

Please register your PEO and PO



UNIVERSITI TEKNOLOGI MARA

PO-PEO Matrix

Faculty : Applied Sciences

Program : DIPLOMA IN PT

Program Code : Asxxx

Original Design & Formulation by Dr.JJ, FSG, UiTM © Feb 2009

Enhanced Development by Dr. JJ (FSG), Dr.Hadzli & Fuad, FKE, UiTM © June 2009. Last updated 28th July 2009.

PEO No.	PROGRAM EDUCATIONAL OBJECTIVES
PEO1	semiprofessionals in polymer technology who analyze and apply the knowledge, understanding and laboratory experiences to provide quality product and services to the government agencies and polymer-related industries.
PEO2	semiprofessionals in polymer technology who lead and engage in teams in problem-solving tasks across disciplines through effective communicative abilities.
PEO3	semiprofessionals in polymer technology who continue to advance their knowledge and abilities by utilizing ICT to explore business opportunities in the polymer-related industries.
PEO4	semiprofessionals in polymer technology who practice ethical and professional values in providing services to the recipients and provider of the polymer-related industries.
PO No.	PROGRAM OUTCOMES
PO1	Able to acquire and apply knowledge and understanding of laws, theories and principles of science, mathematics and polymer technology.
PO2	Able to safely operate modern scientific tools, instruments and processing equipments necessary for science and polymer technology practices.
PO3	Able to conduct experiments, process, interpret and analyze experimental data.
PO4	Able to apply scientific reasoning in solving authentic problems.
PO5	Able to verbally communicate scientific ideas with experts and non-experts.
PO6	Able to articulate scientific investigations in written form.
PO7	Able to work in a team of multi-disciplinary projects.
PO8	Able to apply values, ethics, morality and professionalism in their scientific pursuit.
PO9	Able to manage information and engage in life-long learning.
PO10	Able to acquire and apply managerial and entrepreneurial skills.
PO11	Able to demonstrate leadership skills

Please address your PEO with respect to PO



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PO Description		PEO Description			
		PEO1	PEO2	PEO3	PEO4
		semiprofessionals in polymer technology who analyze and apply the knowledge, understanding and laboratory experiences to provide quality product and services to the government agencies and polymer-related industries.	semiprofessionals in polymer technology who lead and engage in teams in problem-solving tasks across disciplines through effective communicative abilities.	semiprofessionals in polymer technology who continue to advance their knowledge and abilities by utilizing ICT to explore business opportunities in the polymer-related industries.	semiprofessionals in polymer technology who practice ethical and professional values in providing services to the recipients and provider of the polymer-related industries.
PO1	Able to acquire and apply knowledge and understanding of laws, theories and principles of science, mathematics and polymer technology.	√			
PO2	Able to safely operate modern scientific tools, instruments and processing equipments necessary for science and polymer technology practices.	√			
PO3	Able to conduct experiments, process, interpret and analyze experimental data.	√	√		
PO4	Able to apply scientific reasoning in solving authentic problems.		√		
PO5	Able to verbally communicate scientific ideas with experts and non-experts.		√		
PO6	Able to articulate scientific investigations in written form.		√		
PO7	Able to work in a team of multi-disciplinary projects.		√		
PO8	Able to apply values, ethics, morality and professionalism in their scientific pursuit.				√
PO9	Able to manage information and engage in life-long learning.			√	
PO10	Able to acquire and apply managerial and entrepreneurial skills.			√	
PO11	Able to demonstrate leadership skills		√		

Please address your MOHE (LOKI) with respect to PO



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PO-LOKI Matrix

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PO Description		MOHE Learning Outcomes (LO)									MOHE Soft Skills (KI)						
		Knowledge in Specific Area – Content	Practical Skills	Thinking and Scientific Skills	Communication Skills	Social Skills, Teamwork and Responsibilities	Values, Ethics, Moral and professionalism	Information Management and Life Long Learning	Management and Entrepreneurship	Leadership Skills	Critical Thinking and Problem-solving Skills	Communication Skills	Teamwork Skills	Ethics & Moral Professionalisme	Life-long Learning and Information Management	Entrepreneurial Skills	Leadership Skills
		LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	SS1	SS2	SS3	SS4	SS5	SS6	SS7
PO1	Able to acquire and apply knowledge and understanding of laws, theories and principles of science, mathematics and polymer technology.	√															
PO2	Able to safely operate modern scientific tools, instruments and processing equipments necessary for science and polymer technology practices.		√														
PO3	Able to conduct experiments, process, interpret and analyze experimental data.		√														
PO4	Able to apply scientific reasoning in solving authentic problems.			√							√						
PO5	Able to verbally communicate scientific ideas with experts and non-experts.				√							√					
PO6	Able to articulate scientific investigations in written form.				√							√					
PO7	Able to work in a team of multi-disciplinary projects.					√							√				
PO8	Able to apply values, ethics, morality and professionalism in their scientific pursuit.						√							√			
PO9	Able to manage information and engage in life-long learning.							√							√		
PO10	Able to acquire and apply managerial and entrepreneurial skills.								√							√	
PO11	Able to demonstrate leadership skills									√							√

Please address your LO with respect to Program Courses (Auto-Generating)



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PROGRAM STRUCTURE-LO Matrix

Faculty : Applied Sciences

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Nos.	Component	Code	Course	Sem.	Credit Hour	MOHE Learning Outcomes (LO)								
						LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9
						Knowledge in Specific Area – Content	Practical Skills	Thinking and Scientific Skills	Communication Skills	Social skills, teamwork and responsibilities	Values, Ethics, Moral and professionalism	Information Management and Life Long Learning	Management and Entrepreneurship	Leadership Skills
1	University Elective Courses (UEC)	HBU111	Co-Curriculum 1	1	1				√	√	√			
2		BEL120	Preparatory English	1	3	√	√		√					
3		CTU101	Insan dan Manhaj Ketuhanan	1	2	√					√	√		
4		HBU121	Co-curriculum 2	2	1				√	√	√			
5		BEL260	Mainstream English 1	2	3	√	√		√					
6		CTU151	Kemasyarakatan & Kenegaraan Islam	2	2				√		√			√
7		ENT300	Basic Entrepreneurship	3	3	√					√	√	√	
8		BEL311	Mainstream English 2	3	3				√	√		√		
9		CTU201	Falsafah & Etika Sains Islam	3	2			√	√		√			
1	Program Core Service Courses (PCSC)	MAT133	Pre-Calculus	1	3	√	√					√		
2		MAT183	Calculus 1	2	3	√	√	√						
3		MAT238	Calculus 2	3	3	√	√	√						
4		CSC134	Computer & Information Processing	2	3	√	√					√		
5		QMT245	Statistics for Technology 1	4	3	√	√					√		
6		MGT126	Industrial Management	5	3	√					√		√	√
7		CHM138	Basic Chemistry	1	3	√	√			√				
8		CHM213	Physical Chemistry	3	3	√	√	√						
9		CHM207	Organic Chemistry	2	3	√	√				√			
10		PHY130	Fundamental Physics 1	1	3	√	√	√						
11		PHY131	Fundamental Physics 2	2	3	√	√		√					

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Nos.	Component	Code	Course	Sem.	Credit Hour	MOHE Learning Outcomes (LO)								
						LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9
1	Program Core Courses (PCC)	MEN122	Technical Drawing	1	2	√	√		√					
2		PST104	Basic Natural Rubber Process	3	3	√	√		√					
3		PST154	SMR & Latex Testing	3	3	√	√			√				
4		PST333	Rubber Compounding	4	3	√	√			√				
5		PST313	Polymer Machinery	4	3	√		√	√					
6		PST151	Polymer Chemistry	4	2	√		√	√					
7		PST321	Plastics Material	4	3	√	√	√						
8		PST165	NR Processing & Testing	5	3		√	√					√	
9		PST312	Polymer Physical Testing	4	3		√	√						√
10		PST383	Rubber Product Manufacture	5	3	√				√				
11		PST334	Elastomeric Materials	4	3	√			√	√				
12		PST371	Plastics Fabrication	5	3		√	√					√	
13		PST351	Polymer Characterization	5	3	√	√	√			√			
14		PST384	Latex Compounding & Technology	5	3		√	√				√		√
15		FSG331	Industrial Training	6	3		√	√	√		√	√		

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PROGRAM STRUCTURE-LO Matrix

Faculty : Applied Sciences

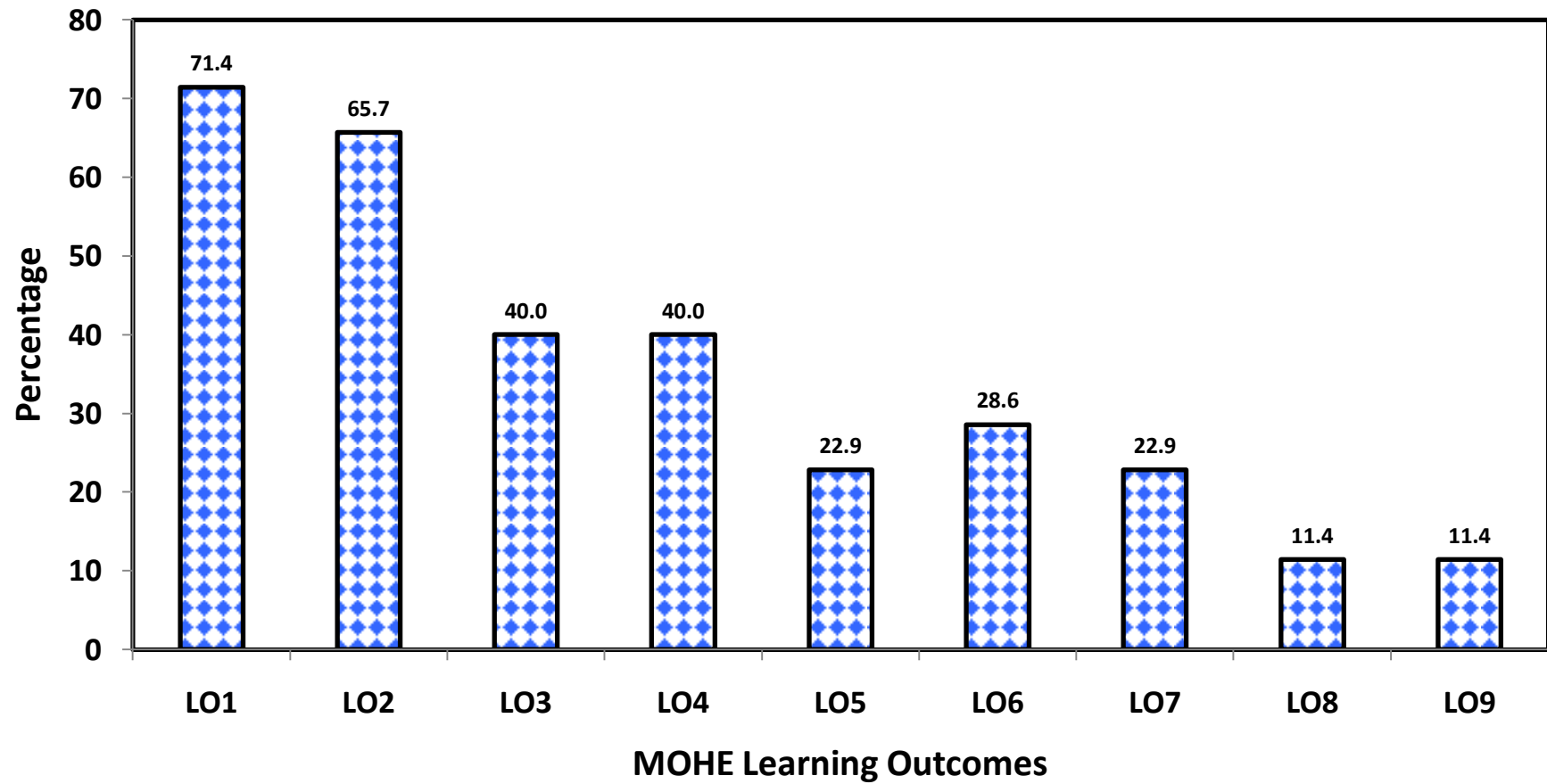
Program : DIPLOMA IN PT

Program Code : Asxxx

						MOHE Learning Outcomes (LO)								
						Knowledge in Specific Area – Content	Practical Skills	Thinking and Scientific Skills	Communication Skills	Social skills, teamwork and responsibilities	Values, Ethics, Moral and professionalism	Information Management and Life Long Learning	Management and Entrepreneurship	Leadership Skills
Nos.	Component	Code	Course	Sem.	Credit Hour	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9
Total Credit Hour =		96	Total Courses for Each LO =			25	23	14	14	8	10	8	4	4
Total UEC =		9	Total Courses for Each LO (%) =			71.4	65.7	40.0	40.0	22.9	28.6	22.9	11.4	11.4
Total PCFSC, PCFC PCC =		26												
Total PEC =		0												
Total Courses =		35												

The % for each LO must be more than than 5% !

Faculty of Applied Sciences, UiTM
Program Code: AS22x
Nos. of Courses Addressing LO (%)



Please address your PO with respect to Program Courses



UNIVERSITI TEKNOLOGI MARA

PROGRAM STRUCTURE-PO Matrix

Faculty : Applied Sciences

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Program Code : Asxxx

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Nos.	Component	Code	Course	Sem.	Credit Hour	PO Description										
						PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
						Able to acquire and apply knowledge and understanding of laws, theories and principles of science, mathematics and polymer technology.	Able to safely operate modern scientific tools, instruments and processing equipments necessary for science and polymer technology practices.	Able to conduct experiments, process, interpret and analyze experimental data.	Able to apply scientific reasoning in solving authentic problems.	Able to verbally communicate scientific ideas with experts and non-experts.	Able to articulate scientific investigations in written form.	Able to work in a team of multi-disciplinary projects.	Able to apply values, ethics, morality and professionalism in their scientific pursuit.	Able to manage information and engage in life-long learning.	Able to acquire and apply managerial and entrepreneurial skills.	Able to demonstrate leadership skills
1	University Elective Courses (UEC)	HBU111	Co-Curriculum 1	1	1					√	√	√	√			
2		BEL120	Preparatory English	1	3	√	√	√		√	√					
3		CTU101	Insan dan Manhaj Ketuhanan	1	2	√							√	√		
4		HBU121	Co-curriculum 2	2	1					√	√	√	√			
5		BEL260	Mainstream English 1	2	3	√	√	√		√	√					
6		CTU151	Kemasyarakatan & Kenegaraan Islam	2	2					√	√		√			√
7		ENT300	Basic Entrepreneurship	3	3	√							√	√	√	
8		BEL311	Mainstream English 2	3	3					√	√	√		√		
9		CTU201	Falsafah & Etika Sains Islam	3	2				√	√	√		√			
1	Program Core Service Codes (PCSC)	MAT133	Pre-Calculus	1	3	√	√	√						√		
2		MAT183	Calculus 1	2	3	√	√	√	√							
3		MAT238	Calculus 2	3	3	√	√	√	√							
4		CSC134	Computer & Information Processing	2	3	√	√	√						√		
5		QMT245	Statistics for Technology 1	4	3	√	√	√						√		
6		MGT126	Industrial Management	5	3	√							√		√	√
7		CHM138	Basic Chemistry	1	3	√	√	√				√				
8		CHM213	Physical Chemistry	3	3	√	√	√	√							
9		CHM207	Organic Chemistry	2	3	√	√	√					√			
10		PHY130	Fundamental Physics 1	1	3	√	√	√	√							
11		PHY131	Fundamental Physics 2	2	3	√	√	√		√	√					

Please address your PO with respect to Program Courses



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Nos.	Component	Code	Course	Sem.	Credit Hour	PO Description										
						PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
1	Program Core Courses (PCC)	MEN122	Technical Drawing	1	2	√	√				√					
2		PST104	Basic Natural Rubber Process	3	3	√	√				√					
3		PST154	SMR & Latex Testing	3	3	√	√	√				√				
4		PST333	Rubber Compounding	4	3	√	√	√				√				
5		PST313	Polymer Machinery	4	3	√			√		√					
6		PST151	Polymer Chemistry	4	2	√			√		√					
7		PST321	Plastics Material	4	3	√	√		√							
8		PST165	NR Processing & Testing	5	3		√		√						√	
9		PST312	Polymer Physical Testing	4	3		√		√							√
10		PST383	Rubber Product Manufacture	5	3	√						√				
11		PST334	Elastomeric Materials	4	3	√					√	√				
12		PST371	Plastics Fabrication	5	3		√	√	√						√	
13		PST351	Polymer Characterization	5	3	√	√	√	√				√			
14		PST384	Latex Compounding & Technology	5	3		√	√	√					√		√
15		FSG331	Industrial Training	6	3		√	√	√	√			√	√		

Please address your PO with respect to Program Courses



UNIVERSITI TEKNOLOGI MARA

PROGRAM STRUCTURE-PO Matrix

Faculty : Applied Sciences

Program : DIPLOMA IN PT

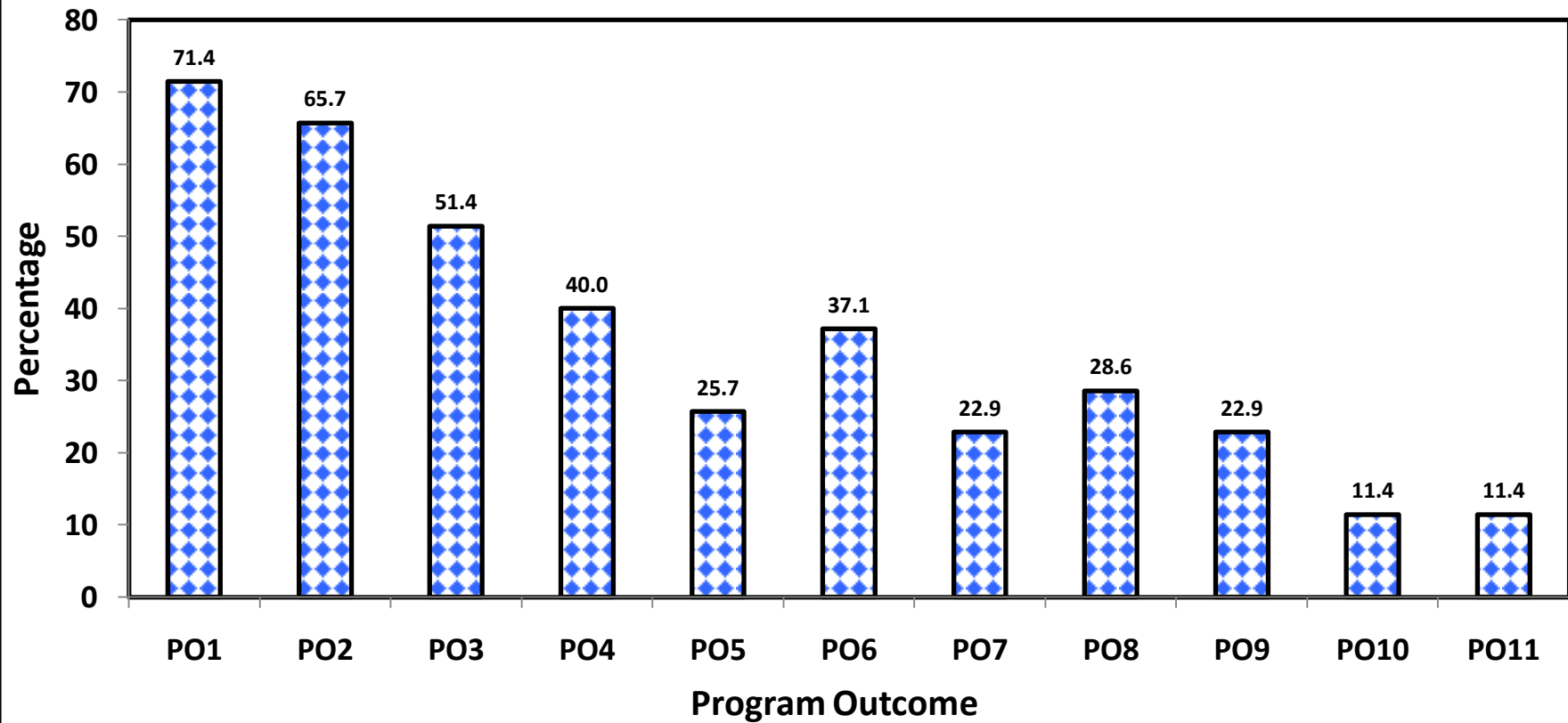
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Nos.	Component	Code	Course	Sem.	Credit Hour	PO Description										
						PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
						Able to acquire and apply knowledge and understanding of laws, theories and principles of science, mathematics and polymer technology.	Able to safely operate modern scientific tools, instruments and processing equipments necessary for science and polymer technology practices.	Able to conduct experiments, process, interpret and analyze experimental data.	Able to apply scientific reasoning in solving authentic problems.	Able to verbally communicate scientific ideas with experts and non-experts.	Able to articulate scientific investigations in written form.	Able to work in a team of multi-disciplinary projects.	Able to apply values, ethics, morality and professionalism in their scientific pursuit.	Able to manage information and engage in life-long learning.	Able to acquire and apply managerial and entrepreneurial skills.	Able to demonstrate leadership skills
Total Credit Hour =		96	Total Courses for Each PO =			25	23	18	14	9	13	8	10	8	4	4
Total UEC =		9	Total Courses for Each PO (%) =			71.4	65.7	51.4	40.0	25.7	37.1	22.9	28.6	22.9	11.4	11.4
Total PCFSC, PCFC PCC =		26														
Total PEC =		0														
Total Courses =		35														

Faculty of Applied Sciences, UiTM
Program Code: AS22x
Nos. of Courses Addressing PO (%)



Please address your PEO with respect to Program Courses (Auto-Generating)



UNIVERSITI TEKNOLOGI MARA

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Nos.	Component	Code	Course	Sem.	Credit Hour	PEO Description			
						PEO1	PEO2	PEO3	PEO4
						semiprofessionals in polymer technology who analyze and apply the knowledge, understanding and laboratory experiences to provide quality product and services to the government agencies and polymer-related industries.	semiprofessionals in polymer technology who lead and engage in teams in problem-solving tasks across disciplines through effective communicative abilities.	semiprofessionals in polymer technology who continue to advance their knowledge and abilities by utilizing ICT to explore business opportunities in the polymer-related industries.	semiprofessionals in polymer technology who practice ethical and professional values in providing services to the recipients and provider of the polymer-related industries.
1	University Elective Courses (UEC)	HBU111	Co-Curriculum 1	1	1		√		√
2		BEL120	Preparatory English	1	3	√	√		
3		CTU101	Insan dan Manhaj Ketuhanan	1	2	√		√	√
4		HBU121	Co-curriculum 2	2	1		√		√
5		BEL260	Mainstream English 1	2	3	√	√		
6		CTU151	Kemasyarakatan & Kenegaraan Islam	2	2		√		√
7		ENT300	Basic Entrepreneurship	3	3	√		√	√
8		BEL311	Mainstream English 2	3	3		√	√	
9		CTU201	Falsafah & Etika Sains Islam	3	2		√		√
1	Program Core Service Courses (PCSC)	MAT133	Pre-Calculus	1	3	√	√	√	
2		MAT183	Calculus 1	2	3	√	√		
3		MAT238	Calculus 2	3	3	√	√		
4		CSC134	Computer & Information Processing	2	3	√	√	√	
5		QMT245	Statistics for Technology 1	4	3	√	√	√	
6		MGT126	Industrial Management	5	3	√	√	√	√
7		CHM138	Basic Chemistry	1	3	√	√		
8		CHM213	Physical Chemistry	3	3	√	√		
9		CHM207	Organic Chemistry	2	3	√	√		√
10		PHY130	Fundamental Physics 1	1	3	√	√		
11		PHY131	Fundamental Physics 2	2	3	√	√		

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10		PST383	Rubber Product Manufacture	5	3	√	√		
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13		PST351	Polymer Characterization	5	3	√	√		√
14		PST384	Latex Compounding & Technology	5	3	√	√	√	
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PEO Description			
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PROGRAM STRUCTURE-PEO Matrix

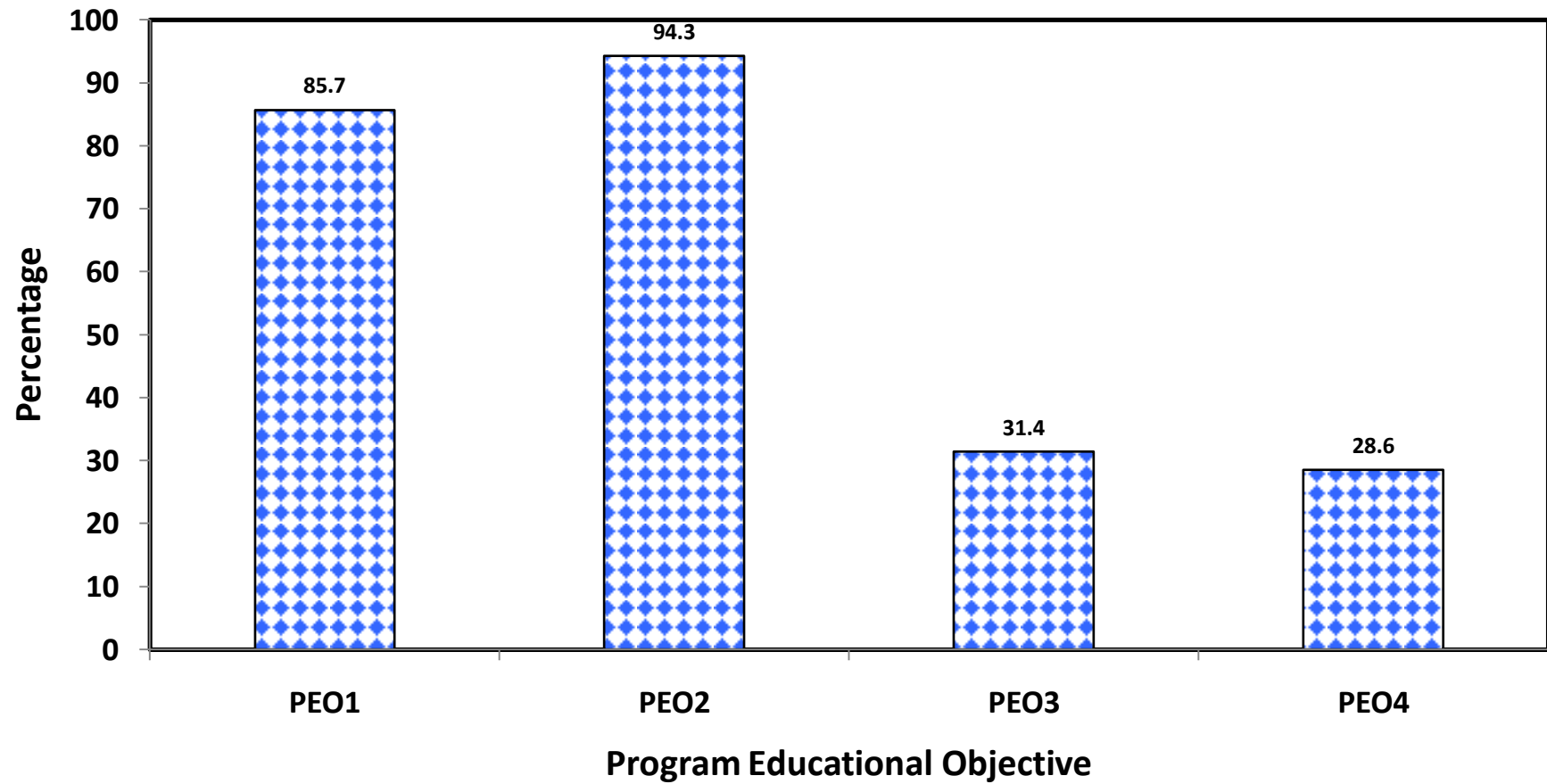
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Nos.	Component	Code	Course	Sem.	Credit Hour	PEO Description			
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Total Credit Hour =		96	Total Courses for Each PEO =			30	33	11	10
Total UEC =		9	Total Courses for Each PEO (%) =			85.7	94.3	31.4	28.6
Total PCFSC, PCFC PCC =		26							
Total PEC =		0							
Total Courses =		35							

Faculty of Applied Sciences, UiTM
Program Code: AS22x
Nos. of Courses Addressing PEO (%)



Please address your Bloom's Taxonomy domains (the depth) with respect to Program Courses



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PROGRAM STRUCTURE-Bloom's Taxonomy Matrix

Faculty : Applied Sciences

Program : DIPLOMA IN PT

Program Code : Asxxx

Nos.	Component	Code	Course	Sem.	Credit Hour	Cognitif Domain						Psychomotor Domain							Affective Domain					
						Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation	Perception	Set	Guided Response	Mechanism	Complex Overt Response	Adaptation	Origination	Receiving to Phenomena	Responding to Phenomena	Valuing	Organizing Values	Internalizing Values	
						C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5	
1	University Elective Courses (UEC)	HBU111	Co-Curriculum 1	1	1							√	√	√					√	√	√			
2		BEL120	Preparatory English	1	3	√	√	√											√	√	√			
3		CTU101	Insan dan Manhaj Ketuhanan	1	2	√	√	√	√	√	√								√	√	√	√	√	
4		HBU121	Co-curriculum 2	2	1								√	√	√					√	√	√		
5		BEL260	Mainstream English 1	2	3	√	√	√												√	√	√		
6		CTU151	Kemasyarakatan & Kenegaraan Islam	2	2	√	√	√												√	√	√	√	√
7		ENT300	Basic Entrepreneurship	3	3	√	√	√					√	√						√	√	√		
8		BEL311	Mainstream English 2	3	3	√	√	√												√	√	√		
9		CTU201	Falsafah & Etika Sains Islam	3	2	√	√	√												√	√	√	√	√
1	Program Core Service Courses (PCSC)	MAT133	Pre-Calculus	1	3	√													√	√				
2		MAT183	Calculus 1	2	3	√	√												√	√	√			
3		MAT238	Calculus 2	3	3	√	√												√	√	√			
4		CSC134	Computer & Information Processing	2	3	√	√	√	√				√	√	√					√	√	√		
5		QMT245	Statistics for Technology 1	4	3	√	√	√	√											√	√	√		
6		MGT126	Industrial Management	5	3	√	√	√	√											√	√	√		
7		CHM138	Basic Chemistry	1	3	√	√	√					√	√	√					√	√	√		
8		CHM213	Physical Chemistry	3	3	√	√	√	√				√	√	√					√	√	√		
9		CHM207	Organic Chemistry	2	3	√	√	√	√				√	√	√					√	√	√		
10		PHY130	Fundamental Physics 1	1	3	√	√	√	√				√	√	√					√	√	√		
11		PHY131	Fundamental Physics 2	2	3	√	√	√	√				√	√	√					√	√	√		

Please address your Bloom's Taxonomy domains (the depth) with respect to Program Courses



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PROGRAM STRUCTURE-Bloom's Taxonomy Matrix

Faculty : Applied Sciences

Program : DIPLOMA IN PT

Program Code : Asxxx

Nos.	Component	Code	Course	Sem.	Credit Hour	Cognitif Domain						Psychomotor Domain							Affective Domain					
						Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation	Perception	Set	Guided Response	Mechanism	Complex Overt Response	Adaptation	Origination	Receiving to Phenomena	Responding to Phenomena	Valuing	Organizing Values	Internalizing Values	
						C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5	
1	Program Core Courses (PCC)	MEN122	Technical Drawing	1	2	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓				
2		PST104	Basic Natural Rubber Process	3	3	✓	✓	✓											✓	✓				
3		PST154	SMR & Latex Testing	3	3	✓	✓	✓											✓	✓				
4		PST333	Rubber Compounding	4	3								✓	✓	✓	✓				✓	✓			
5		PST313	Polymer Machinery	4	3	✓	✓	✓											✓	✓				
6		PST151	Polymer Chemistry	4	2	✓	✓	✓											✓	✓	✓			
7		PST321	Plastics Material	4	3	✓	✓	✓					✓	✓	✓				✓	✓	✓			
8		PST165	NR Processing & Testing	5	3	✓	✓	✓					✓	✓	✓	✓			✓	✓	✓			
9		PST312	Polymer Physical Testing	4	3	✓	✓	✓					✓	✓	✓	✓			✓	✓	✓			
10		PST383	Rubber Product Manufacture	5	3	✓	✓	✓											✓	✓	✓			
11		PST334	Elastomeric Materials	4	3	✓	✓												✓	✓	✓			
12		PST371	Plastics Fabrication	5	3	✓	✓	✓					✓	✓	✓	✓			✓	✓	✓			
13		PST351	Polymer Characterization	5	3	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
14		PST384	Latex Compounding & Technology	5	3	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
15		FSG331	Industrial Training	6	3			✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓			

Please address your Bloom's Taxonomy domains (the depth) with respect to Program Courses



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PROGRAM STRUCTURE-Bloom's Taxonomy Matrix

Faculty : Applied Sciences

Program : DIPLOMA IN PT

Program Code : Asxxx

Nos.	Component	Code	Course	Sem.	Credit Hour	Cognitif Domain						Psychomotor Domain							Affective Domain				
						Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation	Perception	Set	Guided Response	Mechanism	Complex Overt Response	Adaptation	Origination	Receiving to Phenomena	Responding to Phenomena	Valuing	Organizing Values	Internalizing Values
						C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A2	A3	A4	A5
Total Credit Hour =		96	Total Program Courses for Each Depth =			24	23	21	11	1	0	15	15	15	8	2	2	0	26	26	20	0	0
Total UEC =		9	Total Program Courses for Each Depth (%) =			69	66	60	31	3	0	43	43	43	23	6	6	0	74	74	57	0	0
Total PCFSC, PCFC PCC =		26	Total Courses for Each Depth =			31	30	28	12	2	1	18	18	17	8	2	2	0	35	35	29	3	3
Total PEC =		0	Total Courses for Each Depth (%) =			89	86	80	34	6	3	51	51	49	23	6	6	0	100	100	83	9	9
Total Courses =		35																					

Cognitive			Psychomotor			Affective		
Level	Program Courses %	All Courses %	Level	Program Courses %	All Courses %	Level	Program Courses %	All Courses %
C1	69	89	P1	43	51	A1	74	100
C2	66	86	P2	43	51	A2	74	100
C3	60	80	P3	43	49	A3	57	83
C4	31	34	P4	23	23	A4	0	9
C5	3	6	P5	6	6	A5	0	9
C6	0	3	P6	6	6			
			P7	0	0			
Median	46	57	Median	23	23	Median	57	83
Level			Level			Level		

Please address)



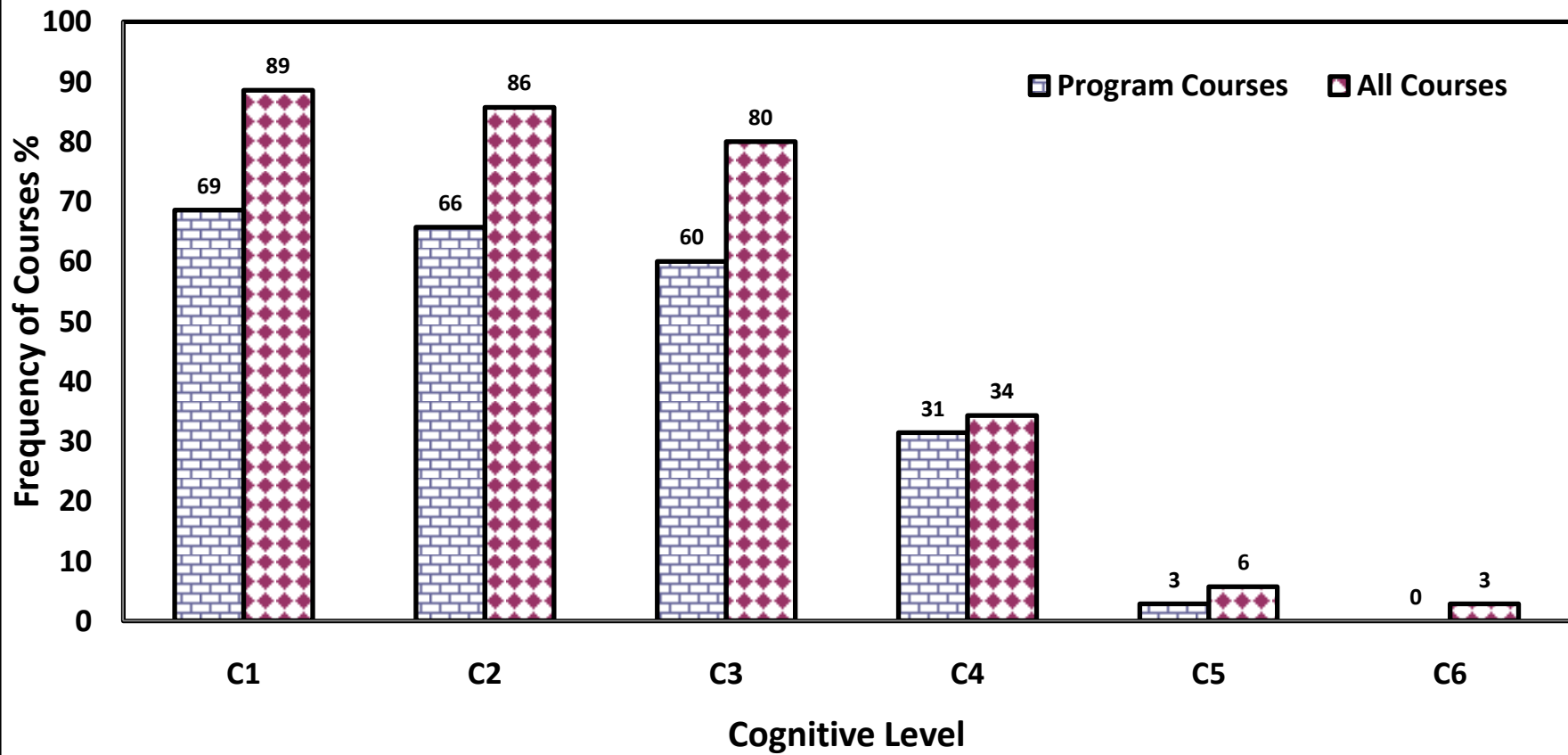
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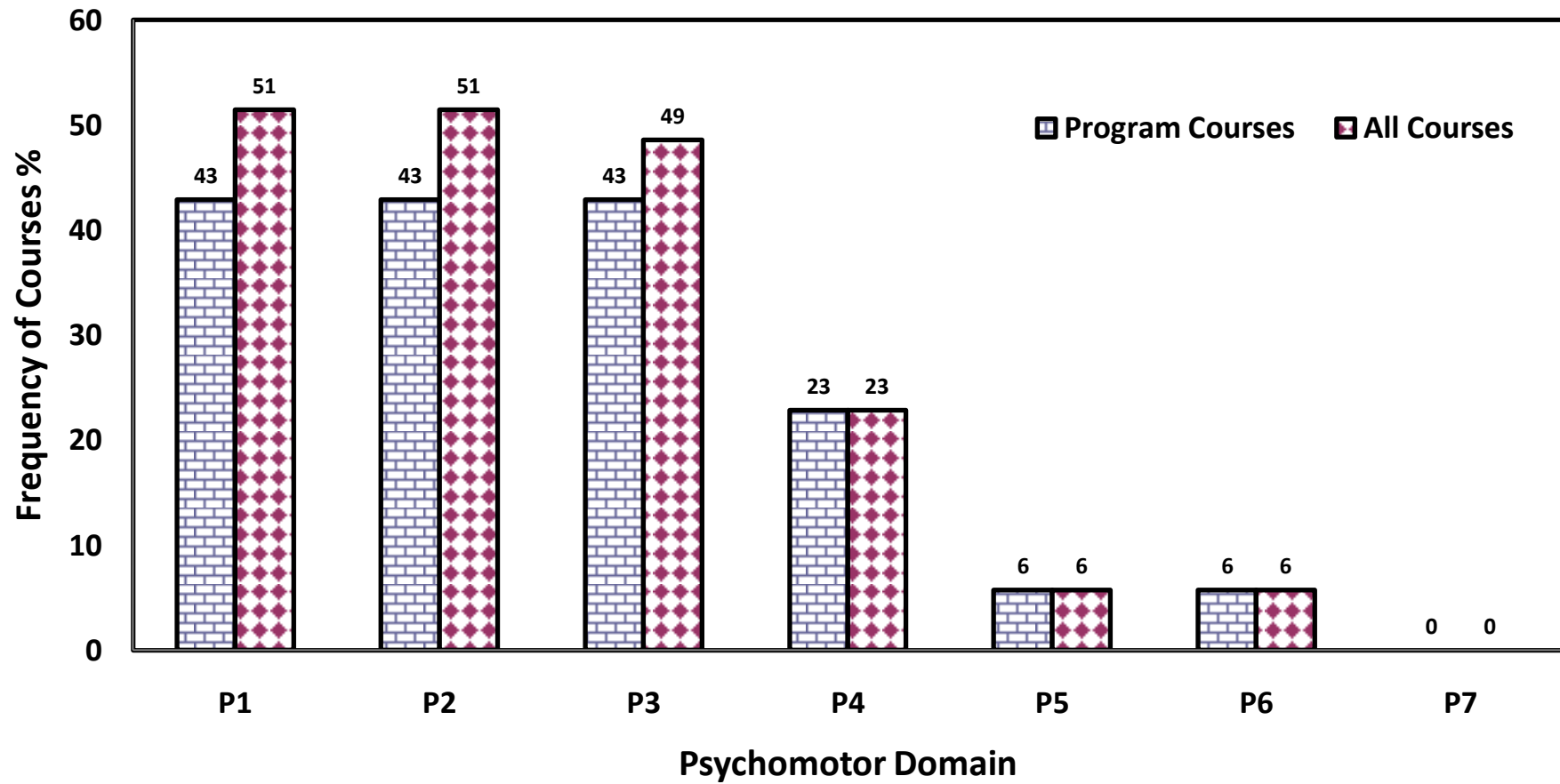
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Nos.	Component	Code	Course	Sem.	Credit Hour	Ethics & Moral Professionalisme (LO6)			Life-long Learning and Information Management (LO7)			Entrepreneurial Skills (LO8)				Leadership Skills (LO9)			
						EM1	EM2	EM3	LL1	LL2	LL3	ES1	ES2	ES3	ES4	LS1	LS2	LS3	LS4
Total Credit Hour =		96	Total Courses for Each KI =			10	10	0	8	8	0	4	0	0	0	4	4	0	0
Total UEC =		9	Total Courses for Each KI (%) =			28.6	28.6	0.0	22.9	22.9	0.0	11.4	0.0	0.0	0.0	11.4	11.4	0.0	0.0
Total PCFSC, PCFC PCC =		26																	
Total PEC =		0																	
Total Courses =		35																	

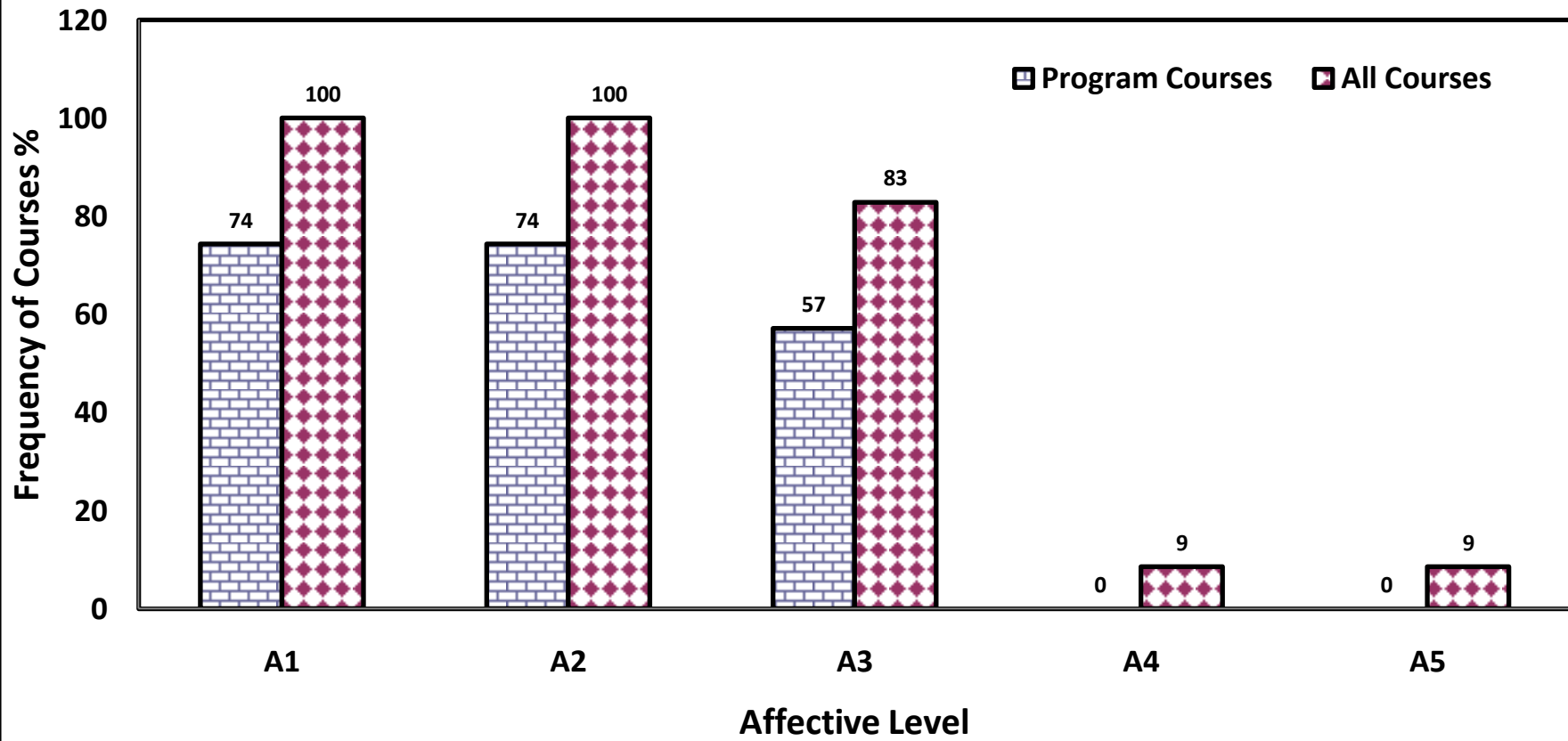
Faculty of Applied Sciences, UiTM
Program Code: AS22x
Nos. of Courses Addressing Cognitive Domain
Median for Program Courses= 46% Median for All Courses = 57%; C3-C4



Faculty of Applied Sciences, UiTM
Program Code: AS22x
Nos. of Courses Addressing Psychomotor Domain
Median for Program Courses= 23% Median for All Courses =23%; P4



Faculty of Applied Sciences, UiTM
Program Code: AS22x
Nos. of Courses Addressing Affective Domain
Median for Program Courses= 57% Median for All Courses = 83%; A3



Please address your KI components with respect to Program Courses (Auto-Generating)



UNIVERSITI TEKNOLOGI MARA

PROGRAM STRUCTURE-KI Matrix

Faculty : Applied Sciences

Program : DIPLOMA IN PT

Program Code : Asxxx

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Nos.	Component	Code	Course	Sem.	Credit Hour	MOHE Soft Skills (Kemahiran Insan-KI)																				
						Critical Thinking and Problem-solving Skills (LO3)							Communication Skills (LO4)								Teamwork Skills (LO5)					
						CTPS1	CTPS2	CTPS3	CTPS4	CTPS5	CTPS6	CTPS7	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8	TS1	TS2	TS3	TS4	TS5	
1	University Elective Courses (UEC)	HBU111	Co-Curriculum 1	1	1								√	√	√						√	√	√			
2		BEL120	Preparatory English	1	3								√	√	√											
3		CTU101	Insan dan Manhaj Ketuhanan	1	2																					
4		HBU121	Co-curriculum 2	2	1									√	√	√						√	√	√		
5		BEL260	Mainstream English 1	2	3									√	√	√										
6		CTU151	Kemasyarakatan & Kenegaraan Islam	2	2									√	√	√										
7		ENT300	Basic Entrepreneurship	3	3																					
8		BEL311	Mainstream English 2	3	3									√	√	√						√	√	√		
9		CTU201	Falsafah & Etika Sains Islam	3	2	√	√	√						√	√	√										
1	Program Core Service Courses (PCSC)	MAT133	Pre-Calculus	1	3																					
2		MAT183	Calculus 1	2	3	√	√	√																		
3		MAT238	Calculus 2	3	3	√	√	√																		
4		CSC134	Computer & Information Processing	2	3																					
5		QMT245	Statistics for Technology 1	4	3																					
6		MGT126	Industrial Management	5	3																					
7		CHM138	Basic Chemistry	1	3																	√	√	√		
8		CHM213	Physical Chemistry	3	3	√	√	√																		
9		CHM207	Organic Chemistry	2	3																					
10		PHY130	Fundamental Physics 1	1	3	√	√	√																		
11		PHY131	Fundamental Physics 2	2	3									√	√	√										

Please address your KI components with respect to Program Courses (Auto-Generating)



UNIVERSITI TEKNOLOGI MARA

PROGRAM STRUCTURE-KI Matrix

Faculty : Applied Sciences

Program : DIPLOMA IN PT

Program Code : Asxxx

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Nos.	Component	Code	Course	Sem.	Credit Hour	MOHE Soft Skills (Kemahiran Insan-KI)																			
						Critical Thinking and Problem-solving Skills (LO3)							Communication Skills (LO4)								Teamwork Skills (LO5)				
						CTPS1	CTPS2	CTPS3	CTPS4	CTPS5	CTPS6	CTPS7	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8	TS1	TS2	TS3	TS4	TS5
1	Program Core Courses (PCC)	MEN122	Technical Drawing	1	2								√	√	√										
2		PST104	Basic Natural Rubber Process	3	3								√	√	√										
3		PST154	SMR & Latex Testing	3	3																√	√	√		
4		PST333	Rubber Compounding	4	3																√	√	√		
5		PST313	Polymer Machinery	4	3	√	√	√					√	√	√										
6		PST151	Polymer Chemistry	4	2	√	√	√					√	√	√										
7		PST321	Plastics Material	4	3	√	√	√																	
8		PST165	NR Processing & Testing	5	3	√	√	√																	
9		PST312	Polymer Physical Testing	4	3	√	√	√																	
10		PST383	Rubber Product Manufacture	5	3																√	√	√		
11		PST334	Elastomeric Materials	4	3								√	√	√						√	√	√		
12		PST371	Plastics Fabrication	5	3	√	√	√																	
13		PST351	Polymer Characterization	5	3	√	√	√																	
14		PST384	Latex Compounding & Technology	5	3	√	√	√																	
15		FSG331	Industrial Training	6	3	√	√	√					√	√	√										

Please address your KI components with respect to Program Courses (Auto-Generating)



UNIVERSITI TEKNOLOGI MARA

PROGRAM STRUCTURE-KI Matrix

Faculty : Applied Sciences

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Nos.	Component	Code	Course	Sem.	Credit Hour	MOHE Soft Skills (Kemahiran Insan-KI)																			
						Critical Thinking and Problem-solving Skills (LO3)							Communication Skills (LO4)								Teamwork Skills (LO5)				
						CTPS1	CTPS2	CTPS3	CTPS4	CTPS5	CTPS6	CTPS7	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8	TS1	TS2	TS3	TS4	TS5
Total Credit Hour =		96	Total Courses for Each KI =			14	14	14	0	0	0	0	14	14	14	0	0	0	0	0	8	8	8	0	0
Total UEC =		9	Total Courses for Each KI (%) =			40.0	40.0	40.0	0.0	0.0	0.0	0.0	40.0	40.0	40.0	0.0	0.0	0.0	0.0	22.9	22.9	22.9	0.0	0.0	
Total PCFSC, PCFC PCC =		26																							
Total PEC =		0																							
Total Courses =		35																							

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Nos.	Component	Code	Course	Sem.	Credit Hour	Ethics & Moral Professionalisme (LO6)			Life-long Learning and Information Management (LO7)			Entrepreneurial Skills (LO8)				Leadership Skills (LO9)			
						EM1	EM2	EM3	LL1	LL2	LL3	ES1	ES2	ES3	ES4	LS1	LS2	LS3	LS4
1	University Elective Courses (UEC)	HBU111	Co-Curriculum 1	1	1	√	√												
2		BEL120	Preparatory English	1	3														
3		CTU101	Insan dan Manhaj Ketuhanan	1	2	√	√		√	√									
4		HBU121	Co-curriculum 2	2	1	√	√												
5		BEL260	Mainstream English 1	2	3														
6		CTU151	Kemasyarakatan & Kenegaraan Islam	2	2	√	√								√	√			
7		ENT300	Basic Entrepreneurship	3	3	√	√		√	√		√							
8		BEL311	Mainstream English 2	3	3				√	√									
9		CTU201	Falsafah & Etika Sains Islam	3	2	√	√												
1	Program Core Service Courses (PCSC)	MAT133	Pre-Calculus	1	3				√	√									
2		MAT183	Calculus 1	2	3														
3		MAT238	Calculus 2	3	3														
4		CSC134	Computer & Information Processing	2	3				√	√									
5		QMT245	Statistics for Technology 1	4	3				√	√									
6		MGT126	Industrial Management	5	3	√	√					√			√	√			
7		CHM138	Basic Chemistry	1	3														
8		CHM213	Physical Chemistry	3	3														
9		CHM207	Organic Chemistry	2	3	√	√												
10		PHY130	Fundamental Physics 1	1	3														
11		PHY131	Fundamental Physics 2	2	3														

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Nos.	Component	Code	Course	Sem.	Credit Hour	Ethics & Moral Professionalisme (LO6)			Life-long Learning and Information Management (LO7)			Entrepreneurial Skills (LO8)				Leadership Skills (LO9)			
						EM1	EM2	EM3	LL1	LL2	LL3	ES1	ES2	ES3	ES4	LS1	LS2	LS3	LS4
1	Program Core Courses (PCC)	MEN122	Technical Drawing	1	2														
2		PST104	Basic Natural Rubber Process	3	3														
3		PST154	SMR & Latex Testing	3	3														
4		PST333	Rubber Compounding	4	3														
5		PST313	Polymer Machinery	4	3														
6		PST151	Polymer Chemistry	4	2														
7		PST321	Plastics Material	4	3														
8		PST165	NR Processing & Testing	5	3							√							
9		PST312	Polymer Physical Testing	4	3										√	√			
10		PST383	Rubber Product Manufacture	5	3														
11		PST334	Elastomeric Materials	4	3														
12		PST371	Plastics Fabrication	5	3							√							
13		PST351	Polymer Characterization	5	3	√	√												
14		PST384	Latex Compounding & Technology	5	3				√	√						√	√		
15		FSG331	Industrial Training	6	3	√	√		√	√									