Ming Chuan University Department of Applied Statistics and Information Science Master Course Outline for all students entering in 2016 page 1 of 2 (Graduate program)

			Hours	1 st year				2 nd yea				Course Code
Course		Credits		Fall		Spring		Fall		Spring		
				class	lab	class	lab	class	lab	class	lab	
Core Required Courses	Applied English I	2	2	2								01601
	Applied English II	2	2			2						01602
	Subtotal	4	4									
Professional Required	Statistical Methods and Data Analysis	3	3	3								95501
Courses	Structured and unstructured data processing	3	3	3								95502
	Data exploration practice	3	3			3						95503
	Statistical Consulting	1	1							1		95636
	Seminar-1	2	2			2						95504
	Seminar-2	2	2					2				95601
	Subtotal	14	14									
Professional Elective	Big Data Analysis	3	3			3						
Courses	Practice											
	Text data mining	3	3			3						
	practice											
	Survey Design and	3	3	3								95531
	Analysis											
	Design and Analysis of Experiments	3	3	3								95532
	Special Topics in	3	3	3								95533
	Nonparametric Statistics											
	Regression Analysis	3	3	3								95534
	Research											
	Actuarial Mathematics	3	3	3								95535
	Statistical Biology	3	3	3								95536

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(Graduate program)	Categorical Data Analysis	3	3	3			95541
	Multivariate Data Analysis	3	3	3			95542
Professional Elective	Advanced Design and	3	3	3			95543
Courses	Analysis of						
	Special Topics in	3	3	3			95544
	Time Series						
	Marketing Research	3	3	3			95545
	Statistical	3	3	3			95546
	Survival Analysis	3	3		3		95631
	Special	3	3		3		95632
	Topics in						
	Special Topics in	3	3		3		95633
	Operations Research						
	Practices of Marketing Survey	3	3		3		95634
	Stochastic Process	3	3		3		95635
	Applied Structural Equation Model	3	3		3		95645
	Data Mining	3	3			3	95641
	Reliability Analysis	3	3			3	95642
	Applications	2	2			2	
	Temporal statistical	3	3	3			
	Health Information	3	3	3			
	Cloud distributed programming	3	3			3	
Grand Total	Required Courses	18					
	The Minimum Credits Required for	18					
	Elective Professional Courses						
	Total	36					