Education and Training)</b>	<ul style="list-style-type: none"> <li>• (CHV2513) Foundation in TVET</li> <li>• (CHV2523) Leadership in the World of Work</li> <li>• (CHV2533) Training Design and Technology in Industry</li> <li>• (CHV2543) Training Methods in Industry</li> <li>• (CHV2553) Training Practical and Industrial Relation</li> </ul>	<ul style="list-style-type: none"> <li>• (CHV2513) Foundation in TVET</li> <li>• (CHV2523) Leadership in the World of Work</li> <li>• (CHV2533) Training Design and Technology in Industry</li> </ul>	<ul style="list-style-type: none"> <li>• CHV2513) Foundation in TVET</li> <li>• (CHV2523) Leadership in the World of Work</li> <li>• CHV2533) Training Design and Technology in Industry</li> </ul>