NAME OF HEP: UNIVERSITI TUNKU ABDUL RAHMAN

NAME OF ACCREDITED PORGRAMME: BACHELOR OF BUSINESS ADMINISTRATION (HONOURS) RETAIL MANAGEMENT

			45555	ASSESSMENT		REQUIREMENTS TO ENROL								
NO.	NAME OF MICRO-CREDENTIAL	CREDIT VALUE			MODE OF	105	EXPERIENCE		NUMERACY PROFICIENCY	None N None N	OTHERS			
		VALUE	CONTINUOUS ASSESSMENT	FINAL ASSESSMENT	DELIVERY	AGE	EXPERIENCE	LANGUAGE PROFICIENCY	NUMERACY PROFICIENCY		UTHERS			
1	MFPB32023 MICRO-CREDENTIAL:	3	60%	40%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None			
	ENGLISH FOR BUSINESS				(Blended mode)	and above		Able to demonstrate language proficiency in reading, writing, speaking	Basic Knowledge of numbers and calculations					
								and listening	calculations					
2	UFBB1053 MICRO-CREDENTIAL:	3	40%	60%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None			
	ACCOUNTING IN PRACTICE				(Blended mode)	and above		Able to demonstrate language	Basic Knowledge of numbers and					
								proficiency in reading, writing, speaking and listening	calculations					
3	UFBT1013 MICRO-CREDENTIAL:	3	50%	50%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None			
	QUANTITATIVE TECHNIQUES I				(Blended mode)	and above		Able to demonstrate language proficiency in reading, writing, speaking	Basic Knowledge of numbers and calculations					
								and listening	calculations					
4	UFBN1013 MICRO-CREDENTIAL: MANAGEMENT PRINCIPLES	3	40%	60%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None			
	MANAGEMENT PRINCIPLES				(Blended mode)	and above		Able to demonstrate language proficiency in reading, writing, speaking	Basic Knowledge of numbers and calculations					
								and listening	calculations					
5	UFBZ1013 MICRO-CREDENTIAL:	3	50%	50%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None			
	PRINCIPLES OF RETAILING				(Blended mode)	and above		Able to demonstrate language	Basic Knowledge of numbers and					
								proficiency in reading, writing, speaking and listening	calculations					
6	MFPB32013 MICRO-CREDENTIAL:	3	70%	30%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None			
	BAHASA KEBANGSAAN A				(Blended mode)	and above		Able to demonstrate language proficiency in reading, writing, speaking						
								and listening						
7	UFAE1003 MICRO-CREDENTIAL:	3	50%	50%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None			
	INTRODUCTION TO GERMAN LANGUAGE				(Blended mode)	and above		Able to demonstrate language						
								proficiency in reading, writing, speaking and listening						
8	UFAH1003 MICRO-CREDENTIAL:	3	50%	50%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None			
	INTRODUCTION TO FRENCH				(Blended mode)	and above		Able to demonstrate language proficiency in reading, writing, speaking						
								and listening						
9	UFAB2013 MICRO-CREDENTIAL:	3	50%	50%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None			
	INTRODUCTION TO JAPANESE				(Blended mode)	and above		Able to demonstrate language proficiency in reading, writing, speaking						
								and listening						
10	UFAK1003 MICRO-CREDENTIAL:	3	50%	50%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None			
	INTRODUCTION TO TAMIL LANGUAGE				(Blended mode)	and above		Able to demonstrate language proficiency in reading, writing, speaking						
								and listening						
11	UFLH1003 MICRO-CREDENTIAL:	3	60%	40%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None			
	INTRODUCTION TO CHINESE LANGUAGE				(Blended mode)	and above		Able to demonstrate language proficiency in reading, writing, speaking						
								and listening						
12	UFBB1063 MICRO-CREDENTIAL: PRINCIPLES OF MICROECONOMICS	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language	Proficiency Level - Basic Basic Knowledge of numbers and	None	None			
	TRINCIPLES OF MICROECONOMICS				(Bielided filode)	and above		proficiency in reading, writing, speaking	calculations					
								and listening						
13	UFBB1123 MICRO-CREDENTIAL:	3	50%	50%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None			
	QUANTITATIVE TECHNIQUES II				(Blended mode)	and above		Able to demonstrate language proficiency in reading, writing, speaking	Basic Knowledge of numbers and calculations					
								and listening						

14	UFBH2013 MICRO-CREDENTIAL: HUMAN RESOURCE MANAGEMENT	3	60%	40%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language	Proficiency Level - Basic Basic Knowledge of numbers and	None	None
					(blended mode)	2.10 05070		proficiency in reading, writing, speaking and listening	calculations		
15	UFBE2013 MICRO-CREDENTIAL: CONSUMER BEHAVIOUR	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
16	UFBE1013 MICRO-CREDENTIAL: PRINCIPLES OF MARKETING	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
17	UFAB1043 MICRO-CREDENTIAL: INTERPERSONAL COMMUNICATION	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
18	UFBB3113 MICRO-CREDENTIAL: APPLIED ECOMMERCE	3	100%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
19	UFCB1003 MICRO-CREDENTIAL: INTRODUCTION TO INTERNET OF THINGS AND ITS APPLICATIONS	3	40%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
20	UFCB1213 MICRO-CREDENTIAL: FUNDAMENTALS OF DIGITAL MEDIA TECHNOLOGY	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
21	UFCE2233 MICRO-CREDENTIAL: INFORMATION TECHNOLOGY IN CUSTOMER RELATIONSHIP MANAGEMEN	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
22	UFCB3133 MICRO-CREDENTIAL: BUSINESS ANALYTICS	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	UFBT1013 MICRO-CREDENTIAL: QUANTITATIVE TECHNIQUES I UFBB1123 MICRO-CREDENTIAL: QUANTITATIVE TECHNIQUES II	None
23	UFLB1003 MICRO-CREDENTIAL: CONFUCIANISM AND MODERN SOCIETY	3	60%	40%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
24	MFPB3113 MICRO-CREDENTIAL: HUBUNGAN ETNIK	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	None
25	MFPB3173 MICRO-CREDENTIAL: MALAYSIAN STUDIES 3	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	None
26	UFBB1073 MICRO-CREDENTIAL: PRINCIPLES OF MACROECONOMICS	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
27	MFPB3123 MICRO-CREDENTIAL: TAMADUN ISLAM DAN TAMADUN ASIA (TITAS)	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	None
28	MFPB3143 MICRO-CREDENTIAL: BAHASA MELAYU KOMUNIKASI 2	3	60%	40%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	None

29	UFAH2003 MICRO-CREDENTIAL:	3	50%	50%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None
29	ENGLISH FOR MANAGEMENT	5	50%	50%	(Blended mode)	and above	None	Able to demonstrate language	Basic Knowledge of numbers and	None	None
					(biended mode)			proficiency in reading, writing, speaking	calculations		
								and listening			
30	UFBE1123 MICRO-CREDENTIAL:	3	40%	60%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None
	MANAGING INFORMATION				(Blended mode)	and above		Able to demonstrate language	Basic Knowledge of numbers and		
								proficiency in reading, writing, speaking	calculations		
								and listening			
31	UFBE1053 MICRO-CREDENTIAL:	3	40%	60%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None
	BUSINESS LAW				(Blended mode)	and above		Able to demonstrate language	Basic Knowledge of numbers and		
								proficiency in reading, writing, speaking	calculations		
								and listening			
32	UFBB2023 MICRO-CREDENTIAL:	3	50%	50%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None
	ORGANISATIONAL BEHAVIOUR				(Blended mode)	and above		Able to demonstrate language	Basic Knowledge of numbers and		
								proficiency in reading, writing, speaking	calculations		
								and listening			
33	UFBN2033 MICRO-CREDENTIAL:	3	50%	50%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	Proficiency Level - Basic	None	None
	LOGISTICS MANAGEMENT				(Blended mode)	and above		Able to demonstrate language	Basic Knowledge of numbers and		
								proficiency in reading, writing, speaking	calculations		
								and listening			
34	MFPB34012 MICRO-CREDENTIAL:	2	100%	0%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None
	SOCIAL ENTREPRENEURSHIP PROJECT				(Blended mode)	and above		Able to demonstrate language			
								proficiency in reading, writing, speaking and listening			
25		2	100%	0%	CONVENTIONAL	10 Verana ald	News	ů.	N	Al	News
35	MFPB34022 MICRO-CREDENTIAL: ARTS AND CULTURAL PERFORMANCE	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language	None	None	None
	AND COLI ORAL PERFORMANCE				(Biended mode)	and above		proficiency in reading, writing, speaking			
								and listening			
36	MFPB34032 MICRO-CREDENTIAL:	2	100%	0%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None
50	COMMUNITY PROJECT	2	100%	0%	(Blended mode)	and above	None	Able to demonstrate language	None	None	None
	Commonant Prosect				(biended mode)			proficiency in reading, writing, speaking			
								and listening			
37	MFPB34042 MICRO-CREDENTIAL:	2	100%	0%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None
	LANGUAGE, CULTURE AND SOCIAL				(Blended mode)	and above		Able to demonstrate language			
	STUDY ABROAD				(,			proficiency in reading, writing, speaking			
								and listening			
38	MFPB34052 MICRO-CREDENTIAL: TEAM	2	100%	0%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None
	WORK AND COLLABORATIVE PROJECT				(Blended mode)	and above		Able to demonstrate language			
								proficiency in reading, writing, speaking			
								and listening			
39	MFPB34062 MICRO-CREDENTIAL: STUDY	2	100%	0%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None
	SOFT SKILLS AND/OR LIFE SKILLS ABROA				(Blended mode)	and above		Able to demonstrate language			
								proficiency in reading, writing, speaking			
								and listening			
40	MFPB34072 MICRO-CREDENTIAL:	2	100%	0%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None
	ART,CRAFT, AND DESIGN				(Blended mode)	and above		Able to demonstrate language			
								proficiency in reading, writing, speaking			
								and listening			
41	MFPB34082 MICRO-CREDENTIAL: ORAL	2	100%	0%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None
	COMMUNICATION				(Blended mode)	and above		Able to demonstrate language			
								proficiency in reading, writing, speaking			
								and listening			+
42	MFPB34092 MICRO-CREDENTIAL: MUSIC	2	100%	0%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None
	PERFORMANCE				(Blended mode)	and above		Able to demonstrate language			
								proficiency in reading, writing, speaking			
								and listening			
43	MFPB34102 MICRO-CREDENTIAL:	2	100%	0%	CONVENTIONAL	18 Years old	None	Proficiency in English - Intermediate	None	None	None
	MANAGING PERSONAL FINANCE				(Blended mode)	and above		Able to demonstrate language			
								proficiency in reading, writing, speaking	1		
					1	1	1	and listening	1	1	1

44	MFPB34112 MICRO-CREDENTIAL: WORK ETHICS AND EQ	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language	None	None	None
					(blended mode)			proficiency in reading, writing, speaking and listening			
45	MFPB34132 MICRO-CREDENTIAL: MANAGEMENT OF SPORTS ACTIVITY	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	None
46	MFPB34142 MICRO-CREDENTIAL: CRITICAL THINKING, CREATIVE THINKING AND PROBLEM SOLVING	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	None
47	MFPB34152 MICRO-CREDENTIAL: LEADERSHIP AND TEAMBUILDING	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	None
48	MFPB34162 MICRO-CREDENTIAL: BUSINESS PLAN WRITING & PREPARATION	2	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	None
49	UFBB1011 MICRO-CREDENTIAL: SUN ZI'S ART OF WAR AND BUSINESS STRATEGIES	1	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	None	None	None
50	UFBB2033 MICRO-CREDENTIAL: CUSTOMER RELATIONSHIP MANAGEMENT	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
51	UFBB2013 MICRO-CREDENTIAL: ENTREPRENEURSHIP	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
52	UFBBB3013 MICRO-CREDENTIAL: MERCHANDISE MANAGEMENT	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
53	UFAB3073 MICRO-CREDENTIAL: POSITIVE PSYCHOLOGY	3	60%	40%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
54	UFBB3013 MICRO-CREDENTIAL: SMALL BUSINESS MANAGEMENT	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
55	UBBK2023 MICRO-CREDENTIAL: EVENT MANAGEMENT	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
56	UFCE2103 MICRO-CREDENTIAL: FINANCIAL TECHNOLOGY	3	40%	60%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
57	UFCB3023 MICRO-CREDENTIAL: DIGITAL ENTREPRENEURSHIP	3	100%	0%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
58	UFBK3023 MICRO-CREDENTIAL: DIGITAL MARKETING	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None

59	UFBBB2013 MICRO-CREDENTIAL: SUPPLY CHAIN MANAGEMENT IN RETAIL	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
60	UFBB3213 MICRO-CREDENTIAL: RETAIL PRICING	3	60%	40%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
-	UFBB3023 MICRO-CREDENTIAL: BUSINESS ETHICS	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
62	UFBB3103 MICRO-CREDENTIAL: SERVICE MANAGEMENT	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
63	UFBE3113 MICRO-CREDENTIAL: VISUAL MERCHANDISING AND DISPLAY	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
-	MFPB33013 MICRO-CREDENTIAL: MALAYSIAN ECONOMY	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
	MFPB33023 MICRO-CREDENTIAL: BUSINESS AND SOCIETY	3	70%	30%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
	UFBK2013 MICRO-CREDENTIAL: BUSINESS FINANCE	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None
67	UFBB2113 MICRO-CREDENTIAL: INTERNATIONAL RETAILING	3	50%	50%	CONVENTIONAL (Blended mode)	18 Years old and above	None	Proficiency in English - Intermediate Able to demonstrate language proficiency in reading, writing, speaking and listening	Proficiency Level - Basic Basic Knowledge of numbers and calculations	None	None