

MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Institute of Electrical Engineering

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)						
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses						MUST Core Required Courses					
	<b>Subtotal</b>	0	0	0	0		<b>Subtotal</b>	0	0	0	0
Department compulsory courses	Special Research and Discussion	1	2			Department compulsory courses	Thesis	3	3	3	3
	Research Methodology and Thesis Writing			2	2						
	<b>Subtotal</b>	1	2	2	2		<b>Subtotal</b>	3	3	3	3
Department Elective Courses	Advanced Engineering Mathematics	3	3			Department Elective Courses	Thesis Research and Discussion (I)	1	1		
	Advanced Algorithms	3	3				Deep Learning	3	3		
	Wireless Systems	3	3				Wave Guided Theory	3	3		
	Advanced Electromagnetic Theory	3	3				Intelligent Antenna Theory	3	3		
	Advanced power electronics	3	3				Computer Graphics	3	3		
	Coding Theory	3	3				Artificial Intelligent	3	3		
	Motor Servo Control	3	3				Wireless Network	3	3		
	Microwave Engineering	3	3				Embedded System Programming	3	3		
	Control & Operation of Power Systems	3	3				Linux Servers and Web Application	3	3		
	Advanced Digital Signal Processing	3	3				High Frequency Circuit Design	3	3		
	Linear System Theory	3	3				Network Security	3	3		
	Big Data and Statistic Analysis Practice	3	3				Data Mining	3	3		
	Analysis and Design of PWM Control IC	3	3				Integrated Circuits	3	3		
	Control System Design, Simulation, and Practices	3	3				Lab of Property Practice (I)	9	9		
	Theory and Application of Bluetooth Technology	3	3				Thesis Research and Discussion (II)			1	1
	Topics on Vector Control of Alternating Current Motor (I)	3	3				Variable-Structure Control			3	3
	Embedded Systems and Applications			3	3		Design and Measurement of Electromagnetic Compatibility			3	3
	Elcteric product design practice			3	3		Saving and Management of Power Energy			3	3
	Nonlinear Control			3	3		Nature Inspired Algorithms			3	3
	Mobile Communication			3	3		Applications of Power Electronics			3	3
	Cellular Telecommunication Network Principle and Practice			3	3		Optimization Algorithms			3	3
	Neural Network			3	3		Advanced Computer Architecture			3	3
	Applications for Internet of Things System			3	3		DirectX Programming			3	3
	Advanced PWM Control IC Applications and Practices			3	3		Embedded System Device Driver Programming			3	3
	Mobile Devices Programming and Practices			3	3		Network Planning and Management			3	3
	Image Processing			3	3		Product Research and Management			3	3
	Control System Design and Practices			3	3		Power Electronic Control by FPGA			3	3
	iOS App Development			3	3		Lab of Property Practice (II)			9	9
	Topics on Vector Control of Alternating Current Motor (II)			3	3						
	Robust Control System Design			3	3						
	Fast Fourier Transform with Applications			3	3						

Cr./hr. =Credit/hour

Remarks:

1. Minimum graduation credits: 30 credits; compulsory credits: 9 credits, electives: 21 credits (elective credits include inter-departmental elective credits).
2. Study credits per semester: the lower limit is 1 credit.
3. The department allows inter-departmental electives, but the credits of the department's major electives cannot be 15 credits, expect Lab of Property Practice (I)(II).
3. The department allows inter-departmental electives, but the credits of the department's major electives
4. All 6 thesis credits will be granted only after passing the oral exam.
5. The elective courses are subject to change if necessary.

電機工程系 林清隆 主

半導體學院 呂明峰 長

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Electrical Engineering

1 <sup>st</sup> year(I11)					2 <sup>nd</sup> year(I12)					3 <sup>rd</sup> year(I13)							
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses					
	Classified general Education	2	2	2	2		Classified general Education	2	2								
	Classified general Education	2	2	2	2												
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
School Professional Required Courses	Applied Chinese(I)(II)	2	2	2	2	School Professional Required Courses	Technical English(III)(IV)	2	2	2	2	School Professional Required Courses					
	Technical English(I)(II)	2	2	2	2												
	Calculus (I)(II)	3	3	3	3												
	Chemistry and Chemistry Experiment	2	3														
	Basic Electricity and Electrical Experiment	2	3														
	Introduction to Computers and Programming	3	3														
	Physics and Physics Experiment			2	3												
	Introduction to Artificial Intelligence			3	3												
	<b>Subtotal</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>13</b>		<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>
Department compulsory courses	※Digital Logic Design	3	3			Department compulsory courses	Engineering Mathematics (I)(II)	3	3	3	3	Department compulsory courses	Automatic Control	3	3		
	※Electric Circuit (I)			3	3		Electronics (I)(II)	3	3	3	3		Power Systems	3	3		
	※Electric Circuit Lab (I)			1	2		Electronic Lab (I)(II)	1	2	1	2		Principles of Communications	3	3		
							Electric Circuit (II)	3	3				Special Practical Projects			1	1
	<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>5</b>		<b>Subtotal</b>	<b>11</b>	<b>13</b>	<b>11</b>	<b>13</b>		<b>Subtotal</b>	<b>9</b>	<b>9</b>	<b>1</b>	<b>1</b>
Department Elective Courses	◆◆Micro-computer Application			3	3	Department Elective Courses	◇Computer network	3	3			Department Elective Courses	◆◆Applications for Internet of Things System	3	3		
							◆◆Freezing and Air-Conditioning Engineering	3	3				◆◆App Programming	3	3		

4 <sup>th</sup> year(I14)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
School Professional Required Courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Department compulsory courses	Special Practical Projects	1	1		
	Off-Campus Internship			9	9
	<b>Subtotal</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>9</b>
Department Elective Courses	Corporate Internship	9	9		
	◆◆Innovation and Invention	3	3		
	◆◆Electrical Load Management	3	3		
	◆◆Wind Power Generation and Energy Conversion	3	3		
	◆◆Supervisory and Control of Solar Energy Generation Systems	3	3		
	◆◆Renewable Energy Generation Systems	3	3		
	◆◆Linear Control	3	3		
	◆◆System Dynamics	3	3		
	◆◆Control system integration design	3	3		
	◆◆Image Processing	3	3		
	◆◆Digital Communications	3	3		
	◆◆RFID Antenna Design	3	3		
	◆◆Introduction to EMC	3	3		
	◆◆Applications of Electromagnetic Wave	3	3		
	◆◆Handheld Device Antenna Design	3	3		
	◆◆Hand-held satellite navigation system	3	3		
	◆◆Principles and Applications of Mobile Communication	3	3		
	◆◆RFID Application Development	3	3		
	◆◆Communication Electronics	3	3		
	◆◆Introduction to Mobile Communications	3	3		
	◆◆Driving Circuit for Plane Display	3	3		
	◆◆Industrial Management	3	3		
	◆◆Electric Machine Control Practice	3	3		
	◆◆Applications of PWM Control IC	3	3		
	◆◆Solar Energy Engineering			3	3
	◆◆Electrical Machinery Design			3	3
	◆◆EMC Practice			3	3
	◆◆Digital Communication Practice			3	3
	◆◆Image Processing Practice			3	3
	◆◆Analysis of PWM Control IC			3	3

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum graduation credits: 128 credits; Compulsory credits: 95 credits Elective credits: 33 credits (elective credits include inter-departmental elective credits), the elective credits for majors in the department must not be lower than 21 credits.
- Must complete the 20 transferable inter-departmental credits (excluding core required courses (Chinese Reading and Expressions(I)(II) · English(I)(II) · Introduction to Programming · Introduction to Artificial Intelligence · Technical English(I)(II) · Applied English(I)(II) · school professional required courses, department compulsory and department elective courses.)
- In order to graduate, each student must take at least 12 credits in one of the three modular courses: Electric Power Engineering, System Engineering, and Communication Engineering, including 9 credits in regular courses and 6 credits in practice courses.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 95 compulsory credits, and at least 45 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 25. The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Electrical Engineering".
- Elective courses are subject to change if necessary.

明新科技大學電機系  
課務規劃委員會

電機工程系主任 林清隆

半導體學院院長 呂明峰

MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Institute of Electronic Engineering

1 <sup>st</sup> year(111)						2 <sup>nd</sup> year(112)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses						MUST Core Required Courses					
	Subtotal						Subtotal				
Department compulsory courses	※Seminar(I)(II)	1	1	1	1	Department compulsory courses	※Thesis(D)(II)	3	3	3	3
	Technical writing	1	2								
	Proficient Technical English			1	2						
	Subtotal	2	2	2	2		Subtotal	3	3	3	3
Department Elective Courses	AI Machine Learning Language	3	3			Department Elective Courses	ESD Layout Designs			3	3
	Digital Integrated Circuit Layout Designs	3	3				Analog Integrated Circuit Layout Designs			3	3
	Semiconductor Manufacturing and Integration Technique	3	3				Semiconductor Assembly Techniques			3	3
	Integrated Circuits Measurement Techniques	3	3				IC Measurement and Reliability Analysis			3	3
	Semiconductor Physics	3	3				PLL Integrated Circuit Layout Designs			3	3
	Power Integrated Circuits Design	3	3				Mixed Mode Integrated Circuit Designs			3	3
	Semiconductor Power Discrete Device	3	3				Design of Semiconductor Production Equipments			3	3
	Introduction to System on Chip	3	3				System on Chip Design Practice			3	3
	Memory Circuit Layout Designs	3	3				Practice of Machine Vision			3	3
	Electromagnetic Theory	3	3				Mobil Communication Industrial Analysis			3	3
	RF Circuits Design	3	3				RF IC Design			3	3
	Microwave Engineering	3	3				Microwave Circuits Design			3	3
	Microstrip Antenna Design	3	3				Mobile Antenna Design and Measurement			3	3
	Digital Communication Theory	3	3				Personal Wireless Communication System			3	3
	Zigbee Wireless Sensor Networks	3	3				STB Development for DTV			3	3
	Flat Panel Display Theory	3	3				Flat Panel Display Technology			3	3
	TCL/TK Auto-Layout Designs	3	3				Tensorflow Programming for AI			3	3
	AI Package and Testing Practices	3	3				Unity for Virtual Reality			3	3
	E-commerce System	3	3				Android Game Design			3	3
	3D Game Design	3	3				Mobile Webpage Design			3	3
Solar Photovoltaic Power Technology	3	3			Intelligent Illumination System Design			3	3		
AI Touch Technology	3	3			New-era Package and Testing Technology			3	3		

Cr./hr. =Credit/hour

Remarks:

1. Minimum graduation credits: 30 credits; compulsory credits: 10 credits, electives:20 credits (elective credits include inter-departmental elective credits).
2. Study credits per semester: the lower limit is 1 credit
3. The department allows inter-departmental electives, but the credits of the department's major electives cannot be 14credits.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. The elective courses are subject to change if necessary.

電子工程系 楊信佳 主任

明新科技大學電子系 課程教學小組

半導體學院 呂明峰 院長



MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Department of Applied Materials Science and Technology

20220420

1 <sup>st</sup> year(111)						2 <sup>nd</sup> year(112)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses						MUST Core Required Courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
School Professional Required Courses	Seminar	1	2	1	2	School Professional Required Courses					
	Research Methodology and Thesis Writing	1	2								
	<b>Subtotal</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>2</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Department compulsory courses						Department compulsory courses	Thesis	3	3	3	3
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
Department Elective Courses	Special Topic in artificial intelligence	3	3			Department Elective Courses	X Ray Diffraction	3	3		
	Special Topics in Functional Polymers	3	3				Advanced thin film materials	3	3		
	Advanced Semiconductor Manufacturing	3	3				supercritical fluid technology			3	3
	Spectroscopic Analysis			3	3		Photolithography			3	3
	Material Design Selection			3	3		Workplace Practicum(III)(IV)	2	6	2	6
	Advanced Physical Metallurgy			3	3						
	Workplace Practicum(I)(II)	2	6	2	6						

Cr./hr.=Credit/hour

Remarks:

1. Minimum graduation credits: 30 credits; compulsory credits: 9 credits, electives: 21 credits (elective credits include inter-departmental elective credits).
2. Study credits per semester: the lower limit is 1 credit
3. The department allows inter-departmental electives, but the credits of the department's major electives cannot be 15 credits.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. The elective courses are subject to change if necessary.



化材系 李其融  
主任

半導體學院 呂明峰  
院長

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)				
Course	1st semester		2 <sup>nd</sup> semester		Course	1st semester		2 <sup>nd</sup> semester		Course	1st semester		2 <sup>nd</sup> semester	
	Cr.	hr.	Cr.	hr.		Cr.	hr.	Cr.	hr.		Cr.	hr.	Cr.	hr.
Physical Education	0	2	0	2	Classified General Education	2	2	2	2					
Classified General Education	2	2	2	2	Classified General Education	2	2	2	2					
Classified General Education	2	2	2	2										
<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Chemistry and Laboratory	2	3			Ethics for Engineers	2	2							
Calculus (D)(II)	3	3	3	3	Technical English (III)(IV)	2	2	2	2					
Technical English (D)(II)	2	2	2	2										
Chinese Reading and Expressions (D)(II)	2	2	2	2										
Physical Chemistry and Laboratory	2	3												
Programming	3	3												
Introduction to Artificial Intelligence			3	3										
Basic Electricity and Electrical Experiment			2	3										
<b>Subtotal</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>13</b>	<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Introduction to Material science(D)(II)	2	2	2	2	Engineering Mathematics	3	3			Project Research (D)(II)	1	1	1	1
Analytical chemistry experiment			2	3	Fundamentals of Instrumental Analysis and Lab	2	3			Materials Thermodynamics	3	3		
					Physical Metallurgy	3	3			Material Engineering Laboratory	2	3		
					Physical Chemistry and Experiments	2	3			Semiconductor Process Technology	3	3		
					Metals and inorganic materials		3	3		material mechanical properties		3	3	
					Electronic Materials		3	3		Materials Analysis and Experiments		2	3	
					Organic Chemistry and Laboratory		2	3		Semiconductor process experiment		2	3	
<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>Subtotal</b>	<b>7</b>	<b>9</b>	<b>4</b>	<b>6</b>	<b>Subtotal</b>	<b>6</b>	<b>7</b>	<b>6</b>	<b>7</b>
Introduction to semiconductor materials industry	2	2			Vacuum Technology	3	3			Chemical Engineering Practices	3	3		
Creative Wisdom Materials	3	3			Inorganic Chemistry	3	3			Optoelectronic Material and Application	3	3		
Introduction to Green Materials			3	3	Polymeric Materials		2	2		Introduction to Solar Cell Materials		3	3	
Practice of Innovative and Creative			2	2						Introduction to Flat Panel Display		3	3	
										Nanotechnology and Materials		3	3	
										printed circuit board fabricating processes		3	3	
										Mechanical Properties of Materials		2	2	

4 <sup>th</sup> year(114)				
Course	1st semester		2 <sup>nd</sup> semester	
	Cr.	hr.	Cr.	hr.
WST Core Required Courses				
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
School Professional Required Courses				
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Department compulsory courses			9	9
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>9</b>
Department Elective Courses				
Introduction to Biotechnology	3	3		
Patent search and writing	3	3		
Hydrogen energy and fuel cells	3	3		
Cleaner production technology			3	3
Application of composite materials			3	3
Introduction to Biomimetic Materials			3	3
Internship	9	9		

Cr./hr. =Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum graduation credits: 128 credits; Compulsory credits: 96 credits; Elective credits: 32 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 20 credits.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including compulsory credits, and at least 44 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 32. The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Applied Materials Science and Technology.
- Elective courses are subject to change if necessary.



化材系 主任 李其融

半導體學院 院長 呂明峰

MUST Curriculum Planning for Graduate Students for Academic Year  
2022-2023,  
Institute of Semiconductor and Electro-Optical Technology

1st year(111)					2nd year(112)						
	Course	1st semester		2nd semester			Course	1st semester		2nd semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Require d Courses						MUST Core Required Courses	Thesis	3	3	3	3
	<b>Subtotal</b>						<b>Subtotal</b>	3	3	3	3
Departm ent compuls ory courses	Seminar(I)(II)	1	2	1	2	Department compulsory courses					
	Technical English Writing and Research Methodology	1	2								
	Proficient Technical English			1	2						
	<b>Subtotal</b>	2	4	2	4		<b>Subtotal</b>				
Departm ent Electiv e Courses	Optoelectronic Engineering(I)	3	3			Department Elective Courses	Measurement Technology of Thin Films	3	3		
	Optical Engineering	3	3				Measurement Technology of Optical Device	3	3		
	Introduction to Semiconductor Manufacturing Technology	3	3				Micro Opto Electro Mechanical System Engineering	3	3		
	Optical Fiber Device	3	3				Emitting semiconductor measurement analysis	3	3		
	Optoelectronics	3	3				Solar Photovoltaic Power Technology	3	3		
	Optical Design and Simulation	3	3				Optical Fiber Communcations	3	3		
	Optoelectronic Engineering(II)			3	3		Optical Testing	3	3		
	Optical Appliation Engineering			3	3		Nano Bio-photonics			3	3
	Panel Display Theory Technology			3	3		Optical Thin Film			3	3
	Semiconductor process integration			3	3		Plasma Deposition Techniques			3	3
	Material and Device Characterizations of Light Emitting Diodes			3	3		Lighting technology			3	3
	Semiconductor Physics and Devices			3	3		Patent Search and Writing			3	3
	Solid State Lighting Driver Technologies			3	3		Design and Manufacture of LED Lighting Products			3	3
					Photoelectric mechanism			3	3		

Cr./hr. =Credit/hour

**Remarks:**

1. Minimum graduation credits: 30 credits; compulsory credits: 10 credits, electives: 20 credits (elective credits include inter-departmental elective credits).
2. Study credits per semester: the lower limit is 1 credit
3. The department allows inter-departmental electives, but the credits of the department's major electives cannot be 14 credits.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. The elective courses are subject to change if necessary.

光電系課程  
規劃委員6

光電系主任  
楊寶廣

半導體學院  
院長 呂明峰





MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Institute of Precision Mechatronics Engineering

1 <sup>st</sup> year(111)						2 <sup>nd</sup> year(112)						
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.	
MUST Core Required Courses						MUST Core Required Courses						
	<b>Subtotal</b>						<b>Subtotal</b>					
Department compulsory courses	Research Methodology and Thesis Writing	1	2			Department compulsory courses	Thesis	3	3	3	3	
	SeminarI/SeminarII	1	2	1	2							
	<b>Subtotal</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>2</b>		<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	
Department Elective Courses	Precision Machine Design	3		3		Department Elective Courses	Welding Metallurgy	3		3		
	Introduction to Robotics	3		3			Introduction to Artificial Intelligence	3		3		
	Finite Element Method and Engineering Application	3		3			Advanced Artificial Intelligence	3		3		
	3D Reverse Rapid Design	3		3			Applied Techniques of Fluid Mechanics	3		3		
	Materials Design and Selection	3		3			Precision Machine Design(II)	3		3		
	Special Topics of Semiconductor Technology	3		3			Computer-Aided Engineering - Case Study	3		3		
	Intelligent Mechatronics and Industrial Internet of Things	3		3			Metallurgy and properties of Mechanical	3		3		
	Laser Technology and Application	3		3			Introduction to Modern Control Methods	3		3		
	Practice of Computer Control System	3		3			Advance Heat Transfer Practical	3		3		
	Internship Practical Training(I)	9		9			Green technology and engineering	3		3		
							Internship Practical Training(II)	9		9		

Cr./hr.=Credit/hour

Remarks:

1. Minimum credits required for graduation are 30 credits (9 required credits and at least 21 elective credits)
2. Study credits per semester: the lower limit is 1 credit.
3. The department allows inter-departmental electives, but the credits of the department's major electives cannot be 5 credits.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. In order to graduate, each graduate student must take at least two or more all-English courses amounting to at least 4 credits.
6. Internship(I) and Internship(II) not included in elective credits.
7. Graduate students shall take 6-20 credits each semester for the 1st academic year and 3-21 credits each semester during the 2nd academic year.
8. The elective courses are subject to change if necessary.

明新學校財團法人明新科技大學  
機械工程系課程規劃委員會

機械系黃淑芳  
組員

機械系主任  
王進安

工程學院劉崇治  
院長

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Mechanical Engineering

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)									
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.		
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified General Education	2	2	2	2	MUST Core Required Courses							
	Classified General Education	2	2	2	2		Classified General Education	2	2										
	Classified General Education	2	2	2	2														
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>						
School Professional Required Courses	Calculus (I) (II)	3	3	3	3	School Professional Required Courses	Technical English (III) (IV)	2	2	2	2	School Professional Required Courses							
	Physics (I) (II)	2	2	2	2														
	Ethics for Engineers	2	2																
	Applied Chinese(I)(II)	2	2	2	2														
	Technical English(I)(II)	2	2	2	2														
	Introduction to Programming	3	3																
	Introduction to Artificial Intelligence			3	3														
	<b>Subtotal</b>	<b>14</b>	<b>14</b>	<b>12</b>	<b>12</b>		<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>						
Department compulsory courses	Manufacturing Processes	2	2			Department compulsory courses	Computer Aided Mechanical Drafting	2	3			Department compulsory courses	Material Testing	2	3				
	Shop Practice (I)	2	3				Hydraulics and Pneumatics Practice	3	3				CNC Machine Tools Practice	2	3				
	Shop Practice (II)			2	3		Applied Mechanics (Statics)	2	2				Design of Machine Elements	3	3				
	Introduction to Mechatronics			2	2		Mechatronics and Practice	2	2				Thermodynamics	2	2				
	Mechanical Drawing			2	3		Engineering Mathematics (I)	3	3				Project (I)(II)	1	1	1	1		
							Control Technology in PLC with Laboratory Dynamics	1	2				Mechanical Design and Drawing				2	3	
							Mechanics of Materials (I)			2	2		Fluid Thermal Experiment				1	2	
							Mechanism			3	3		Precision Instrument and Parts Inspections				2	2	
							Materials of Mechanical Engineering			3	3								
							Introduction to Mechatronics			2	3								
					Automatic Control Practice			3	3										
					Electronics Practice			2	2										
	<b>Subtotal</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>		<b>Subtotal</b>	<b>13</b>	<b>15</b>	<b>17</b>	<b>18</b>		<b>Subtotal</b>	<b>10</b>	<b>12</b>	<b>6</b>	<b>8</b>		
Department Elective Courses						Department Elective Courses						Department Elective Courses	Intelligent Manufacturing Practice	3	3				
														The Microprocessor Practice	3	3			
														Introduction to Green Technique and Engineering	3	3			
														Semiconductor Manufacturing Process and Equipments	3	3			
														Engineering Mathematics (II)			3	3	
														Heart Treatment			3	3	
														Surface Engineering			3	3	
														Pneumatic Control Technology			3	3	
														Computer-Aided Design			3	3	
														Robotic Engineering			3	3	
														Computer-Aided Manufacturing			3	3	
														Graphic Language Design			3	3	
														Technology in Reverse Engineering			3	3	
											System Integration Practice			3	3				
											Technology in Laser Manufacturing			3	3				

4 <sup>th</sup> year(114)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>				
School Professional Required Courses					
	<b>Subtotal</b>				
Department compulsory courses	Internship			9	9
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>9</b>
Department Elective Courses	Automatic Optical Inspection Technology	3	3		
	Mold Flow Analysis	3	3		
	Introduction to Nanotechnology	3	3		
	Computer-Aided Engineering	3	3		
	Application of the Measurement Technology	3	3		
	Practice in Solar Thermal Energy	3	3		
	Human Machine Interface (HMI) Practice	3	3		
	Materials Science and Engineering	3	3		
	The Theory of Inventive Problem Solving	3	3		
	CAD/CAM Practice and Application	3	3		
	Practices of Interdisciplinary Creativity	3	3		
	Creative Design of Mechanical Devices			3	3
	Computer-Aided Mold Design			3	3
	Practice of Automatic Precision Machinery Design			3	3
Theory and Practice of Mechanical Vibrations			3	3	

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4<sup>th</sup> year.
- Minimum credits required for graduation: 128 credits including 109 compulsory credits, and at least 19 elective credits (7 interdepartmental credits are included).
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 109 compulsory credits, and at least 31 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 19. The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Mechanical Engineering.
- Elective courses are subject to change if necessary.

明新學校財團法人明新科技大學  
機械工程系課程規劃委員會

機械系系主任 王進安  
10

工程學院院長 劉崇治

MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Institute of Civil Engineering and Environmental Informatics(Continuing Education)

1 <sup>st</sup> year(111)						2 <sup>nd</sup> year(112)					
	Course	1st semester		2 <sup>nd</sup> semester			Course	1st semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
School Professional Required Courses	Seminar(—)(—)	1	2	1	2	School Professional Required Courses					
	Research Methodology and Thesis Writing	1	2								
	Subtotal	2	4	1	2		Subtotal				
Department compulsory courses						Department compulsory courses	Thesis	3	3	3	3
	Subtotal						Subtotal	3	3	3	3
Department Elective Courses	Techniques for Spatial Information	3	3			Department Elective Courses	Engineering Law and Arbitration	3	3		
	Engineering of Soil Water Conservation	3	3				Environmental Policy and Specifications	3	3		
	Application of Architectural and Structural Engineering	3	3				Advanced Topics on Bridge Engineering	3	3		
	International Construction Management	3	3				Project Management	3	3		
	Environmental Management System	3	3				Soil Improvement Special Top	3	3		
	Risk Control	3	3				Independent Study	1	1	1	1
	Green Energy & Low-carbon Industry Development	3	3								
	Application for Engineering Materials	3	3								
	Applications for Geotechnical Engineering	3	3								
	Construction of Steel Structure	3	3								
	Rock Mechanics	3	3								
	Risk Analysis and Management			3	3						
	GIS Applications			3	3						
	Application for Construction Technology			3	3						
	Disaster Prevention			3	3						
	Waste Applications Used in the Engineering			3	3						
	Environmental Remote Sensing			3	3						
	Resources Management & Technology			3	3						
	Energy Management			3	3						
	Multivariate Analysis			3	3						

Cr./hr.=Credit/hour

Remarks:

- 1.Credits required for graduation are 30 credits, 9 compulsory credits and 21 elective credits (the professional elective course credits shall be at least 15 credits.)
- 2.Study credits per semester: The minimum limit is 1 credit,
- 3.The department allows inter-departmental electives, but the credits of the department's major electives shall not be less than 15 credits.
4. All 6 thesis credits are offered in 2 semesters. will be granted only after passing the oral exam.
- 5.The elective courses are subject to change if necessary.

土環系 林新華  
副教授

土環系 張崑宗  
主任

工程學院 劉崇治  
院長

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Civil Engineering and Environmental Informatics

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)									
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.		
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses							
	Classified general Education	2	2	2	2		Classified general Education	2	2										
	Classified general Education	2	2	2	2														
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
School Professional Required Courses	Calculus(I)(II)	3	3	3	3	School Professional Required Courses	Technical English(III)(IV)	2	2	2	2	School Professional Required Courses							
	Physics(I)(II)	2	2	2	2		Ethics for Engineers	2	2										
	Technical English(I)(II)	2	2	2	2														
	Applied Chinese(I)(II)	2	2	2	2														
	Introduction to Computers and Programming	3	3																
	Introduction to artificial intelligence			3	3														
	<b>Subtotal</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Department compulsory courses	Introduction to Civil Engineering & Environment and Resources	2	2			Department compulsory courses	Applied Mathematics	3	3			Department compulsory courses	Structure Analysis	3	3				
	General Surveying & Lab	3	3				Hydrology	2	2				Construction Management	3	3				
	Computer Aided Drafting(I)			3	3		Concrete Mix Design	3	3				Soil Mechanics & Lab	3	3				
	Civil Engineering Materials & Practice			3	3		Illustration of Engineering Drawings	3	3				Construction Cost Estimating			3	3		
							Engineering Mechanics			2	2		Reinforced Concrete			3	3		
							Civil Engineering Construction			3	3		Foundation Engineering & Practice			3	3		
	<b>Subtotal</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>6</b>		Practice and Concept of BIM			3	3		Special Topic Projects	1	1	1	1		
Department Elective Courses						Department Elective Courses	Introduction to Environmental Engineering	3	3			Department Elective Courses	Natural Hazard Mitigation	3	3				
							Engineering Geology	3	3				Solid Waste Treatment	3	3				
							Computer Aided Drafting(II)	3	3				Construction Site Investigation			3	3		
							Environmental Ecology	3	3				Safety & Health Management	3	3				
							Environmental Education and Sustainable Development	3	3				UAV Operation Practice	3	3				
							Engineering Surveying Practice	3	3				Construction Laws	3	3				
							Geographic Information System			3	3		Application and Management of BIM	3	3				
							Water and Soil Conservation Engineering			3	3		Engineering Practical Training (I)	2	2				
							Water Pollution Control			3	3		Engineering Quality Management			3	3		
							Ecological Engineering			3	3		Practice of Non-destructive Testing			3	3		
							Environmental and Resource Management			2	2		Bridge Engineering			3	3		
													Contract and Specifications			3	3		
													Sewer Engineering			3	3		
													Engineering Pollution Control			3	3		
										Sustainable Building			3	3					
										Practice of Intelligent Environmental Monitoring			3	3					
										Practice of Soil Improvement			3	3					

4 <sup>th</sup> year(114)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
School Professional Required Courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Department compulsory courses	Off-Campus Practice Training			9	9
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>9</b>
Department Elective Courses	Environmental Impact Assessment	3	3		
	Practice of Engineering Planning and Management	3	3		
	Sloped Land Engineering	3	3		
	Environmental Quality Monitoring	3	3		
	Engineering Law	3	3		
	Construction Safety Measures	3	3		
	Geotechnical Engineering Practice	3	3		
	Engineering Practical Training (II)	2	2		
	Steel Structure Construction			3	3
	Water Resource Engineering			3	3
	Project Procurement & Contract Award			3	3
	Greenhouse Gas Evaluation			3	3
	Reusable Resources			3	3

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4<sup>th</sup> year.
- Minimum credits required for graduation: 128 credits including 105 compulsory credits, and at least 23 elective credits (interdepartmental credits are included), while elective professional course credits shall not be fewer than 11.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 105 compulsory credits, and at least 35 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 23. The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of "Civil Engineering and Environmental Informatics".
- Elective courses are subject to change if necessary.

土環系 林新華  
副教授

土環系 張崑宗  
主任

工程學院 劉崇治  
院長

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Computer Science and Information Engineering

1 <sup>st</sup> year(11)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)							
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses					
	Classified general Education	2	2	2	2		Classified general Education	2	2	2	2						
	Classified general Education	2	2	2	2		Classified general Education	2	2	2	2						
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
College compulsory courses	Calculus(I)(11)	3	3	3	3	College compulsory courses	Technical English(11)(1V)	2	2	2	2	College compulsory courses	Artificial Intelligence	3	3		
	Physics(I)(11)	2	2	2	2												
	Applied Chinese(I)(11)	2	2	2	2												
	Technical English(I)(11)	2	2	2	2												
	C Programming(I)	3	3														
	Ethics for Engineers			2	2												
	<b>Subtotal</b>	<b>12</b>	<b>12</b>	<b>11</b>	<b>11</b>		<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>
Department compulsory courses	Introduction to Computer Science	2	2			Department compulsory courses	Java Programming	3	4			Department compulsory courses	Operating System	2	3		
	Practice of Basic Digital Circuits	2	2				Digital Logic Design and Lab	3	4				Applications of Python Program	3	3		
	C Programming(II)			3	4		Data Structures	3	3				Software Engineering			3	3
	Practice of UNIX Operating System			2	3		Computer Networks	3	4				Computer Architectures			2	3
							Introduction to Database Systems			3	3		Special Topic Project(I)			1	1
	<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>7</b>		<b>Subtotal</b>	<b>12</b>	<b>15</b>	<b>8</b>	<b>0</b>		<b>Subtotal</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>7</b>
Department Elective Courses						Department Elective Courses	Applications of UNIX OS	2	2			Department Elective Courses	Introduction to IoT	3	3		
							Competition Robot	2	2				Network Security	3	3		
							IT Application Trends	2	2				Practice of Database Management System	3	3		
							Application of Office Software			2	2		Web Programming	3	3		
							Practice of Competition Robot			2	2		Algorithms	3	3		
							Practice of Java Programming			3	3		Mobile Devices Programming	3	3		
							Website Programming			3	3		Self-media application	3	3		
							Introduction to Multi-Media			3	3		IoT System Programming			3	3
													Smart Agriculture			3	3
													Deep Learning			3	3
													Network Security Practice			3	3
										Internet Service			3	3			
										Software Engineering			3	3			
										Cloud Computing			3	3			

4 <sup>th</sup> year(114)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
College compulsory courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
General education					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Department compulsory courses	Special Topic Project(II)	1	1		
	Off-campus Internship			9	9
	<b>Subtotal</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>9</b>
Department Elective Courses	Information Practice	9	9		
	Data Science	3	3		
	Image processing	3	3		
	Software Project Management	3	3		
	Certified Project	2	2		
	<b>Subtotal</b>	<b>3</b>	<b>3</b>		

Item	Cr.	hr.
MUST Core Required Courses	14	18
College compulsory courses	30	30
Department compulsory courses	50	58
Department Elective Courses	34	34
<b>Total</b>	<b>128</b>	<b>140</b>

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4<sup>th</sup> year.
- Minimum credits required for graduation: 128 credits including 94 compulsory credits, and at least 34 elective credits (including the interdepartmental elective credits). No fewer than 22 professional elective credits are required.
- Must complete the 20 transferable inter-departmental credits (excluding college compulsory courses, department compulsory courses and department elective courses).
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 94 compulsory credits, and at least 46 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer 34. The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the "Implementation of Off-campus Internship Teaching for Students in the Department of Computer Science and Information Engineering".
- Elective courses are subject to change if necessary.
- The Special Topic Project(I) and the Special Topic Project(II) are both compulsory courses in different semesters. In order to graduate, each student must take Special Topic Project credits in two separate semesters.
- The optional off-campus internship in the first semester of the fourth grade is 9 credits. The subject name is Information Practice, which is limited to those who participate in the off-campus internship.
- All courses taken in the Software Engineering Program and Artificial Intelligence Micro Program can be approved as professional elective credits.

資工系課務規劃委員會

資工系主任 陳美支

工程學院院長 劉崇治

MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Institute of Industrial Engineering and Management

1 <sup>st</sup> year(111)						2 <sup>nd</sup> year(112)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses						MUST Core Required Courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Department compulsory courses	Research Method and Seminar Discussion	3	3			Department compulsory courses	Thesis	3	3	3	3
	Advanced Technical English			3	3						
	<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>		<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
Department Elective Courses	Theory of Constraints and Practices	3	3			Department Elective Courses					
	Life Cycle Assessment	3	3								
	Reliability Engineering	3	3								
	New Product Design and Management	3	3								
	Green Design and Circular Thinking	3	3								
	Greenhouse Gases Management and	3	3								
	Strategies for Sustainable			3	3						
	Problem Analysis and Decision Making			3	3						
	6σ Quality Engineering Management			3	3						
	Management & Performance Evaluation			3	3						
	Analytical Hierarchy Process and Applications			3	3						
	Theory and Practice of Enterprise Resource Planning			3	3						
	Organization Theory and Design			3	3						

Cr./hr.=Credit/hour

Remarks:

1. Minimum graduation credits: 30 credits; compulsory credits: 12 credits, electives: 18 credits (elective credits include inter-departmental elective credits).
2. Study credits per semester: the lower limit is 1 credit.
3. The department allows inter-departmental electives, but the credits of the department's major electives cannot be 9 credits.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. The elective courses are subject to change if necessary.



工管系 李得盛  
主任

管理學院 林於杏  
院長

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Industrial Engineering and Management

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)								
	Course	1st semester		2 <sup>nd</sup> semester			Course	1st semester		2 <sup>nd</sup> semester			Course	1st semester		2 <sup>nd</sup> semester		
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.	
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses						
	Classified general Education	2	2	2	2		Classified general Education	2	2									
	Classified general Education	2	2	2	2													
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
School Professional Required Courses	Applied Chinese(I)(II)	2	2	2	2	School Professional Required Courses	Business English(III)(IV)	2	2	2	2	School Professional Required Courses						
	Business English(I)(II)	2	2	2	2													
	Basic Mathematics	3	3															
	Management	3	3															
	Introduction to Computers and Programming	3	3															
	Economics			3	3													
	Statistics			3	3													
	Introduction to Artificial Intelligence			3	3													
<b>Subtotal</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>				
Department compulsory courses	Manufacturing Engineering	3	3			Department compulsory courses	Human Factors Engineering	3	3			Department compulsory courses	Operations Research	3	3			
	Industrial Automation			3	3		Production Management	3	3				Quality Engineering	3	3			
	Engineering Graphics	2	3				Work study	3	4				Facility Planning	2	3			
	Management Accounting			2	3		Systems Analysis and Design	2	3				Ethics for Business			2	2	
							Quality Management			3	4							
							Engineering Economy			3	3							
	<b>Subtotal</b>	<b>5</b>	<b>6</b>	<b>5</b>	<b>6</b>		<b>Subtotal</b>	<b>11</b>	<b>13</b>	<b>9</b>	<b>10</b>		<b>Subtotal</b>	<b>8</b>	<b>9</b>	<b>2</b>	<b>2</b>	
Department Elective Courses						Department Elective Courses	Information Literacy	3	3			Department Elective Courses	Introduction to Creative Thinking	3	3			
							Psychology	3	3				Computer Aided Design and Application	3	3			
							Engineering Report Writing	3	3				Human Resource Management	3	3			
							The Second Foreign Language	3	3				Technology English	3	3			
							Statistical Methods and Applications	3	3				Application of Statistical Package	3	3			
							Commercial Automation			3	3			Enterprise Resource Planning	3	3		
							Market Survey			3	3			Applied Ergonomics			3	3
							Marketing Management			3	3			The Semiconductor Make and Management			3	3
							Induction of Industrial Safety			3	3			Application Quality Management Practices			3	3
							Industrial Japanese			3	3			GHG Management			3	3
											Practice and Application of Industrial Engineering and Management			3	3			
											Database Management Systems			3	3			
											Certification Assistant Program for POM			3	3			
											Project Management			3	3			

4 <sup>th</sup> year(114)					
	Course	1st semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
School Professional Required Courses	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Department compulsory courses	Project in Gerontology (I)(II)	1	1	1	1
	Off-Campus Internship			9	9
	<b>Subtotal</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>
Department Elective Courses	Shop-Floor Operations Practice	3	3		
	Shop-Floor Management Practice	3	3		
	Working Ethics	3	3		
	Production Scheduling	3	3		
	Financial Management	3	3		
	Enterprise for Sustainable Development	3	3		
	Constraints Management	3	3		
	Automated Manufacturing System			3	3
	Logistics Management			3	3
Supply Chain Management			3	3	

Cr./hr.=Credit/hour

Remarks:

1. According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
2. Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
3. In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
4. Minimum graduation credits: 128 credits; Compulsory credits: 95 credits. Elective credits: 33 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 21 credits.
5. Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 95 compulsory credits, and at least 45 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 33.  
The program can be extended up to 3 academic years.
6. Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Industrial Engineering and Management Practice".
7. Elective courses are subject to change if necessary.



MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Institute of Information Management

1 <sup>st</sup> year(111)						2 <sup>nd</sup> year(112)					
	Course	1st semester		2 <sup>nd</sup> semester			Course	1st semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses						MUST Core Required Courses					
	Subtotal						Subtotal				
Department compulsory courses	Research Methodology and Thesis Writing	3	3			Department compulsory courses	Thesis	3	3	3	3
	Advanced Technical English			3	3						
	Subtotal	3	3	3	3		Subtotal	3	3	3	3
Department Elective Courses	Online Transaction Security	3	3			Department Elective Courses	Independent Study(I)	1	1		
	Internet Technology	3	3				Independent Study(II)			1	1
	E-learning	3	3								
	Big Data Analysis	3	3								
	Study of Information Management	3	3								
	Linux Network Management	3	3								
	Research of Social Networking Service	3	3								
	Wireless and Mobile Networks	3	3								
	Multivariate Analysis			3	3						
	Knowledge Management Research			3	3						
	Advanced Database			3	3						
	Electronic Commerce Research			3	3						
	Supply Chain Management and Case studies			3	3						
	Enterprise Resources Planning Research			3	3						
	Cloud Computing and Applications			3	3						
	Digital Image Processing and Applications			3	3						
Ubiquitous Computing and Applications			3	3							

Cr./hr. =Credit/hour

Remarks:

1. Minimum graduation credits: 30 credits; compulsory credits: 12 credits, electives: 18 credits (elective credits include inter-departmental elective credits).
2. Study credits per semester: the lower limit is 1 credit
3. The department allows inter-departmental electives, but the credits of the department's major electives cannot be fewer than 9 credits.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. The elective courses are subject to change if necessary.

資管系課務規劃委員會

資訊管理系 主任 葉慈章(甲)

管理學院 院長 林於杏



MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Information Management

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)							
	Course	1st semester		2 <sup>nd</sup> semester			Course	1st semester		2 <sup>nd</sup> semester			Course	1st semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses					
	Classified general Education	2	2	2	2		Classified general Education	2	2								
	Classified general Education	2	2	2	2												
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>				
School Professional Required Courses	Business English(I)	2	2			School Professional Required Courses	Business English(111)	2	2			School Professional Required Courses					
	Business English(II)			2	2		Business English(IV)			2	2						
	Applied Chinese(I)	2	2														
	Applied Chinese(II)			2	2												
	Introduction to Computers and Programming	3	3														
	Introduction to Artificial Intelligence			3	3												
	Applied Basic Mathematics	3	3														
	Management	3	3														
	Economics			3	3												
	Statistics			3	3												
	<b>Subtotal</b>	<b>13</b>	<b>13</b>	<b>7</b>	<b>7</b>		<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>				
Department compulsory courses	Introduction to Computer Science	3	3			Department compulsory courses	Java Programming	3	3			Department compulsory courses					
	Advanced Programming Design			3	4		Window System Management and Security Practice	3	3								
							Theory and Analysis of Database	3	4								
							Information Management			3	3						
							Computer Network			3	3						
	<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4</b>				<b>3</b>	<b>3</b>			<b>Subtotal</b>				
Department Elective Courses	Internet Practice			2	2	Department Elective Courses	Web Programming	3	3			Department Elective Courses	Electronic Commerce	3	3		
	Information Literacy			2	2		Multimedia and Animation	3	3				Inter-networking	3	3		
							Accounting	3	3				Information Security	3	3		
							Applied Statistics	3	3				Practice of Database Management System	3	3		
							Economic Analysis	3	3				APP Programming Practice	3	3		
							Data Structure	3	3				Social Network Analysis Practice	3	3		
							Financial technology	3	3				Data Visualization and Analysis	3	3		
							Database Application Language Programming			3	3		Financial Management	3	3		
							Advanced Java Programming			3	3		E-Shop Design and Practices			3	3
							Business Data Analysis and Application			3	3		The Internet of Things Techniques and Applications			3	3
							Creative Image Processing			3	3		Network Planning & Management			3	3
							Ready for GEPT Elementary Level			3	3		E-commerce System Design and Implementation			3	3
							Applied Accounting			3	3		ERP Practice			3	3
													Information Security Management system			3	3
													R Programming & Practice			3	3
										Commercial Database			3	3			
										Marketing Management			3	3			
										E-commerce Security			3	3			
										Machine Learning			3	3			

4 <sup>th</sup> year(114)					
	Course	1st semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>				
School Professional Required Courses					
	<b>Subtotal</b>				
Department compulsory courses	Off-campus internship	9	9		
	MIS Certificates			1	1
	<b>Subtotal</b>	<b>9</b>	<b>9</b>	<b>1</b>	<b>1</b>
Department Elective Courses	Knowledge Management	3	3		
	Web Database	3	3		
	Big Data Analysis and Application	3	3		
	Software Project Management	3	3		
	Mobile Commerce Application & Security	3	3		
	Electronic Business Operation and Management	3	3		
	Business Information Management Practice			3	3
	Employment development practice			3	3
	Employment Ethics			3	3
	Personal financial analysis			3	3
	Deep Learning			3	3
Virtualization System Administration Practices in Cloud			3	3	

Cr. /hr. =Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum graduation credits: 128 credits; Compulsory credits: 91 credits. Elective credits: 37 (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 25 credits.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 91 compulsory credits, and at least 49 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 37. The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Information Management".
- Elective courses are subject to change if necessary.

資管系課務規劃委員會

資訊管理系 主任 蔡慈章

管理學院 院長 林於杏

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Finance (Division of Creative Marketing)

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)							
	Course	1st semester		2 <sup>nd</sup> semester			Course	1st semester		2 <sup>nd</sup> semester			Course	1st semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified General Education	2	2	2	2	MUST Core Required Courses					
	Classified General Education	2	2	2	2		Classified General Education	2	2								
	Classified General Education	2	2	2	2		Classified General Education	2	2								
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>				
School Professional Required Courses	Applied Chinese (I)(II)	2	2	2	2	School Professional Required Courses	Business English (III)(IV)	2	2	2	2	School Professional Required Courses					
	Business English (I)(II)	2	2	2	2												
	Introduction to Computers and Programming Management	3	3														
	Basic Mathematics	3	3														
	Economics			3	3												
	Statistics			3	3												
	Introduction to Artificial Intelligence			3	3												
<b>Subtotal</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>Subtotal</b>							
Department compulsory courses	Introduction to Financial Markets	3	3			Department compulsory courses	Applied Economics	3	3			Department compulsory courses	Financial Statement Analysis	3	3		
	Accounting			3	3		Applied Statistics	3	3				Professional Ethics	2	2		
					Financial Marketing		3	3			Futures and Options				3	3	
					Financial Management (I)		3	3			International Financial Management				3	3	
					Financial Management (II)				3	3							
	<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>		<b>Subtotal</b>	<b>12</b>	<b>12</b>	<b>6</b>	<b>6</b>		<b>Subtotal</b>			<b>5</b>	<b>6</b>
Department Elective Courses	Introduction to Financial Instruments			2	2	Department Elective Courses	Applied Accounting	3	3			Department Elective Courses	Practice of Financial Operation	2	2		
	Civil Law			2	2		Application and Trend of Fintech	3	3				Intermediate Accounting (I)	3	3		
					Commercial Law		2	2			Fintech cases		3	3			
					Presentation Skills and Interpersonal Communication				3	3	Securities Analysis		3	3			
					Practice and Analysis of Market Survey				2	2	Taxes Practice		3	3			
					Accounting Information System				3	3	Digital Financial Marketing		2	2			
					Topics in Financial News				3	3	Insurance Practice		3	3			
					Financial Regulations				3	3	Applied Financial Information Analysis		3	3			
					Introduction to Insurance Theory				3	3	Foreign Exchange Market		3	3			
											Intermediate Accounting (II)				3	3	
											Industrial Analysis				3	3	
											Applied Big Data Analytics				3	3	
											Social Marketing				3	3	
											Trust Regulation and Practice				3	3	
									Fixed Income Securities			3	3				
									English for Economics and Finance (I)			2	2				
									Applied Financial Practice			2	2				

4 <sup>th</sup> year(114)					
	Course	1st semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>				
School Professional Required Courses					
	<b>Subtotal</b>				
Department compulsory courses	(A)Off-campus internship	9	9		
	(B)Special Practical Projects (I)	1	1		
	(B)Special Practical Projects (II)			1	1
	Finance Professional License			1	3
<b>Subtotal</b>	<b>10</b>	<b>10</b>	<b>2</b>	<b>4</b>	
Department Elective Courses	Internet of Things and Financial Services	3	3		
	Financial Planning	3	3		
	Electronic Commerce Applications	3	3		
	Financial Derivatives	3	3		
	English for Economics and Finance(II)	2	2		
	Business Practice			3	3
	Financial Business Practice			3	3
	Work Ethics			3	3
	English for Business			2	2
	Portfolio Investment Analysis			3	3
Financial Risk Management			3	3	
Financial Marketing Case Study			3	3	

Cr./hr. =Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum graduation credits: 128 credits; Compulsory credits: 91 credits; Elective credits: 37 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 25 credits.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 91 compulsory credits, and at least 49 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 37. The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the courses of the off-campus internship courses for the fourth grade in the first semester are divided into A and B methods. The relevant measures are handled in accordance with the "Implementation of Off-campus Internship Teaching for Students in the Department of Finance".
- Elective courses are subject to change if necessary.

財務系 范芝萍  
金融系

財金系 林淑瑛  
主任

管理學院 林於杏  
院長

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Finance (Division of Financial Intelligence)

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)							
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified General Education	2	2	2	2	MUST Core Required Courses					
	Classified General Education	2	2	2	2		Classified General Education	2	2	2	2						
	Classified General Education	2	2	2	2		Classified General Education	2	2	2	2						
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>				
School Professional Required Courses	Applied Chinese (I)(II)	2	2	2	2	School Professional Required Courses	Business English (III)(IV)	2	2	2	2	School Professional Required Courses					
	Business English (I)(II)	2	2	2	2												
	Introduction to Computers and Programming Management	3	3														
	Basic Mathematics	3	3														
	Economics			3	3												
	Statistics			3	3												
	Introduction to Artificial Intelligence			3	3												
	<b>Subtotal</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>		<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>				
Department compulsory courses	Introduction to Financial Markets	3	3			Department compulsory courses	Applied Economics	3	3			Department compulsory courses	Financial Statement Analysis	3	3		
	Accounting			3	3		Applied Statistics	3	3				Professional Ethics	2	2		
							Applied Accounting	3	3				Futures and Options			3	3
							Financial Management (I)	3	3				International Financial Management			3	3
							Financial Management (II)			3	3						
	<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>		<b>Subtotal</b>	<b>12</b>	<b>12</b>	<b>6</b>	<b>6</b>		<b>Subtotal</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>6</b>
Department Elective Courses	Introduction to Financial Instruments			2	2	Department Elective Courses	Financial Marketing	3	3			Department Elective Courses	Practice of Financial Operation	2	2		
	Civil Law			2	2		Application and Trend of Fintech	3	3				Intermediate Accounting (I)	3	3		
							Commercial Law	2	2				Fintech cases	3	3		
							Presentation Skills and Interpersonal Communication			3	3		Securities Analysis	3	3		
							Practice and Analysis of Market Survey			2	2		Taxes Practice	3	3		
							Accounting Information System			3	3		Digital Financial Marketing	2	2		
							Topics in Financial News			3	3		Insurance Practice	3	3		
							Financial Regulations			3	3		Applied Financial Information Analysis	3	3		
							Introduction to Insurance Theory			3	3		Foreign Exchange Market	3	3		
													Intermediate Accounting (II)			3	3
													Industrial Analysis			3	3
													Applied Big Data Analytics			3	3
													Cost Accounting			3	3
													Trust Regulation and Practice			3	3
													Fixed Income Securities			3	3
										English for Economics and Finance (I)			2	2			
										Applied Financial Practice			2	2			

4 <sup>th</sup> year(114)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>				
School Professional Required Courses					
	<b>Subtotal</b>				
Department compulsory courses	(A)Off-campus internship	9	9		
	(B)Special Practical Projects (I)	1	1		
	(B)Special Practical Projects (II)			1	1
	Finance Professional License			1	3
	<b>Subtotal</b>	<b>10</b>	<b>10</b>	<b>2</b>	<b>4</b>
Department Elective Courses	Internet of Things and Financial Services	3	3		
	Financial Planning	3	3		
	Electronic Commerce Applications	3	3		
	Financial Derivatives	3	3		
	English for Economics and Finance(II)	2	2		
	Business Practice			3	3
	Financial Business Practice			3	3
	Work Ethics			3	3
	English for Business			2	2
	Portfolio Investment Analysis			3	3
Financial Risk Management			3	3	
Financial Case Study			3	3	

Cr./hr. =Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum graduation credits: 128 credits; Compulsory credits: 91 credits. Elective credits: 37 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 25 credits.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 91 compulsory credits, and at least 49 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 37.  
The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the courses of the off-campus internship courses for the fourth grade in the first semester are divided into A and B methods. The relevant measures are handled in accordance with the "Implementation of Off-campus Internship Teaching for Students in the Department of Finance".
- Elective courses are subject to change if necessary.

財務金融系 主任 范芝萍 林淑瑛

管理學院 院長 林於杏

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Marketing and Logistics Management

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)							
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses					
	Classified general Education	2	2	2	2		Classified general Education	2	2								
	Classified general Education	2	2	2	2												
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>				
School Professional Required Courses	Management	3	3			School Professional Required Courses	Business English (III) (IV)	2	2	2	2	School Professional Required Courses					
	Basic Mathematics	3	3														
	Introduction to Computers and Programming	3	3														
	Applied Chinese (I) (II)	2	2	2	2												
	Business English (I) (II)	2	2	2	2												
	Economics			3	3												
	Statistics			3	3												
	Introduction to Artificial Intelligence			3	3												
<b>Subtotal</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>Subtotal</b>							
Compulsory courses	Introduction to Distribution Management	2	2			Compulsory courses	Applied Economics	3	3			Compulsory courses	Marketing Research	3	3		
	Marketing Management			3	3		Applied Statistics	3	3				Supply Chain Management	2	2		
							Consumer Behavior	3	3				Content Marketing			2	2
							English Conversation (I) (II)	2	2	2	2		Professional Ethics			2	2
							Japanese (I) (II)	2	2	2	2		Special Topic Project (I)			1	1
							Logistics Management			2	2						
							Digital Marketing			2	2						
	<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>		<b>Subtotal</b>	<b>13</b>	<b>13</b>	<b>11</b>	<b>11</b>		<b>Subtotal</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
Elective Courses						Elective Courses	Electronic Commerce	2	2			Elective Courses	Business Planning	2	2		
							Merchandise Management	2	2				Pricing Strategy and Management	2	2		
							Applied Accounting	2	2				Business Japanese	2	2		
							Japanese Economics, Trade and Culture	2	2				Financial Management	3	3		
							Service Marketing and Management			2	2		Store Operation Management	2	2		
							Multimedia Application in Marketing			2	2		Interpersonal Communication and Organizational Leadership	2	2		
							Marketing Channel Management			2	2		Marketing Management: Practice and Training	3	3		
							Store Display and Layout			2	2		Business English	2	2		
							Project Management			2	2		Advertising Management and Practices	2	2		
													Store Planning and Design	2	2		
													Green Marketing			3	3
													Brand Management			2	2
													Chain store management			2	2
													Distribution Management: Practice and Training			3	3
													Advanced Business Japanese			2	2
													Digital Applications: Practice and Training			2	2
													Big Data Marketing			2	2
													Business Communication and Negotiation			2	2
													Retail Management			2	2
													Event Marketing			2	2
										Skills of Business Presentation			2	2			
										Purchasing and Inventory Management			2	2			

4 <sup>th</sup> year(114)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>				
School Professional Required Courses					
	<b>Subtotal</b>				
Compulsory courses	Special Topic Project (II)	1	1		
	Business Professional License	1	1		
	Internship			9	9
<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>9</b>	<b>9</b>	
Elective Courses	Sales Practices	2	2		
	Innovation Management	2	2		
	Business Japanese Conversation	2	2		
	Customer Relationship Management	2	2		
	Marketing Case Study	2	2		
	Advanced Computer Skills in the Workplace	2	2		
	Pre-employment Exercise	3	3		
	Distribution Case Study	2	2		
	Creative Marketing	2	2		
	Enterprise Resource Planning	2	2		
	Logistics Center Management	2	2		
Marketing and Distribution Information S	2	2			

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4<sup>th</sup> year.
- Minimum graduation credits: 128 credits; Compulsory credits: 94 credits. Elective credits: 34 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 22 credits.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 94 compulsory credits, and at least 46 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 40. The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Marketing and Logistics Management.
- Elective courses are subject to change if necessary.

行銷與流通管理系  
課程規劃委員會

行銷與流通管理系  
主任 林秋紅

管理學院  
院長 林於杏

MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Graduate Institute of Business Administration

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)						
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
		MUST Core Required Courses								MUST Core Required Courses	
	<b>Subtotal</b>						<b>Subtotal</b>				
Department compulsory courses	<b>Research Method and Seminar Discussion</b>	3	3			Department compulsory courses	<b>Thesis</b>	3	3	3	3
	<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>		<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
Department Elective Courses	◇Topics in Human Resource Management	3	3			Department Elective Courses	Topics in Project Management	3	3		
	◇Topics in Financial Management		3				Topics in Corporate Finance	3	3		
	◇Topics in Marketing Management	3	3				Topics in Management of Technology	3	3		
	◇Topics in Organization Theory and Management	3	3				Branding and Communications	3	3		
	Topics in Global Logistics Management	3	3				Marketing Research	3			
	Systematic Innovation and Invention	3	3				Topics in Organizational Behavior	3	3		
	Introduction to Managerial Literature Review	3	3				Overseas Management Practices and Observation	3	3		
	Topics in Cultural Industry Management	3	3				Topics in Service Marketing	3	3		
	◇Multivariate Analysis			3	3		Topics in Customer Relationship Management			3	3
	Topics in Consumer Behavior			3	3		Topics in Financial Risk Management			3	3
	Topics in Financial Derivatives			3	3		Topics in Global Economics			3	3
	Data Analysis and Visualization			3	3		Topics in International Finance			3	3
	Big Data Analysis			3	3		Topics in Organizational Leadership			3	3
	Topics in Managerial Economics			3	3		Problem Analysis and Decision Making			3	3
	Topics in Security Analysis and Investment Management			3	3		Topics in Digital Marketing			3	3
	Topics in Production and Operations Management			3	3		Management Case Study			3	3
	Topics in Financial Law			3	3		Artificial Intelligence and Application			3	3
	Qualitative Research Analysis			3	3		Seminar on Smart Living Technology			3	3
	Statistical Data Analysis			3	3		Topics in Local Revitalization Management			3	3

Cr./hr.=Credit/hour

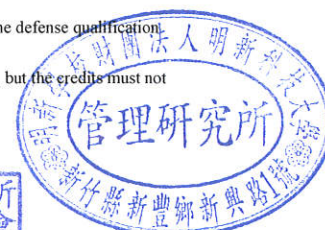
Remarks:

- Minimum credits required for graduation: 30 credits with 2 compulsory credits, 21 elective credits.
- Study credits per semester: the lower limit is 1 credit
- The inter-institution elective credits are transferable with the approval of academic advisor, but the elective course credits Institute of Management shall not be less than 12.
- Independent study is for students in extended study period, and not counted towards their credits for graduation.
- ◇: The Institute strongly recommends students to study the following 5 core course: Topics in Human Resource Management, Topics in Financial Management, Topics in Marketing Management, Multivariate Analysis, Topics in Organization Theory and Management.
- Graduate students shall follow the master degree studying rule of Institute of Management.
- Student who satisfied the graduate criteria at first-year second semester or second-year first semester is allowed to take the Thesis course. The credits are disregard the rule of 18 credits per semester maximum.
- Students shall take total 6 credits of "Thesis" course. (all of the 6 credits will be counted together after passing the defense qualification of thesis)
- The courses can offer distance learning in accordance with the MUST Distance Learning Application Guidelines, but the credits must not exceed 1/2 of the total graduation credits.
- Please note that the current course listings are subject to change based upon the actual context.

管理學院 院長 林於杏

管理研究所 所長 邱筱琪

管理研究所 課程規劃委員會



MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Business Administration

1 <sup>st</sup> year(110)						2 <sup>nd</sup> year(111)						3 <sup>rd</sup> year(112)									
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester					
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.				
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified General Education	2	2	2	2	MUST Core Required Courses									
	Classified General Education	2	2	2	2		Classified General Education	2	2												
	Classified General Education	2	2	2	2																
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>				
School Professional Required Courses	Applied Chinese (I)(II)	2	2	2	2	School Professional Required Courses	Business English (III)(IV)	2	2	2	2	School Professional Required Courses									
	Business English (I)(II)	2	2	2	2																
	Introduction to programming	3	3																		
	Basic Mathematics	3	3																		
	Management	3	3																		
	Introduction to artificial intelligence			3	3																
	Economics			3	3																
	<b>Subtotal</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>		<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>				
Department compulsory courses						Department compulsory courses	Economic Analysis	3	3			Department compulsory courses	Practical Projects (I)(II)	1	1	1	1				
					Applied Statistics		3	3			Workplace English		2	2							
					Accounting		3	3			Ethics for business		2	2							
					Business Research Method				2	2	Financial Management		3	3							
					Psychology				2	2	Human Resource Management		3	3							
					Marketing Management				3	3	Management Information System				2	2					
					Applied Accounting				3	3	Organizational Behavior				2	2					
											Business Law				2	2					
											Big Data Analysis				2	2					
											Production and Operations Management				3	3					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>Subtotal</b>	<b>9</b>	<b>9</b>	<b>10</b>	<b>10</b>		<b>Subtotal</b>	<b>11</b>	<b>11</b>	<b>12</b>	<b>12</b>				
Department Elective Courses	English Reading (I)(II)	2	2	2	2	Department Elective Courses	New TOEIC Testing (I)(II)	2	2	2	2	Department Elective Courses	Intermediate Japanese (I)(II)	2	2	2	2				
	Introduction to Business	2	2				Basic Japanese (I)(II)	3	3	3	3		Business Presentation Skills	2	2						
	Principles of Accounting			2	2		Language Communication Skills	2	2				Business Data Analysis	2	2						
	Information literacy			3	3		Applied Database	3	3				Services Management	3	3						
							Chain Store Service Practice			2	2		Digital Marketing	3	3						
							Finance and Economics News			2	2		Design Thinking	3	3						
							Organization Theory and Management			3	3		Customer Relationship Management			2	2				
					E-Commerce			3	3	Career Ethics			2	2							
										Quality Management in Services			2	2							
										Retailing Management			3	3							
										Market Survey			3	3							
										Invention and Innovation			3	3							
										Internet Consumer Behavior			3	3							
										Investment Practice			3	3							

4 <sup>th</sup> year(113)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
School Professional Required Courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Department compulsory courses	Strategic Management	2	2		
	Business License			1	1
	Off-campus internship			9	9
	<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>
Department Elective Courses	Practice of Career Ethics (I)(II)	3	3	3	3
	Shop-Floor Operations Practice (I)(II)	3	3	3	3
	Practice of Corporate Management (I)(II)	3	3	3	3
	Industrial Development Trend	2	2		
	Investment Practice	3	3		
	Knowledge Management	3	3		
	Practicum of micro-entrepreneurs	3	3		
	Six Sigma	3	3		
	Enterprise Resource Planning	3	3		
	Financial Statement Analysis	3	3		
	Labor Relations			2	2
	Workplace Japanese			2	2
	Marketing Planning Practice			3	3
	Entrepreneurship Management			3	3
	Wealth Management			3	3
	Practice of Consumer Behavior Observation			3	3

Cr./hr.=Credit/hour

Remarks:

1. According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
2. Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
3. In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
4. Minimum graduation credits: 128 credits; Compulsory credits: 98 credits. Elective credits: 30 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 16 credits.
5. Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 98 compulsory credits, and at least 42 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 28. The program can be extended up to 3 academic years.
6. Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Business Administration.
7. Elective courses are subject to change if necessary.

企管系課務規劃委員會

企業管理系主任 白東岳

管理學院院長 林於杏

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Hotel Management and Culinary Creativity

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)							
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses					
	Classified general Education	2	2	2	2		Classified general Education	2	2								
	Classified general Education	2	2	2	2												
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>				
School Professional Required Courses	Applied Chinese(I)(II)	2	2	2	2	School Professional Required Courses	Applied English(III)(IV)	2	2	2	2	School Professional Required Courses					
	Applied English(I)(II)	2	2	2	2		Service Innovation	2	2								
	Introduction to Computers and Programming	3	3				Ethics for Professionals			2	2						
	Introduction to Artificial Intelligence			3	3												
	Service Industry Management	2	2														
	Interpersonal Communication			2	2												
	<b>Subtotal</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>		<b>Subtotal</b>				
Department compulsory courses	Introduction to Hotel Management	2	2			Department compulsory courses	Front Office Management	2	2			Department compulsory courses	Hospitality English (I) (II)	2	2	2	2
	Hospitality Safety and Health management	2	2				Practice of Front Office Operation	2	2				Hospitality Financial Management	2	2		
	Introduction to Culinary Management	2	2				Practice of Hospitality Operation	4	4				Applied Project(I) (II)	1	1	1	1
	Housekeeping Management			2	2		Food & Beverage Operation and Management	2	2				Hospitality Human Resources Management			2	2
	Practice of Housekeeping Operation			2	2		Hotel Information System			2	2						
	Introduction to Beverage Management			2	2		<b>Subtotal</b>	<b>10</b>	<b>10</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
Department Elective Courses	Hospitality Aesthetics	2	2			Department Elective Courses	Design & Practice of Culinary Creativity(II) Chinese Cuisine	4	4			Department Elective Courses	Healthy Beverage Modulation	2	2		
	Introduction to Tourism	2	2				Food & Beverage Services	2	2				Hospitality Purchasing	2	2		
	Basic Hospitality English			2	2		Japanese (I)(II)	2	2	2	2		Design & Practice of Culinary Creativity(IV) Exotic Cuisine	4	4		
	Design & Practice of Culinary Creativity(I) Baking			4	4		Etiquette Management			2	2		Management of Hospitality Service Quality	2	2		
							Hospitality Marketing			2	2		Banquet Management & Operation	2	2		
							English Communication in the Workplace			2	2		Hospitality Japanese (I)(II)	2	2	2	2
					Design & Practice of Culinary Creativity(III)Western-Style Cuisine			4	4	Hospitality E-Commerce			2	2			
					Communication Brand and Attraction Marketing			2	2	Chain Hotel Management			2	2			
										Hospitality Cost Control & Analysis			2	2			
										World Food & Beverage Culture			2	2			
										Reception of Int'l Guests			2	2			
										Club Management operation			2	2			
										Butler Services			2	2			
										MICE Activity Management			2	2			

4 <sup>th</sup> year(114)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>				
School Professional Required Courses					
	<b>Subtotal</b>				
Department compulsory courses			9		
	<b>Subtotal</b>		<b>9</b>		
Department Elective Courses	Internship(II)			9	9
	Hospitality Accounting			2	2
	Hospitality English (III)			2	2
	Hospitality Japanese (III)			2	2
	Operation of Hotel Sales			2	2
	Appreciation of Wine			2	2
	Green Hospitality			2	2
	Planning for Hotel Recreational Activities			2	2
	Management of the B & B			2	2
	Healthy foodservice			2	2
	Hospitality Entrepreneurial & Development			2	2
	Hospitality Public Relation & Crisis Management			2	2
	Certificate Consultation			2	2

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4<sup>th</sup> year.
- Minimum credits required for graduation: 128 credits including 83 compulsory credits, and at least 45 elective credits (inter-departmental credits are included, while elective professional course credits shall not be fewer than 3).
- Students may choose to take courses in one of the three modules.  
Module A: Room Division Management; Module B: Culinary Creativity; Module C: Hotel Management and Culinary Creativity Admin
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 83 compulsory credits, and at least 57 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 31. The program can be extended up to 3 academic years.
- Elective courses are subject to change if necessary.
- Students are required to take half-year internship according to the regulations approved by the Committee of Internship at the department.
- Practice of Hospitality Operation, Food & Beverage Services are offered to Class A in the 1st semester and Class B in the 2nd semester of the 2nd academic year.

旅館系課程助理蕭淑華  
規劃委員會教授

旅館系主任吳嘉蕙

服務產業學院  
院長翁文燾

MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Institute of Department of Early Childhood Education and Care

1 <sup>st</sup> year(111)						2 <sup>nd</sup> year(112)						
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.	
MUST Core Required Courses						MUST Core Required Courses						
	<b>Subtotal</b>						<b>Subtotal</b>					
Department compulsory courses	Social Science Research Methods and Seminar	3	3			Department compulsory courses	Thesis	3	3	3	3	
	Quantitative Study			3	3							
	<b>Subtotal</b>						<b>Subtotal</b>					
Department Elective Courses	Seminar on Preschool Curriculum and Instruction	3	3			Department Elective Courses	Seminar on Early Childhood Education	3	3			
	Qualitative Research	3	3				Seminar on Young Children's Health	3	3			
	Seminar on Child Industries	3	3				Seminar on Special Education for Young Children	3	3			
	Topics in Cultural and Creative Industries*	3	3				Action Research	3	3			
	Seminar on Aesthetic Education for Young Children			3	3		Seminar on Educare Professional Administration for Young Children	3	3			
	Seminar on Young Children and Family			3	3		Seminar on the Application of Learning Resources for Young Children			3	3	
	Seminar on Technology and Instruction for Young Children			3	3		Seminar on Educare Field Study			3	3	
	Overseas Study and Visits*			3	3		Comparative Study on Transnational Educare Industries			3	3	
	Seminar on Enterprise Resource Planning*			3	3							
	Practical Topics in Service Industries*			3	3							

Cr./hr. =Credit/hour

Remarks:

1. Minimum graduation credits: 30 credits; compulsory credits: 12 credits, electives: 18 credits (elective credits include inter-departmental elective credits).
2. Study credits per semester: the lower limit is 1 credit
3. The department allows inter-departmental electives, but the credits of the department's major electives cannot be 12 credits.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. Independent study is for students in extended study period, and not counted towards their credits for graduation.
6. The elective courses are subject to change if necessary.

幼保系課程  
規劃委員會

幼保系主任  
張毓幸

服務產業學院  
院長  
翁文燾



**MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025**  
**Department of Early Childhood Education and Care**

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)							
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses					
	Classified general Education	2	2	2	2		Classified general Education	2	2								
	Classified general Education	2	2	2	2												
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>				
School Professional Required Courses	Applied Chinese (I)(II)	2	2	2	2	School Professional Required Courses	Applied English(III)(IV)	2	2	2	2	School Professional Required Courses	Professional Ethics of Educare Givers	2	2		
	Applied English(I)(II)	2	2	2	2		Creative Service	2	2								
	Introduction to Computers and Programming	3	3														
	Service Industry Management	2	2														
	Introduction to Artificial Intelligence			3	3												
	Interpersonal Communication			2	2												
	<b>Subtotal</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>	<b>2</b>	<b>2</b>		
Department compulsory courses	Introduction to Early Childhood Care and Education	2	2			Department compulsory courses	Preschool Curriculum Design	3	3			Department compulsory courses	Preschool Teaching Materials and Methods (II)	2	2		
	Psychology	3	3				Child Health and Safety	3	3				Educational Research Methods	2	2		
	Young Child Development			3	3		Preschool Classroom Management			2	2		Project Practices(I)	1	1		
	Observation of Young Children			2	2		Learning Environment Design for Young Children			2	2		Educational Assessment of Young Children's Learning	2	2		
							Preschool Teaching Materials and Methods (I)			2	2		Practicum in Early Childhood Care and Education			4	4
							Special Education in Early Childhood			3	3		Educare industry practicum			5	5
		<b>Subtotal</b>	<b>5</b>	<b>5</b>	<b>5</b>		<b>5</b>		<b>Subtotal</b>	<b>6</b>	<b>6</b>		<b>9</b>	<b>9</b>		<b>Subtotal</b>	<b>7</b>
Department Elective Courses	Visual Arts in Early Childhood Education	2	2			Department Elective Courses	Early Intervention	2	2			Department Elective Courses	behavior change techniques	2	2		
	Appreciation and Application of Literature for Young Children	2	2				Theory & Practices of Play in Early Childhood Education	2	2				Recreational Activities Planning for Young Children	2	2		
	Music in Early Childhood Education			2	2		Music and Movements for Young Children	2	2				Babysitting Practice	2	2		
	Physical Education for Young Children			2	2		Multimedia Application	2	2				Infant and Toddler Programs: Theory and Practice	2	2		
	Life Education for Young Children			2	2		Integrated English Activity in Early Years	2	2				Teaching with Picture Books	2	2		
							Young Children & Media	2	2				Career Planning	2	2		
							Child Guidance			2	2		Chinese Language Teaching for Young Children	2	2		
							Drama Teaching for Children			2	2		Administration and Management of Childhood Education Program	2	2		
							Nursing Care of Infants and Children during Illness			2	2		After-School Programs: Theory and Practice	2	2		
							Montessori Method			2	2		Early Childhood Education and care service in International context	2	2		
							Meals and Nutrition for Infants and Young Children			2	2		Handmade necessities for Young Children	2	2		
													Approaches of Early Childhood Education	2	2		
													Multicultural Education for Young Children	2	2		
													Development and Application of Products for Children and Elderly	2	2		

4 <sup>th</sup> year(114)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>				
School Professional Required Courses					
	<b>Subtotal</b>				
Department compulsory courses	The Preschool, Family and Community	2	2		
	Project Practices(II)	1	1		
	Child and Family Welfare			2	2
	<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>
Department Elective Courses	Music and Art Activities for Infants and Toddlers	2	2		
	Art interactive teaching materials and exhibition	2	2		
	Instruction Material Design and Application	2	2		
	Visualized education plan concept and implement	2	2		
	Exceptional children's life skills train	2	2		
	Introduction to Inclusive Education	2	2		
	Activity Design for Infants and Toddlers	2	2		
	Baby Massage & Yoga	2	2		
	Marriage and Family Relations	2	2		
	Family Crisis and Stress Management	2	2		
	Children Industry Practicum			1	2
	Creative Teaching Methods			2	2
	Production of Broadcasting and Television Program for Infants and			2	2
	Orfl Approach			2	2
	Sensory Integration			2	2
	Assistive Technology for Young Children			2	2
Emotional Disorder Teaching and Practice			2	2	
Cooking and Baking Activities			2	2	

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum graduation credits: 128 credits; Compulsory credits: 86 credits; Elective credits: 42 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 30 credits.  
Students who plan to be certified preschool teachers should apply for enrollment examination held by the Center for Teacher Education and complete an extra 20 required credits.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 86 compulsory credits, and at least 54 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 36.  
The program can be extended up to 3 academic years.
- "Project Practices(I)" is a prerequisite for "Project Practices(II)".
- "Preschool Curriculum Design", "Preschool Teaching Materials and Methods (I)", and "Preschool Teaching Materials and Methods (II)" are prerequisites for taking the course of "Practicum in Early Childhood Care and Education".
- "Introduction to Early Childhood Care and Education" is a prerequisite course for "Preschool Teaching Materials and Methods (I)" and "Preschool Teaching Materials and Methods (II)".
- Before graduation, students must take "Young Children Industry Practicum" (i.e. Infant Care, Children's Art, Early Intervention, or After-school Child Care Industry), and pass the grade.
- Students are required to take off-campus internship courses in the third grade and conduct full-semester internships.  
The relevant regulations are implemented in accordance with the "Key Points for the Implementation of Off-campus Internship Teaching in the Department of Early Childhood Care of the University".
- Elective courses are subject to change if necessary.



幼保系課程委員會
幼保系主任張毓幸

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Early Childhood Education and Care (Indigenous Course)

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)						
Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			
	Cr	hr	Cr	hr		Cr	hr	Cr	hr		Cr	hr	Cr	hr		
MUST Core Required Courses	Indigenous Physical Education(I)(II)	1	2	1	2	MUST Core Required Courses	Applied English(I)(II)	2	2	2	2	MUST Core Required Courses	Ethnography & Anthropology	2	2	
	Applied Chinese (I)(II)	2	2	2	2		Contemporary Indigenous Soci	2	2	2	Indigenous literature & Writing		2	2		
	Applied English(I)(II)	2	2	2	2		Indigenous Traditional Ritual			2	2					
	Introduction to Taiwanese Aboriginal Culture	2	2				Indigenous Culture & Global Vision			2	2					
	Introduction to Computers and Programming	3	3													
	Indigenous Policies and Regulations			2	2											
	Introduction to Artificial Intelligence			3	3											
<b>Subtotal</b>	<b>10</b>	<b>11</b>	<b>7</b>	<b>9</b>	<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>Subtotal</b>	<b>4</b>	<b>4</b>				
School Professional Required Courses					School Professional Required Courses					School Professional Required Courses	Professional Ethics of Educator Groups	2	2			
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>Subtotal</b>	<b>2</b>	<b>2</b>		
Department compulsory courses	Introduction to Early Childhood Care and Education	2	2			Department compulsory courses	Preschool Curriculum Design	3	3			Department compulsory courses	Preschool Teaching Materials and Methods	2	2	
	Psychology	3	3				Child Health and Safety	3	3				Educational Research Methods	2	2	
	Young Child Development			3	3		Preschool Classroom Management			2	2		Project Practices(I)	1	1	
	Observation of Young Children			2	2		Special Education in Early Childhood			3	3		Educational Assessment of Young Children's Learning	2	2	
							Learning Environment Design for Young Children			2	2		Practicum in Early Childhood Care and Education		4	4
							Preschool Teaching Materials and Methods (I)			2	2		Educator industry practicum		5	5
<b>Subtotal</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>Subtotal</b>	<b>6</b>	<b>6</b>	<b>9</b>	<b>9</b>	<b>Subtotal</b>	<b>7</b>	<b>7</b>	<b>9</b>	<b>9</b>		
Department Elective Courses	Visual Arts in Early Childhood Education	2	2			Department Elective Courses	Early Intervention	2	2			Department Elective Courses	behavior change techniques	2	2	
	Appreciation and Application of Literature for Young Children	2	2				Theory & Practices of Play in Early Childhood Education	2	2				Recreational Activities Planning for Young Children	2	2	
	Music in Early Childhood Education			2	2		Music and Movements for Young Children	2	2				Babysitting Practice	2	2	
	Physical Education for Young Children			2	2		Multimedia Application	2	2				Infant and Toddler Programs: Theory and Practice	2	2	
	Life Education for Young Children			2	2		Integrated English Activity in Early Years	2	2				Teaching with Picture Books	2	2	
							Young Children & Media	2	2				Career Planning	2	2	
							Child Guidance			2	2		Chinese Language Teaching for Young Children	2	2	
							Drama Teaching for Children			2	2		Administration and Management of Childhood Education Program	2	2	
							Nursing Care of Infants and Children during Illness			2	2		After-School Programs: Theory and Practice	2	2	
							Montessori Method			2	2		Early Childhood Education and care service in International context	2	2	
							Meals and Nutrition for Infants and Young Children			2	2		Handmade necessities for Young Children	2	2	
													Approaches of Early Childhood Education	2	2	
													Multicultural Education for Young Children	2	2	

4 <sup>th</sup> year(114)					
Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		
	Cr	hr	Cr	hr	
MUST Core Required Courses	Indigenous Life & Cultural Creativity	2	2		
	Indigenous Local Industrial Development	2	2		
<b>Subtotal</b>	<b>4</b>	<b>4</b>			
School Professional Required Courses					
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Department compulsory courses	The Preschool, Family and Community	2	2		
	Project Practices(II)	1	1		
	Child and Family Welfare			2	2
<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	
Department Elective Courses	Music and Art Activities for Infants and Toddlers	2	2		
	Art interactive teaching materials and exhibits	2	2		
	Instruction Material Design and Application	2	2		
	Individualized education plan concept and im	2	2		
	Exceptional children's life skills training	2	2		
	Introduction to Inclusive Education	2	2		
	Activity Design for Infants and Toddlers	2	2		
	Baby Massage & Yoga	2	2		
	Marriage and Family Relations	2	2		
	Family Crisis and Stress Management	2	2		
	Children Industry Practicum			1	2
	Creative Teaching Methods			2	2
	Production of Broadcasting and Television Program for Infants and Young Children			2	2
	Off Approach			2	2
Sensory Integration			2	2	
Assistive Technology for Young Children			2	2	
Emotional Disorder Teaching and Practice			2	2	
Cooking and Baking Activities			2	2	

Cr./hr.=Credit/hour  
Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4<sup>th</sup> year.
- Minimum credits required for graduation: 128 credits including 46 department compulsory, 38 MUST core compulsory (including indigenous 20 compulsory credits), and 2 school compulsory credits, and at least 36 elective credits. (including indigenous professional skills courses 10 credits.)
- The 20 Inter-departmental credits are transferable (not including core required courses (Chinese Reading and Expressions(D)(II) · English(D)(II) · Introduction to Programming · Introduction to Artificial Intelligence · Technical English(D)(II) · Applied English(I)(II) · school professional required courses, department compulsory and department elective courses.)
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 87 compulsory credits, and at least 53 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 21. The program can be extended up to 3 academic years.
- "Project Practices(I)" is a prerequisite for "Project Practices(II)".
- "Preschool Curriculum Design", "Preschool Teaching Materials and Methods (I)", and "Preschool Teaching Materials and Methods (II)" are prerequisites for taking the course of "Practicum in Early Childhood Care and Education".
- "Introduction to Early Childhood Care and Education" is a prerequisite course for "Preschool Teaching Materials and Methods (I)" and "Preschool Teaching Materials and Methods (II)".
- Before graduation, students must take "Young Children Industry Practicum" (i.e., Infant Care, Children's Art, Early Intervention, or After-school Child Care Industry), and pass the grade.
- Students in the aboriginal special class of the Constructing Professional Technical Vocational Indigenous Education Course must complete 10 credits
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Early Childhood Education and Care".
- Elective courses are subject to change if necessary.

幼保系課程  
規劃委員會

幼保系主任 張毓幸

服務產業學院 院長 翁文煊

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Leisure Management

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)								
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.	
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses						
	Classified general Education	2	2	2	2		Classified general Education	2	2	2	2							
	Classified general Education	2	2	2	2													
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>					
School Professional Required Courses	Service Industry Management	2	2			School Professional Required Courses	Service Innovation	2	2			School Professional Required Courses						
	Interpersonal Communication			2	2		Ethics for Professionals			2	2							
	Applied Chinese (I)(II)	2	2	2	2		Applied English(III)(IV)	2	2	2	2							
	Applied English(I)(II)	2	2	2	2													
	Introduction to Computers and Programming	3	3															
	Introduction to Artificial Intelligence			3	3													
<b>Subtotal</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>Subtotal</b>								
Department compulsory courses	Management	2	2			Department compulsory courses	Professional Foreign Language(VII)	2	2	2	2	Department compulsory courses	Leisure Sociology	2	2			
	Introduction to Leisure	2	2				Economics	2	2				Types of Leisure Inform Management	2	2			
	Health Promotion	2	2				Leisure Aesthetics	2	2				Research Methods	2	2			
	Introduction to Leisure Resource			2	2		Statistics			2	2		Special Topic Practice(VII)	1	1	1	1	
	Multimedia Application			2	2		Leisure Marketing			2	2		Human Resources Management			2	2	
													Leisure Policy and Regulation			2	2	
<b>Subtotal</b>	<b>6</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>Subtotal</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>Subtotal</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>6</b>				
Department Elective Courses	Applied Psychology	2	2			Department Elective Courses	Leisure Activity Planning	2	2			Department Elective Courses	Activities and Design of Board Games	2	2			
	Coffee Practice	2	2				Tourism Geography	2	2				Retail Management Certificate Practice	2	2			
	The Practice of Art	2	2				Practice of Tour and Guide	2	2				Leisure Macrofilm Practice	2	2			
	Computer Application & Practice			2	2		Leisure and Environment	2	2				Finance and Investment in Leisure Business	2	2			
	The Practice of Tea			2	2		Introduction to Interpretation			2	2		Practice of Global Distribution Systems	2	2			
	Physical Fitness Tests and Promotion						The Practice of Recreation Activity			2	2		Practical Pottery	2	2			
							Tour Planning			2	2		Professional Foreign Language(IX)(X)	2	2	2	2	
							Application of Cultural Leisure Resources			2	2		Sightseeing Bibliology	2	2			
							The Practice of Chinese Instrument-Music			2	2		Analysis of International Leisure Industries	2	2			
													Project Management	2	2			
													Resort Management	2	2			
													Leisure Market Analysis			2	2	
													Therapeutic Arts and Leisure Environment			2	2	
													Leisure Driving Practice			2	2	
													Consumer Behavior			2	2	
													Travel Industry Management Practice			2	2	
													Forest Leisure Planning			2	2	
													Leisure Movies and Management			2	2	
										Hot Spring Resort Management			2	2				
										Hotel Operation and Management			2	2				
										Management of Water Recreation Resource			2	2				
										International Etiquette And Image Management			2	2				

4 <sup>th</sup> year(114)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>				
School Professional Required Courses					
	<b>Subtotal</b>				
Department compulsory courses	Internships in Leisure Management	9	9		
	<b>Subtotal</b>				
Department Elective Courses	Internships			9	9
	Festivals Planning and Management			2	2
	Health Evaluate and Practice			2	2
	Introduction of the Gaming Entertainment Industry			2	2
	Aromatherapy			2	2
	Conference Exhibition Planning & Practice			2	2
Tea House Management			2	2	
Management of Ceramic Studio			2	2	
Cafe Management			2	2	
Ecotourism			2	2	
Electronic Commerce			2	2	
Leisure Product Creation			2	2	
Information Management in Leisure and Tourism			2	2	
Arts Appreciation and Analysis			2	2	

Cr./hr. =Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum graduation credits: 128 credits; Compulsory credits: 84\_ credits. Elective credits: 44\_ (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 32\_ credits.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 84 compulsory credits, and at least 56 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 44. The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the implementation of Off-campus Internship Teaching for Students in the Department of Leisure Management.
- Elective courses are subject to change if necessary.

副教授洪毓美

休閒事業管理系 系主任 廖淑容

服務產業學院 院長 翁文燾

MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Institute of Department of Senior Service Industry Management Graduate Program of Service Industry  
Management

1 <sup>st</sup> year(111)						2 <sup>nd</sup> year(112)						
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.	
MUST Core Required Courses						MUST Core Required Courses						
	<b>Subtotal</b>						<b>Subtotal</b>					
Department compulsory courses	Social Science Research Methods and Seminar	3	3			Department compulsory courses	Thesis	3	3	3	3	
	<b>Subtotal</b>	<b>3</b>	<b>3</b>				<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	
Department Elective Courses	Advanced Topics in Service Industry Management	3	3			Department Elective Courses	Data Analysis and Smart Care	3	3			
	Advanced Topics in Service Marketing Management	3	3				Topics in Smart Service	3	3			
	Advanced Topics in Service Quality Management	3	3				Strategic Management in Service Industries	3	3			
	Topics in Service Information Application	3	3				Service Innovation and Entrepreneurship			3	3	
	Topics in Cultural and Creative Industries	3	3				Topics in health promotion			3	3	
	Topics in multinational active aging	3	3				Overseas Study and Visits			3	3	
	Quantitative Analysis			3	3		Comparative Research of Multinational Service Enterprises			3	3	
	Qualitative Research Methods			3	3		Topics in Consumer Behavior Research			3	3	
	Topics in Health and Welfare Industry			3	3							
	Human Resource Management in Service Industries			3	3							
	Practical Topics in Service Industries			3	3							

Cr./hr. =Credit/hour

Remarks:

1. Minimum graduation credits: 30\_ credits; compulsory credits: 9\_ credits, electives: 21\_ credits (elective credits include inter-departmental elective credits).
2. Study credits per semester: the lower limit is 1 credit
3. The department allows inter-departmental electives, but the credits of the department's major electives cannot be 12\_ credits.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. The elective courses are subject to change if necessary.



MUST Curriculum Planning for Undergraduate Students of Academic Year 2022-2025,  
Department of Senior Service Industry Management ( Continuing Education )

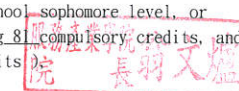
1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)							
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses					
	Classified general Education	2	2	2	2		Classified general Education	2	2								
	Classified general Education	2	2	2	2												
	<b>Subtotal</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>		<b>Subtotal</b>				
School Professional Required Courses	Applied Chinese (I) · (II)	2	2	2	2	School Professional Required Courses	Applied English(III) · (IV)	2	2	2	2	School Professional Required Courses					
	Applied English(I) · (II)	2	2	2	2		Creative Service	2	2								
	Introduction to Computers and Programming	3	3				Ethics for Professionals			2	2						
	Introduction to Artificial Intelligence			3	3												
	Service Industry Management	2	2														
	Interpersonal Communication			2	2												
<b>Subtotal</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>Subtotal</b>							
Department compulsory courses	Gerontology	2	2			Department compulsory courses	Long-Term Care	2	2			Department compulsory courses	Problem Solving Oriented Learning	1	1	1	1
	Sociology	3	3				The Concepts and Practices of Elderly Care	2	2				Social Research Methods	3	3		
	Introduction to Senior Service Industry	2	2				Social Statistics			3	3		Practicum Preparation	1	1		
	Guidance to Professional Licence Examination			1	1		Elderly care techniques and practice			1	2		Care Management Information System	2	2		
	Psychology			3	3								Application of Needs Assessments in Long Term Care			2	2
	<b>Subtotal</b>	<b>7</b>	<b>7</b>	<b>4</b>	<b>4</b>		<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>5</b>		<b>Subtotal</b>	<b>7</b>	<b>7</b>	<b>3</b>	<b>3</b>
Department Elective Courses	Gerontological Physiology			2	2	Department Elective Courses	A Disability Aid Design and Information Application	2	2			Department Elective Courses	A community long-term care	2	2		
	Introduction to Social Welfare			3	3		◇B Introduction to Social Work	3	3				◇B Social Group Work	3	3		
	Health Promotion and Public Health			2	2		◇C Retirement Planning	2	2				C Elderly Nutritional Diet and Management	2	2		
	Medication Safety for the Elderly			2	2		Basic Foreign Languages for Caregivers (I)	2	2				Elderly Physical Fitness and Health Exercise	2	2		
							Human Behavior and Social Environment	3	3				Senior Consumer Behavior	2	2		
							Life Etiquette and Funeral Management	2	2				Disease and Illness Prevention for the Elderly	2	2		
							Health Care System	2	2				Social Policy and Social Legislation	3	3		
							A Planning and Management of Nursing Facility			2	2		Senior Tuma and Shiatsu Practice	2	2		
							◇B Social Case Work			3	3		Intelligent Assistive Technology for Aged Care	2	2		
							◇C Senior Game Design and Implementation			2	2		A General Affairs of Nursing Facility			2	2
							Gerontological psychology			2	2		◇B Community Work			3	3
							Social Psychology			3	3		C Innovation and Design for Smart Living			2	2
							Assistive Resource Management and Maintenance			2	2		Program Planning and Evaluation			3	3
							Aging with Beauty and Styling			2	2		Human Resource Management			2	2
					Basic Foreign Languages for Caregivers(II)			2	2	Aromatherapy and Practice			2	2			
										Introduction to Health Food			2	2			
										Management of Nursing Facility Safety			2	2			
										Overseas Practicum			9	9			

4 <sup>th</sup> year(114)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>				
School Professional Required Courses					
	<b>Subtotal</b>				
Department compulsory courses	Community Service in Practice	1	1		
	Senior Industry Seminar	2	2		
	Practicum			9	9
	<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>9</b>	<b>9</b>
Department Elective Courses	A Quality Management and Accreditation of Nursing Facility	2	2		
	◇B Social Work Management	3	3		
	◇C Financial Planning for Retirement	2	2		
	Social Welfare Administration	3	3		
	Hospice Care and Grief Intervention	2	2		
	Operation and Management of Senior Service Business	2	2		
	Non-Profit Organization Management	2	2		
	Home Care Service	2	2		
	Lifelong Learning and Adult Education	2	2		
	Health Check Management and Practice	2	2		
	Senior Friendly Environmental Planning	2	2		

Cr. /hr. =Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum graduation credits: 128 credits; Compulsory credits: 81 credits. Elective credits: 47 (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 60 credits.
- The three Field Courses are:
  - ◇ Field A Courses -- Smart Care Management
  - ◇ Field B Courses-- Geriatric Social Work
  - ◇ Field C Course -- Planning for Retired Life
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 81 compulsory credits, and at least 59 elective credits (including inter-departmental elective credits) while elective professional course credits shall not be fewer than 47. The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Senior Service Industry Management".
- Elective courses are subject to change if necessary.



MUST Curriculum Planning for Undergraduate Indigenous Students of Academic Year 2022-2025,  
Department of Senior Services Industry Management

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)						
Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			
	Cr.	hr.	Cr.	hr.		Cr.	hr.	Cr.	hr.		Cr.	hr.	Cr.	hr.		
MUST Core Required Courses	◎Physical Education	1	2	1	2	◎Contemporary Social Issues of Indigenous Peoples	2	2			◎Aboriginal Literature and Writing	2	2			
	Applied Chinese (I) - (II)	2	2	2	2	◎Aboriginal Traditional Ritual Activities			2	2	Ethnography and Anthropology			2	2	
	Applied English(I) - (II)	2	2	2	2	◎Indigenous Culture and International Perspectives			2	2						
	◎Introduction to Academic Project Writing in Chinese	2	2			Applied English(III) - (IV)	2	2	2	2						
	▲Introduction to programming	3	3													
	◎Work and Application of Indigenous Languages in Taiwan			2	2											
	Introduction of artificial intelligence			3	3											
<b>Subtotal</b>	<b>10</b>	<b>11</b>	<b>10</b>	<b>11</b>	<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>Subtotal</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>		
School Professional Required Courses					◎Ethics for Professionals			2	2	School Professional Required Courses						
	<b>Subtotal</b>				<b>Subtotal</b>			<b>2</b>	<b>2</b>		<b>Subtotal</b>					
Department compulsory courses	◎Gerontology	2	2			Concepts and Practices of Elderly Care	2	2		Department compulsory courses	Problem Solving Oriented Project (I) (II)	1	1	1	1	
	◎Sociology	3	3			Long-Term Care	2	2			Social Research Methods	3	3			
	◎Introduction to Senior Service Industry	2	2			Social Statistics			3		3	Reference of Health Management in Long-Term Care			2	2
	◎Psychology			3	3	Elderly care techniques and practice			1		2	Practicum Preparation	1	1		
	◎Introduction to Professional License Examination			1	1							Care Management Information System			2	2
<b>Subtotal</b>	<b>7</b>	<b>7</b>	<b>4</b>	<b>4</b>	<b>Subtotal</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>Subtotal</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>		
Department Elective Courses	Gerontological Physiology			2	2	A Introduction to Design and Information Application	2	2		Department Elective Courses	A community long-term care	2	2			
	Introduction to Social Welfare			3	3	B Introduction to Social Work	3	3			B Social Group Work	3	3			
	Health Promotion and Public Health			2	2	C Retirement Planning	2	2			C Elderly Nutritional Diet and Management	2	2			
	Medication Safety for the Elderly			2	2	Basic Foreign Languages for Caregivers (I)	2	2			Elderly Physical Fitness and Health Exercise	2	2			
						Human Behavior and Social Environment	2	2			Senior Consumer Behavior	2	2			
						Life Etiquette and Funeral Management	2	2			Disaster and Crisis Prevention for the Elderly	2	2			
						Tribal Health Assessment and Construction	2	2			Senior Tuina and Shiatsu Practice	2	2			
						Health Care System	2	2			Social Policy and Social Legislation	3	3			
						A Planning and Management of Nursing Facility			2		2	Aboriginal Food Culture and Nutrition Management	2	2		
						B Social Case Work			3		3	Intelligent Assistant Technology for Aging Care	2	2		
						C Senior Care Design and Implementation			2		2	General Affairs of Nursing Facility			2	2
						Introduction to Tribal Senior Industry			2		2	◎B Community Work			3	3
						Aging with Beauty and Styling			2		2	◎ Innovation and Design for Smart Living			2	2
						Basic Foreign Languages for Caregivers (II)			2		2	◎Tribal Aging and Lifelong Learning			2	2
						Gerontological psychology			2		2	Program Planning and Evaluation			3	3
						Social Psychology			3		3	Family Dynamics			2	2
						Assistive Resource Management and Maintenance			2		2	Human Resource Management			2	2
										Introduction to Health Food			2	2		
										Aromatherapy and Practice			2	2		
										Long-term Care in Tribe			2	2		
										Management of Nursing Facility Safety			2	2		
										Overseas Practicum			9	9		

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4<sup>th</sup> year.
- Minimum credits required for graduation: 128 credits including 81 compulsory credits, and at least 47 elective credits (20 interdepartmental credits are included).  
Technical English(I)(II) · Applied English(I)(II) · school professional required courses, department compulsory and department elective courses.)
- Students must have skill practice in a senior citizen service organization in the second semester in their senior year.
- The three Field Courses are:  
◇ Field A Courses -- Smart Care Management  
◇ Field B Courses-- Geriatric Social Work
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 81 compulsory credits, and at least 59 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 47. The program can be extended up to 3 academic years.
- Elective courses are subject to change if necessary.

樂服系 游豐吉 主任



服務產業學院 公文爐 院 長 羽 文

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Applied Foreign Languages

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)							
Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester				
	Cr.	hr.	Cr.	hr.		Cr.	hr.	Cr.	hr.		Cr.	hr.	Cr.	hr.			
MUST Core Required Courses	Physical Education	0	2	0	2	General Education	2	2	2	2	MUST Core Required Courses						
	General Education	2	2	2	2	General Education	2	2									
	General Education	2	2	2	2												
	Subtotal	4	6	4	6												
School Professional Required Courses	Introduction to Programming	3	3			Applied English (III) (IV)	2	2	2	2	School Professional Required Courses						
	Introduction to Artificial Intelligence			3	3												
	Applied Chinese (I) (II)	2	2	2	2												
	Applied English (I) (II)	2	2	2	2												
	Subtotal	7	7	7	7												
Compulsory courses	English Pronunciation	2	2			Compulsory courses	Intermediate English Listening & Speaking (I)(II)	2	2	2	2	Compulsory courses	English-Chinese Translation: Theory & Practice (I) (II)	2	2	2	2
	English Grammar (I)(II)	2	2	2	2		English Conversation (I) (II)	2	2	2	2		Intermediate English Writing (I) (II)	2	2	2	2
	Basic English Listening & Speaking (I) (II)	2	2	2	2		Basic English Writing (I) (II)	2	2	2	2		Upper-Intermediate English Listening & Speaking	2	2		
							English Reading & Discussion (I) (II)	2	2	2	2		Research Projects (I) (II)	1	1	1	1
							Professional Ethics	2	2				English Speech			2	2
							Introduction to Research			1	2		Upper-Intermediate English Reading			2	2
	Subtotal	6	6	4	4		10	10	9	10		7	7	9	9		
Elective Courses	Internet English	2	2			Elective Courses	⊙ Basic Business English	2	2			Elective Courses	⊕ Introduction to Foreign Language Teaching	2	2		
	English for Travelling	2	2				⊕ Foreign Language Learning Strategies	2	2				⊙ Basic English for Finance	2	2		
	German (I) (II)	2	2	2	2		⊕ Culture & Foreign Language Teaching	2	2				⊕ Presentation in English	2	2		
	Japanese (I) (II)	2	2	2	2		English for Journalism	2	2				Language Certification Preparation	2	2		
	⊕ English Communication Skills			2	2		Japanese (III) (IV)	2	2	2	2		Intermediate Japanese (I) (II)	2	2	2	2
	△ Practical Foreign Language	2	2				German (III) (IV)	2	2	2	2		Intermediate German (I) (II)	2	2	2	2
	⊕ Intercultural Communication: Theory & Practice			2	2		△ Evaluation of Cross-cultural Media	2	2				⊙ Upper-Intermediate Financial English			2	2
	△ Fashion Foreign Language			2	2		⊕ An Introduction to Chinese Language Teaching	2	2				⊕ Foreign Language Teaching: Methods & Materials			2	2
	⊕ Educational Psychology			2	2		⊕ Language Acquisition & Development			2	2		⊕ English Linguistics			2	2
	⊕ Selected Readings in Western Literature			2	2		⊙ Intermediate Business English			2	2		Professional Certification Preparation			2	2
					△ Sports English			2	2								

4 <sup>th</sup> year(114)				
Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
	Cr.	hr.	Cr.	hr.
MUST Core Required Courses				
Subtotal				
School Professional Required Courses				
Subtotal				
Compulsory courses	Internship (II)		9	9
Subtotal			9	9
Elective Courses	⊙ Business English for Science & Technology	2	2	
	MICE English	2	2	
	Aviation English	2	2	
	Internship (I)	9	9	
	⊕ Foreign Language Teaching Practicum	2	2	
	⊙ English for International Marketing	2	2	
	Children's Literature Projects	2	2	
⊙ Business English Practicum	2	2		

Cr./hr.=Credit/hour

Remarks:

1. According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
2. Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
3. In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
4. Minimum graduation credits: 128 credits; Compulsory credits: 86 credits. Elective credits: 42 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 26 credits.
5. Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 86 compulsory credits, and at least 54 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 38. The program can be extended up to 3 academic years.
6. Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Applied Foreign Languages.
7. Courses marked in △ are school featured courses. Students having completed the required 8 credits will be issued a school certificate.
8. Students are required to select minimum 8 credits as their second foreign languages credits.
9. Students having completed the required 12-credit module courses, marked with ⊕ or ⊙, will be issued a certificate.
10. Elective courses are subject to change if necessary.

李維德

應用外語系 林麗雪 主 任

人文設計學院 李來春 院 長

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Sports Management

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)							
Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester				
	Cr.	hr.	Cr.	hr.		Cr.	hr.	Cr.	hr.		Cr.	hr.	Cr.	hr.			
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified General Education	2	2	2	2	MUST Core Required Courses					
	Classified General Education	2	2	2	2		Classified General Education	2	2								
	Classified General Education	2	2	2	2												
	Subtotal	4	6	4	6		Subtotal	4	4	2	2		Subtotal				
School Professional Required Courses	Applied Chinese(I)(II)	2	2	2	2	School Professional Required Courses	Applied English(III)(IV)	2	2	2	2	School Professional Required Courses					
	Applied English(I)(II)	2	2	2	2												
	Introduction and application of artificial intelligence	3	3														
	Introduction to programming			3	3												
Subtotal	7	7	7	7	Subtotal	2	2	2	2	Subtotal							
Department compulsory courses	△Body sculpture	2	2			Department compulsory courses	Sports Marketing	2	2			Department compulsory courses	Sports News	2	2		
	The analysis on the pathways for employment	2	2				Introduction to Sport Industry	2	2				Practice of activities and games(I)	2	2		
	Exercise Physiology			2	2		△Group motivation and leadership	2	2				Prescriptions of Exercise Therapy	2	2		
							Accounting			2	2		Project(I)(II)	1	1	1	1
							Sport Facility Planning and Management			2	2		Special Sport Recreation Planning			2	2
							statistics			2	2		Sports Injury			2	2
Subtotal	4	4	2	2	Subtotal	6	6	8	8	Subtotal	7	7	7	7			
Department Elective Courses	B Practices of ball games	2	2			Department Elective Courses	A Sport and History	2	2			Department Elective Courses	A Fitness Management	2	2		
	B Practices of fitness sports			2	2		△A Sports tourism	2	2				A Sports equipment design	2	2		
	Triathlon			2	2		B Practices of fitness sports	2	2				A Human Resource Management	2	2		
							B Sports Nutrition	2	2				B Practices of ball games	2	2		
							Sports anatomy	2	2				A Sports clubs and club management			2	2
							Sports Massage			2	2		A Financial Management			2	2
							A Sport Event Management and Planning			2	2		A Golf Company Management			2	2
							A Practices of team leaders and tour guides			2	2		B Practices of water sports			2	2
							B Practices of track and field games			2	2						
							Skiing			2	2						

4 <sup>th</sup> year(114)				
Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
	Cr.	hr.	Cr.	hr.
MUST Core Required Courses				
Subtotal				
School Professional Required Courses				
Subtotal				
Department compulsory courses	Practice of activities and games(II)	2	2	
	Specialized Practice Training	2	2	
	Creative Thinking	2	2	
	Sport Industry Management Course	1	2	
	Off-campus internship			9
Subtotal	7	8	9	9
Department Elective Courses	A Customer Relationship Management	2	2	
	B Practices of ball games	2	2	
	B Practices of fitness sports	2	2	

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4<sup>th</sup> year.
- Minimum credits required for graduation: 128 credits including 82 compulsory credits, and 46 elective credits, while elective professional course credits shall not be fewer than 30.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 82 compulsory credits, and at least 58 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 42. The program can be extended up to 3 academic years.
- △ is a characteristic course of the School of Humanities and Design. Students from the School of Humanities and Design take 8 credits before graduation and pass, and the School of Humanities and Design issues a certificate of study (foreign students can recognize cross-domain elective credits).
- The Department offers the following modules for students to choose (students should complete the courses of at least one module and pass the license examination). Students should take elective courses of 10 credits from both modules A and B. ◇ Elective course of module A - sports industry operation (1 license concerning operation and management) ◇ Elective course of module B - sports technical guidance (1 license concerning sports management)
- Before graduation, you need to have (1) 200 hours of practical study on and off campus (excluding the hours of Internship in Professional Practice), (2) studied 6 types of sports, (3) four sports-related licenses, Class B license and certificates approved by the Sports Department of the Ministry of Education can be used for two Class C licenses. The number of certificates obtained must not be less than three. (4) Information ability Foreign students are not subject to these restriction.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Department of Sports Management.
- Elective courses are subject to change if necessary.

系課務委員簽章:

副教授向薇潔

課程委員會  
規畫委員

系主任簽章:

運管系高小芳  
主任

院長簽章:

人文與設計學院  
院長李來春



MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Fashion Styling and Design.

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)										
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester				
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses								
	Classified general Education	2	2	2	2		Classified general Education	2	2											
	Classified general Education	2	2	2	2															
	<b>Subtotal</b>	4	6	4	6		<b>Subtotal</b>	4	4	2	2		<b>Subtotal</b>	0	0	0	0			
School Professional Required Courses	Applied Chinese(I)(11)	2	2	2	2	School Professional Required Courses	Technical English(III)(IV)	2	2	2	2	School Professional Required Courses								
	Technical English(I)(11)	2	2	2	2															
	Introduction to Computers and Programming	3	3																	
	Introduction to Artificial Intelligence			3	3															
	<b>Subtotal</b>	7	7	7	7		<b>Subtotal</b>	2	2	2	2		<b>Subtotal</b>	0	0	0	0			
Department compulsory courses	Life Science and Experiments (I)(11)	2	2	2	2	Department compulsory courses	Skin Physiology	2	2			Department compulsory courses	Overall design	2	2					
	Multimedia Art	2	2				Skincare implementation	2	2				Beauty Instrumentation	2	2					
	Cosmetic Design Illustration	2	2				Manicure	2	2				Special production			2	2			
	Makeup implementation			2	2		Cosmetic Preparation Laboratory Manual (I)(11)	2	3	2	3		Professional ethics			2	2			
	Hand and Foot Care			2	2		Hair Style Design			2	2		Practical internship (I) (11)	2	2	2	2			
							Color art aesthetics			2	2									
							Health regulations and case studies			2	2									
	<b>Subtotal</b>	6	6	6	6		<b>Subtotal</b>	8	9	8	9		<b>Subtotal</b>	6	6	6	6			
Department Elective Courses	Accessories Design	2	2			Department Elective Courses	Chinese Herbal Cosmetology	2	2			Department Elective Courses	Communication Chromatics	3	3					
	Microcomputer application and practice			3	3		Raw Material of Cosmetics	2	2				Special effects makeup	2	2					
	Oral expression skills			2	2		Brand Marketing Planning	2	2				Commodity packaging and design	2	2					
							Practical Korean	2	2				Perfuming art	2	2					
							Formative Principle	2	2				Beauty and Beauty	2	2					
							Introduction to Flavors and Fragrances			2	2		Bride secretary practice	2	2					
							Nutrition of Beauty			2	2		Painted design			2	2			
							Beauty Korean	2	2				Aromatic oil application			2	2			
							Biotechnology Cosmetics	2	2				Movie Makeup			2	2			
							Hair technology practice			2	2		medical cosmetology			2	2			
							Skin care formulations			2	2		Beauty and health			2	2			

4 <sup>th</sup> year(114)					
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	<b>Subtotal</b>	0	0	0	0
School Professional Required Courses					
	<b>Subtotal</b>	0	0	0	0
Department compulsory courses	Off-campus internship (I) (II)	9	9	9	9
	<b>Subtotal</b>	9	9	9	9
Department Elective Courses					

Cr./hr.=Credit/hour

Remarks:

1. According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
2. Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
3. In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
4. Minimum graduation credits: 128 credits; Compulsory credits: 90 credits. Elective credits: 38 (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 20 credits.
5. Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 90 compulsory credits, and at least 50 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 32. The program can be extended up to 3 academic years.
6. Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Fashion Styling and Design".
7. Elective courses are subject to change if necessary.

時尚設計學院  
任夏一民

李玉蘋

人文設計學院  
院長 李來春

MUST Curriculum Planning for Undergraduate Students for Academic Years 2022-2025  
Department of Multimedia and Game Development

1 <sup>st</sup> year(111)					2 <sup>nd</sup> year(112)					3 <sup>rd</sup> year(113)									
	Course	1st semester		2 <sup>nd</sup> semester			Course	1st semester		2 <sup>nd</sup> semester			Course	1st semester		2 <sup>nd</sup> semester			
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.		
MUST Core Required Courses	Physical Education	0	2	0	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses							
	Classified general Education	2	2	2	2		Classified general Education	2	2										
	Classified general Education	2	2	2	2														
	Subtotal	4	6	4	6		Subtotal	4	4	2	2		Subtotal						
School Professional Required Courses	Applied Chinese(I)(II)	2	2	2	2	School Professional Required Courses	Applied English(III)(IV)	2	2	2	2	School Professional Required Courses							
	Applied English(I)(II)	2	2	2	2														
	Introduction to Computers and Programming	3	3																
	Introduction to Artificial Intelligence	3	3																
	Subtotal	10	10	4	4		Subtotal	2	2	2	2		Subtotal						
Department compulsory courses	Image Style and Photography Aesthetics(I)(II)	2	2	2	2	Department compulsory courses	Directing(I)(II)	2	2	2	2	Department compulsory courses	Multimedia Professional English	2	2				
	Design of Basic Art	2	2				Game Design	2	2				Ethics for Professionals	2	2				
	Basic Programming Design			2	2		Basic Animation Design	2	2				Project(I)			1	1		
	Basic Character Design			2	2		Object-Oriented Programming	2	2										
	Storytelling and Script Writing			2	2		Game Programming			2	2								
	Subtotal	4	4	8	8		Subtotal	8	8	4	4		Subtotal	4	4	1	1		
Department Elective Courses	Introduction to Drama	2	2			Department Elective Courses	Game Competition and Production Practice	2	2			Department Elective Courses	Practice of Image Editing	2	2				
	Practice of Multimedia and Game Design	2	2				Story Design and Storyboard Making	2	2				Design Thinking	2	2				
	Planar Photography and Editing	2	2				Practice of 3D Modelling	2	2				Questionnaire Survey and Statistics	2	2				
	Chromatics			2	2		3D Computer Graphics	2	2				Digital Music	2	2				
	Python Programming Design			2	2		New Media Application and Precision Marketing			2	2		Mobile Game Design	2	2				
	New Media and Internet Celebrity Economy Omnimedia Industry Application			2	2		Video Editing			2	2		Image Composition	2	2				
	Digital Art Design			2	2		Typographic Design Art			2	2		VR Game Design	2	2				
	Basic Practice of Game Competition			2	2		App Practice and Application			2	2		Integration of Omnimedia Resource	2	2				
							Game Scene Design			2	2		VR Practice and Application			2	2		
							Animation Compositing and Editing			2	2		Practice of Image Recognition			2	2		
							Concept of Machine Learning			2	2		Game Project Management			2	2		
													AR Practice and Application			2	2		
													3D Printing			2	2		
													Integration of Cross-Age Media Resource			2	2		
										Digital Soundtrack Application			2	2					
										Game Engine Practice			2	2					

4 <sup>th</sup> year(114)					
	Course	1st semester		2 <sup>nd</sup> semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	Subtotal				
School Professional Required Courses					
	Subtotal				
Department compulsory courses	Project(II)	1	1		
	Off-Campus Internship			9	9
	Subtotal	1	1	9	9
Department Elective Courses	Practice of Cross-Platform Game Design	2	2		
	Practice of Intelligent Game Design	2	2		
	Professional Manager	2	2		
	IP Industry Chain	2	2		
	Illustration Design	2	2		
	AI Practice and Application	2	2		
	Guidance of Multimedia Professional Certification	2	2		

Cr./hr.=Credit/hour

Remarks:

- According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.
- Students shall take 4 hours Service Education courses (0 credits) in the first and second semester of the first academic year.
- In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum graduation credits: 128 credits; Compulsory credits: 71 credits. Elective credits: 57 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 30 credits.
- Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits including 71 compulsory credits, and at least 69 elective credits (including inter-departmental elective credits), while elective professional course credits shall not be fewer than 51.
- The program can be extended up to 3 academic years.
- Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Multimedia and Game Development.
- Elective courses are subject to change if necessary.

多遊系曾俊霖  
主任

多遊系彭亦暄  
助理教授

人文與設計學院  
院長李來春