

113 Course List for Undergraduate Program in Pharmacy
【First Year】

Subject No	Subject Name	Required(R)/ Elective(E)	Credit	Semester		Instructor
				Fall	Spring	
AITU1	Introduction to University	R	P/F	v		The Center of General Education
	Python	R	2	2		The Center of General Education
ARAW	English Reading	R	4	2	2	The Center for Languages and Culture
ALAS	English Listening and Speaking	R	2	1	1	The Center for Languages and Culture
ACHI	Chinese	R	4	2	2	The center for languages and culture
	Physical Education	R	0	v	v	Physical education center
AASN4	Service Learning	R	1		1	Lin, Hong-Liang
AIPC0	Orientation in Pharmacy	R	2	2		Ko, Horng-Huey
AGCH3	General Chemistry	R	2	2		Cheng, Yung-Yi
ACAL0	Calculus	R	2	2		The Center for Fundamental Science
APBO1	Medicinal Botany	R	2	2		Chen, Yu-Chang
ABSL0	Chemistry related Laboratory (General/Analytical/Organic Chemistry)	R	1	1		Cheng, Yung-Yi
AGBE1	General Biology (B) (1) (2)	R	4	2	2	Department of Biotechnology
AOCH5	Organic Chemistry (1)	R	2		2	Yang, Shyh-Chyun
AACH2	Analytical Chemistry	R	2		2	Chang, William Chih-Wei
ABCD5	Introduction to Chinese Medicine	R	2		2	Lin, Chien-Ju
ASPL2	Searching for Pharmacy Literature	R	2		2	Wu, Yu-Tse
Total Credits of Required Subjects			34	18	16	
AGPH2	General Physics	E	3	3		The center for fundamental science
AJAP0	Japanese	E	4	2	2	The center for languages and culture
AGER1	German	E	4	2	2	The center for languages and culture
A0043	All-out Defense Education Military Training	E	2	1	1	Military Office
AGBL0	General Biology Laboratory	E	1		1	Department of Biotechnology
APBL1	Medicinal Botany Laboratory	E	1		1	Chen, Yu-Chang
Total Credits of Elective Subjects			15	8	7	

113 Course List for Undergraduate Program in Pharmacy
【Second Year】

Subject No	Subject Name	Required(R)/ Elective(E)	Credit	Semester		Instructor
				Fall	Spring	
	Physical Education	R	0	v	v	Physical Education Center
AANA7	Anatomy	R	1	1		The Department of Anatomy
AOCH6	Organic Chemistry (2)	R	2	2		Yang, Shyh-Chyun
ABCL0	Biochemistry Laboratory	R	2	2		Department of Biochemistry
	Physical Pharmacy (1)	R	2	2		Wu, Yu-Tse
ABIB2	Biochemistry (Including Molecular Biology) (1) (2)	R	4	2	2	Department of Biochemistry
APHY9	Physiology (A)	R	4	2	2	Department of Physiology
	Physiology (EMI)	R	4	2	2	Department of Physiology
APCG3	Pharmacognosy (1) (2)	R	4	2	2	Chang, Hsun-Shuo
APAN1	Pharmaceutical Analysis (1) (2)	R	4	2	2	Wang, Chun-Chi
APME0	Medicinal Chemistry (1)	R	1		1	Tseng, Chih-Hua
ABIT1	Biostatistics	R	2		2	Lai, Lian
	Biostatistics(EMI)	R	2		2	Lai, Lian
	Physical Pharmacy (2)	R	1		1	Wu, Yu-Tse
AHBY1	Herbology	R	2		2	Wu, Ho-Cheng
Total Credits of Required Subjects			29	15	14	
ANBP0	Introduction of Drug Research and Development	E	2	2		Lin, Hong-Liang
ASPW ASPW0	Research Training (1)(2)	E	2	1	1	Chang, William Chih-Wei
	Interprofessional Communication in Pharmaceutical Care (EMI)	E	2	2		Lin, Ying-Chi
	All-out Defense Education Military Training Training	E	2	1	1	Military Office
ADFM1	Cosmetic Science and Product Development	E	2		2	Wang, Chun-Chi
	Molecular Cell Biology (1)	E	2		2	Chen, Yih-Fung
APAR0	Parasitology	E	1		1	Department of Parasitology
APHL3	Physiology Laboratory	E	1		1	Department of Parasitology
	Physiology Laboratory(EMI)	E	1		1	Department of Physiology
	Nutrition and Health Supplements	E	2		2	Hsieh, Kan-Yen
Total Credits of Elective Subjects			16	6	10	

113 Course List for Undergraduate Program in Pharmacy
【Third Year】

Subject No	Subject Name	Required(R)/ Elective(E)	Credit	Semester		Instructor
				Fall	Spring	
AMIM1	Microbiology and Immunology	R	3	3		Department of Microbiology and Immunology
AMBL0	Microbiology and Immunology Laboratory	R	1	1		Department of Microbiology and Immunology
ABLA1	Pharmaceutical Science Laboratory(1) (Pharmacognosy/ Medicinal Chemistry/ Pharmaceutics/Pharmaceutical Analysis)	R	2	2		Fang, Yi-Ping
AACR4	Chinese Pharmacognosy	R	2	2		Lin, Chien-Ju
APME3 APME4	Medicinal Chemistry (2) (3)	R	4	2	2	Tseng, Chih-Hua
APHA1	Pharmacology (1) (2)	R	4	2	2	Department of Pharmacology
APMA1	Pharmaceutics (1)(2)	R	4	2	2	Wu, Pao-Chu
	Clinical Pharmacognosy	R	2		2	Lin, Chien-Ju
	Clinical Pharmacognosy Laboratory	R	1		1	Lin, Chien-Ju
ABLA2	Pharmaceutical Science Laboratory(2) (Pharmacognosy/ Medicinal Chemistry/ Pharmaceutics/Pharmaceutical Analysis)	R	2		2	Fang, Yi-Ping
ABPC3	Biopharmaceutics	R	3		3	Huang, Yaw-Bin
APCL1	Pharmacology Laboratory	R	1		1	Department of Pharmacology
Total Credits of Required Subjects			29	14	15	
APAD4	Pharmacy practice Management	E	2	2		Tseng, Chih-Hua
	Molecular Cell Biology (2)	E	2	2		Chen, Yih-Fung
APPS4 APPS5	Pharmaceutical Sciences Practice (1) (2)	E	4	2	2	Fang, Yi-Ping
	Research Training (3)(4)	E	2	1	1	Chang, William Chih-Wei
ACTS1	Introduction to Clinical Trials	E	2		2	Fang, Yi-Ping
APDF1	Formulation Design and Manufacturing	E	2		2	Wu, Yu-Tse
APDF2	Formulation Design and Manufacturing Lab.	E	1		1	Wu, Yu-Tse
APMN0	Special Lectures in Pharmaceutical Marketing and Management	E	2		2	Lai, Zong-Cheng
Total Credits of Elective Subjects			17	7	10	

113 Course List for Undergraduate Program in Pharmacy
【Fourth Year】

Subject No	Subject Name	Required(R)/ Elective(E)	Credit	Semester		Instructor
				Fall	Spring	
APPI2	Non-Prescription Drugs	R	2	2		Hsieh, Kun-Pin
ADPM0	Dispensing Pharmacy and Clinical Pharmacy(1)	R	2	2		Wu, Yu-Tse
APPS2	Community Pharmacy Practice (1)	R	2	2		Chen,Chung-Yu
	Manufacturing Pharmacognosy	R	2	2		Wu, Ho-Cheng
	Manufacturing Pharmacognosy Labortary	R	1	1		Wu, Ho-Cheng
APAD0	Pharmacy Administration and Regulating Law	R	2	2		Huang, Yaw-Bin
APCP3 APCP4	Pharmacotherapeutics (1) (2)	R	4	2	2	Hsieh, Kun-Pin
APAT6	Pathophysiology (1)(2)	R	2	1	1	Chen,Chung-Yu
AHPA2	Community Pharmacy (Including Long-Term Care)	R	2		2	Lin, Ying-Chi
ADPM1	Dispensing Pharmacy and Clinical Pharmacy (2)	R	2		2	Chen,Chung-Yu
ACLI0	Clinical Pharmacokinetics	R	2		2	Huang, Yaw-Bin
APIN5	Drug Information and Evidence Based Medicine	R	2		2	Lin, Ying-Chi
ATOX1	Toxicology	E	2		2	Li, Jih-Heng
Total Credits of Required Subjects			27	14	13	
MMPC0	Pharmacoeconomics(EMI)	E	2	2		Lai, Leanne
AMCP1	Pharmaceutical Biotechnology and Clinical application	E	1	1		Lin, Hong-Liang
ALPM2	Pharmaceutical Manufacturing and Validation	E	2	2		Wu, Yu-Tse
AHRM1	Pharmaceutical Human Resource Management	E	2	2		Huang, Yaw-Bin
AOOC1	Practical Training Abroad	E	2	2		Lin, Ying-Chi
	Protein Pharmaceuticals: Production and Development	E	2	2		Hsieh, Kan-Yen
	Advanced Research Training (1)(2)	E	4	2	2	Chang, William Chih-Wei
APCD3 APCD4	Traditional Chinese Medicine Pharmacy Practice (1)(2)	E	2	1	1	Chen, Yu-Chang
	Industrial Pharmacy	E	2		2	Lin, Hong-Liang
ACIH1	Precision Medicine	E	2		2	Hsieh, Kun-Pin
ABAT1	Research Article Evaluation and Proposal Writing	E	2		2	Chang, William Chih-Wei
AIPC2	Introduction to Pharmaceutical Care	E	2		2	Chen,Chung-Yu
AHRM2	Pharmaceutical Financial Management	E	2		2	Chang, William Chih-Wei
	Companion Animals Medication	E	2		2	Chen,Chung-Yu
APPS3	Community Pharmacy Practice (2)	E	2		2	Chen,Chung-Yu
Total Credits of Elective Subjects			31	14	17	

113 Course List for Undergraduate Program in Pharmacy
【Fifth Year】

Subject No	Subject Name	Required(R)/ Elective(E)	Credit	Semester		Instructor
				Fall	Spring	
AIPH3	Introduction to Public Health and Pharmacoepidemiology	R	2	2		Lai, Lian
ACPP4	Pharmacy Career Planning	R	1	1		Lin, Chien-Ju
APTBI	Pharmacy Ethics	R	2	2		Tseng, Chih-Hua
APCP2	Pharmacotherapeutics (3)	R	2	2		Hsieh, Kun-Pin
	Pathophysiology (3)	R	1	1		Chen,Chung-Yu
ADPL1	Dispensing Pharmacy Laboratory	R	2	2		Chen,Chung-Yu
ACSN1	Clinical Skills	R	2	2		Hsieh, Kun-Pin
APPF7	Hospital Pharmacy Practice	R	9		9	Hsieh, Kun-Pin
Total Credits of Required Subjects			21	12	9	
APMC2	Natural Products and Pharmaceutical Chemistry	E	2	2		Tseng, Hui-Ju
ABIP2	Pharmaceutical and Biologic Product Development	E	2	2		Fang, Yi-Ping
ABAT2	Thesis of B.S.	E	2	2		Chang, Hsun-Shuo
ASDR0	Drug Safety and Abuse	E	2	2		Chiu, I Hsiu
	Toxicants	E	2	2		Wang, Chun-Chi
	Regenerative medicine and cell therapy	E	2	2		Hsieh, Kan-Yen
	Pharmaceutical Sciences Practice (3)	E	2	2		Fang, Yi-Ping
	Community Pharmacy Practice (3)	E	2	2		Chen,Chung-Yu
Total Credits of Elective Subjects			16	16	0	

Remarks:

1. Students must complete **180** credits to graduate.
2. At least pass an English proficiency test at CEFR B1 level or higher.