

Struktur Program Fizik (3 laluan) / Physics Programme Structure (3 tracks)

TAHUN	SEM	TERAS		CITRA UNIVERSITI				LALUAN			JUMLAH				
		Wajib Fakulti (WF)	Wajib Major (WM)	Citra Wajib (CW)	Citra Dalam (CD)		Citra Luar (CL)		Keusahawanan (U)	Industri (I)	Kesarjanaan (S)	U	I	S	
1	I	LMCE1042/ LMCE1062/ LMCE1072/ LMCE1082	STSF1012 STSF1032 STSF1062 STSF1812		STQM1913 (C3)		LMCK1331(C2) LMCK1531(C4)				15 [^]				
	II	LMCE1052	STSP1123 STQM1923 STSF1822	LMCW1022	STQS1913 (C3)	C1	LMCK1421(C3) LMCK1621(C1)	C1			15/17 [^]				
2	I	LMCE1062/ LMCE2082/ LMCE2092/ LMCE2103	STSF2092 STSF2412 STSF2812	LMCW2022 LMCW2163			LMCK2711(C5) LMCK2811(C6)	C2		STPD2113	STPD2113	15/ 16 [^]	18/ 19 [^]	18/ 19 [^]	
	II		STSF2072 STSF2822 STSF3412	LMCW2173				C4		STSN3062 STSP2113	STSP2113	9 [^]	14 [^]	12 [^]	
3	I	LMCE3051/ LMCE3061/ LMCE3071	STSF2223 STSF2612							CMIE2013##/ CMIE3016##	STSF2082 STSF (3)	STSF2082 STSF (3)	9/ 12 [^]	11 [^]	11 [^]
	II		STSF3213 STSF3422 STSF3523 STSF3992							CMIE2023##	STSN3182	STSF (2)	10/ 13 [^]	12 [^]	12 [^]
	III									CMIE2036 CMIE3033			9 [^]		
4	I		STSF3612 STSF3996								STSF (2)		8 [^]	8 [^]	10 [^]
	I		STSF4889 (12 Kredit)										12	12	12
	III														
JUMLAH		5[*]	63	10	10	20	15	15	15	123[*]					
		68[*]			40			15							

Petunjuk

- * Bagi pelajar MUET 2 mengambli 7 kredit. Bagi pelajar MUET 3 – 6 mengambli 5 kredit
 ^ Bilangan unit tidak termasuk jumlah kredit Citra C1-C6 yang tidak dinyatakan kod kursus
 ## Pilih salah satu CMIE2013 dan CMIE 2023 atau CMIE 3016

Kursus Citra Universiti

C1 – Minimum 4 kredit C2 – Minimum 4 kredit C3 – Minimum 2 kredit
 C4 – Minimum 2 kredit C5 – Minimum 2 kredit C6 – Minimum 2 kredit
 CD - Citra Dalam Fakulti – **MAKSIMUM 10 UNIT**
 CL - Citra Luar Fakulti – **MINIMUM 20 UNIT**

SENARAI KURSUS/ LIST OF COURSES

Taraf	Kursus	Tajuk	Title
Wajib Fakulti (WF)	LMCE1042	<i>Breakthrough English (MUET 2)</i>	
	LMCE1052	<i>Bridging English (MUET 2)</i>	
	LMCE1062	<i>Academic Interaction (MUET 2&3)</i>	
	LMCE3051	<i>Let's Get Talking (MUET 2)</i>	
	LMCE2082	<i>Pro-Talk English (MUET 3)</i>	
	LMCE3061	<i>Corporate Storytelling (MUET 3)</i>	
	LMCE1072	<i>Academic Literacy (MUET 4)</i>	
	LMCE2092	<i>Speak to Persuade (MUET 4)</i>	
	LMCE3071	<i>Professional Communication (MUET 4)</i>	
	LMCE1082	<i>Page to Stage (MUET 5&6)</i>	
LMCE2103	<i>Advanced Communication Project (MUET 5&6)</i>		
Wajib Major (WM)	STQM1923	Teknik Matematik II	<i>Mathematical Techniques II</i>
	STSF1012	Mekanik	<i>Mechanics</i>
	STSF1032	Gelombang dan Optik	<i>Wave and Optics</i>
	STSF1062	Termodinamik	<i>Thermodynamics</i>
	STSF1812	Makmal Fizik IA	<i>Physics Laboratory IA</i>
	STSF1822	Makmal Fizik IB	<i>Physics Laboratory IB</i>
	STSF2072	Elektronik I	<i>Electronics I</i>
	STSF2092	Fizik Matematik	<i>Mathematical Physics</i>
	STSF2223	Mekanik Kuantum I	<i>Quantum Mechanics I</i>
	STSF2412	Mekanik Klasik	<i>Classical Mechanics</i>
	STSF2612	Fizik Keadaan Pepejal I	<i>Solid State Physics I</i>
	STSF2812	Makmal Fizik IIA	<i>Physics Laboratory IIA</i>
	STSF2822	Makmal Fizik IIB	<i>Physics Laboratory IIB</i>
	STSF3213	Mekanik Kuantum II	<i>Quantum Mechanics II</i>
	STSF3412	Medan Elektromagnet I	<i>Electromagnetic Field I</i>
	STSF3422	Medan Elektromagnet II	<i>Electromagnetic Field II</i>
STSF3523	Fizik Statistik	<i>Statistical Physics</i>	
STSF3612	Fizik Keadaan Pepejal II	<i>Solid State Physics II</i>	

	STSF3992	Latihan Ilmiah I	<i>Research Project I</i>
	STSF3996	Latihan Ilmiah II	<i>Research Project II</i>
	STSF4889	Latihan Industri	<i>Industrial Training</i>
	STSP1123	Elektrik dan Magnet	<i>Electricity and Magnetism</i>
Citra Wajib (CW)	LMCW1022	Asas Keusahawanan dan Inovasi	<i>Fundamentals of Entrepreneurship and Innovation</i>
	LMCW2022	Pengurusan dan Analitik Data	<i>Data Management and Analytic</i>
	LMCW2163	Tamadun Islam dan Tamadun Asia	<i>Islamic and Asian Civilization</i>
	LMCW2173	Hubungan Etnik	<i>Ethnic Relationships</i>
Citra Dalam (CD)	STQM1913	Teknik Matematik I (C3)	<i>Mathematical Techniques I (C3)</i>
	STQS1913	Statistik Gunaan (C3)	<i>Applied Statistics (C3)</i>
Citra Luar (CL)	LMCK1331	Komunikasi Efektif (C2)	<i>Effective Communication (C2)</i>
	LMCK1421	Pemikiran Kritis dan Penyelesaian Masalah (C3)	<i>Critical Thinking and Problem Solving (C3)</i>
	LMCK1531	Kepimpinan dan Kreativiti (C4)	<i>Leadership and Creativity (C4)</i>
	LMCK1621	Etika dan Profesional (C1)	<i>Ethics and Professional (C1)</i>
	LMCK2711	Tanggungjawab Alam Sekitar (C5)	<i>Environmental Responsibility (C5)</i>
	LMCK2811	Sosial dan Kebertanggungjawaban (C6)	<i>Social and Responsibility (C6)</i>
Keusahawanan (U)	CMIE2013	Usahaniaga Asas I	<i>Junior Startup I</i>
	CMIE2023	Usahaniaga Asas II	<i>Junior Startup II</i>
	CMIE2036	Rundingcara EKS	<i>SME Consultation</i>
	CMIE3033	Kajian Kes Keusahawanan	<i>Entrepreneurship Case Study</i>
	CMIE3016	Usahaniaga Lanjutan	<i>Senior Startup</i>
Industri (I)	STPD2113	Aplikasi Komputer dalam Sains dan Teknologi	<i>Computing Applications in Science and Technology</i>
	STSP2113	Fizik Moden	<i>Modern Physics</i>
	STSF2082	Elektronik II	<i>Electronics II</i>
	STSN3062	Keselamatan Industri	<i>Industrial Safety</i>
	STSN3182	Pengurusan Keselamatan Sinaran	<i>Radiation Safety Management</i>
Kesarja naan (S)	STPD2113	Aplikasi Komputer dalam Sains dan Teknologi	<i>Computing Applications in Science and Technology</i>
	STSP2113	Fizik Moden	<i>Modern Physics</i>
	STSF2082	Elektronik II	<i>Electronics II</i>
Pilihan Elektif (P)	STSF2063	Kaedah Berangka	<i>Numerical Methods</i>
	STSF2362	Penjanaan Tenaga dan Pembangunan	<i>Energy Generation and Development</i>
	STSF2792	Fizik Bahan	<i>Materials Physics</i>
	STSF3112	Fizik Atom	<i>Atomics Physics</i>

STSF3162	Fizik Semasa	<i>Contemporary Physics</i>
STSF3182	Sejarah Pemikiran Fizik	<i>History of Physical Thought</i>
STSF3312	Astronomi	<i>Astronomy</i>
STSF3322	Astrofizik	<i>Astrophysics</i>
STSF3332	Fizik Semikonduktor	<i>Semiconductor Physics</i>
STSF3342	Superkonduktor	<i>Superconductor</i>
STSF3372	Teknologi Tenaga Suria	<i>Solar Energy Technology</i>
STSF3382	Kaedah Fizik Ujikaji	<i>Experimental Physics Methods</i>
STSF3522	Peralatan Khusus	<i>Special Instrumentation</i>
STSF3532	Fizik Komputasi	<i>Computational Physics</i>
STSF3542	Fizik Sinaran Perubatan	<i>Medical Radiation Physics</i>
STSF3732	Nanofizik	<i>Nanophysics</i>
STSF3752	Akustik	<i>Acoustics</i>
