Ming Chuan University Department of Applied Statistics and Information Science Course Outline for all students entering in 2013 Page 1 of 6

					1^{st}	year			2 nd	year			3 rd	year			4 th	year	
	Course	Credits	Hours	Fa	11	Spri	ng	Fa	11	Spring		Fall		Spring		Fa	11	Spri	ng
				class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
	Chinese Literature :	4	4	2		2													
	Appreciation and Creative Writing	- T	г																
	Practical English 1-2	0	4	1	1	1	1												
	Practical English 3-4	0	4					1	1	1	1								
	English for Business Communication 1	2	3									2	1						
	English for Business Communication 2	2	3											2	1				
	Practical English for Professionals 1	2	3													2	1		
Core Required Courses	Practical English for Professionals 2	2	3															2	1
	Applied Information Technology : Office Software	2	3	2	1														
	Applied Information Technology : Data Processing	2	3			2	1												
	General Education	12	12								-								
	Physical Education(1)-(6)	0	12	2		2		2		2		2		2					
	Subtotal	28	53																
	Statistics	6	10	3	2	3	2												
Professional	Calculus	6	10	3	2	3	2												
	Linear Algebra	3	4	3	1														
Required	Economics	6	8	3	1	3	1												
Courses	Advanced Calculus with Applications in Statistics	3	4					3	1										

					1 st	year		2^{nd} y		year			3 rd y	¹ year		4 th		year	
	Course	Credits	Hours	Fa	11	Spri	ng	Fal	11	Spri	ng	Fal	1	Spri	ng	Fa	11	Sprin	ng
				class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
	Applied Probability Theory	3	4							3	1								
	Sampling Methods	3	3					3											
	Applied Regression Analysis	3	3							3									
	Statistical Computer Softwares	3	5					3	2										
	Statistical Database	3	3							3									
Professional	Accounting	6	8					3	1	3	1								
Required	Mathematical Statistics	6	8									3	1	3	1				
Courses	Experimental Design	3	3									3							
	Applied Categorical Data Analysis	3	3											3					
	Applied Statistical Computing and Graphing	3	3									3							
	Special Topics in Statistical Information	4	4											2		2			
	Subtotal	64	84	12		9		12		12		9		8		2			1

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Ming Chuan University Department of Applied Statistics and Information Science Course Outline for all students entering in 2013 Page 3 of 6

Course Credit						1 st y	/ear			2^{nd}	year		3 rd year							
		Course	Credits	Hours	Fa	ll	Spri	ng	Fa	.11	Spri		Fa	11	Spri		Fa	.11	Spr	ing
					class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
	Required Elective Courses	Applied Programming in Statistics	3	3			3													
	Required Cou	Applied Multivariate Data Analysis	3	3											3					
		Theory of Interest	3	3					3											
	ion	Risk Theory	3	3									3							
ourses	ormati	Actuarial Mathematics-1	3	3									3							
ive Co	Business Statistics Information Group	Actuarial Mathematics-2	3	3											3					
lecti	dristics Group	Marketing Survey	3	3											3					
al E	Stai	Time Series Analysis	3	3													3			
ion	less	Data Mining	3	3													3		[<u> </u>	
Professional Elective Courses	Busir	Marketing Management	3	3													3			
P		Marketing Research	3	3															3	
		Introduction to Industrial Statistics	3	3					3											
	ics up	Quality Control	6	6					3		3							I		
	l Statistics ion Group	Reliability Methods	3	3									3						[<u> </u>	I
	l St	Linear Programming	3	3									3							
	Industrial Informati	Operations Research	3	3											3					
	dus ifori	Quality Engineering	3	3											3				[<u> </u>]	
	In In	Special Topics in Practices of Industrial Statistics	3	3													3			

Ming Chuan University Department of Applied Statistics and Information Science Course Outline for all students entering in 2013 Page 4 of 6

						1 st y	year			2^{nd}	year			3^{rd}	year		4 th year			
		Course	Credits	Hours	Fal	11	Spri		Fal		Spri		Fa		Spri		Fal		Spri	
		1			class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
		Biology Information	3	3									3							
	dno.	Applied Stochastic and Modeling	3	3									3							
ourses	ttion G1	Biology Statistical Methods	3	3											3					
ctive C	Information Group	Epidemiology	3	3											3					
Professional Elective Courses		Medicine Statistical Methods	3	3													3			
ofessic	Biology Statistics	Survival Analysis	3	3															3	
Pr	Biolog	Nonparametric Statistics	3	3							3									
		Applied Simulation	3	3											3					
		Applied Decision Methods	3	3															3	
		Japanese (I & II)	4	4					2	1	2	1								
		Insurance	3	3					3											
		Microeconomics	3	3					3											
Ger	eral	Macroeconomics	3	3							3									
Elec Cou	tive rses	Introduction to the Civil Code	3	3					3											
		Business Law	3	3							3									
		Business Management	3	3					3											
		Money and Banking	3	3									3							

					1^{st}	year			2^{nd}	year			3^{rd}	year			4 th	year]
	Course	Credits	Hours	Fa		Spri	ng	Fal		Spri	ng	Fall		Spring		Fall		Spri	ng
				class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
	Practice in	2	2									2							
	International Trade	3	3									3						ľ	
	Public Finance	3	3									3							
	Special Topics in	3	3											3					
	Statistics-1	5	5											5					
	Special Topics in	3	3													3		ľ	
	Statistics-2																		
	Financial Management	3	3													3			
	Investment	3	3															3	ļ
	Military Training	0	4	2		2													
	Education (I & II)	Ű				_													
	Nursing Education	0	4	2		2													
	(Ⅰ&Ⅱ)			-		-											ļ		
	Military Training II	0	4					2		2									
	Physical Education	4	4													2		2	
	Fundamental	3	3					3											
	Mathematics	5	5					5											
	Introduction to	3	3					3											
	Mathematics																		
	Mathematics History	3	3					3									ļ		
	Numerical Analysis	3	3							3							ļ!		
	Geometry	3	3									3					ļ		
	Topology	3	3									3					ļ!		
	Subtotal	36																	
Subtotal																			
Required	92																	ľ	
Course																		ľ	
Credits																		ļ/	l
Elective	26																		
Course	36																		
Credits																			

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Course				1 st year					2^{nd}	year			3^{rd} y	vear		4 th year			
	Course	Credits	Hours	Fal	Fall Spring		ng	Fal	1	Spring		Fal	1	Spri	ng	Fal	1	Sprii	ng
				class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
	Grand Total	128																	

Notes:

- 1. In accordance with MCU General Provisions for Study, all undergraduate students must pass the requirements for Service-Learning, English Proficiency, Information Technology Proficiency, Chinese Proficiency, Sports Ability, and Basic Professional Skills in order to graduate.
- Students are required to take at least 12 credit hours of General Education courses. There are three disciplines within General Education Humanities, Social Science and Natural Science. The courses are categorized into "Core Courses" and "Extended Courses" under each discipline. To meet the graduation requirements, students are required to take at least one 2-credit-hour course in each category of each of the disciplines.