

112 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	<b>Lin, Hong-Liang</b>
AIPC0	<b>Orientation in Pharmacy</b>	R	<b>2</b>	<b>2</b>		<b>Ko, Horng-Huey</b>
AGCH3	General Chemistry	R	2	2		<b>Cheng, Yung-Yi</b>
ACAL0	Calculus	R	2	2		The Center for Fundamental Science
APBO1	Medicinal Botany	R	2	2		Chen, Yu-Chang
AGBE1	General Biology (B) (1) (2)	R	4	2	2	Department of Biotechnology
ABSL0	Chemistry related Laboratory (General/Analytical/Organic Chemistry)	R	1	1		<b>Cheng, Yung-Yi</b>
AOCH5	Organic Chemistry (1)	R	2		2	Yang, Shyh-Chyun
AACH2	Analytical Chemistry	R	2		2	<b>Chang, William Chih-Wei</b>
ABCD5	Introduction to Chinese Medicine	R	2		2	Lin, Chien-Ju
<b>ASPL2</b>	<b>Searching for Pharmacy Literature</b>	<b>R</b>	<b>2</b>		<b>2</b>	<b>Wu, Yu-Tse</b>
Total Credits of Required Subjects			<b>34</b>	<b>18</b>	<b>16</b>	
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			<b>15</b>	<b>8</b>	<b>7</b>	

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【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
ABIB2	Biochemistry (Including Molecular Biology) (1) (2)	R	4	2	2	Department of Biochemistry
APHY9	Physiology (A) (1) (2)	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	<b>Lai, Lian</b>
	Physical Pharmacy (1)	R	<b>2</b>	<b>2</b>		Wu, Yu-Tse
	Physical Pharmacy (2)	R	<b>1</b>		<b>1</b>	Wu, Yu-Tse
AHBY1	Herbology	R	2		2	Lin, Chien-Ju
Total Credits of Required Subjects			<b>29</b>	<b>15</b>	<b>14</b>	
ANBP0	Introduction of Drug Research and Development	E	2	2		Lin, Hong-Liang
ASPW ASPW0	Research Training (1)(2)	E	2	<b>1</b>	<b>1</b>	<b>Chang, William Chih-Wei</b>
ADFM1	Cosmetic Science and Product Development	E	2		2	Wang, Chun-Chi
	<b>Molecular Cell Biology (1)</b>	<b>E</b>	<b>2</b>		<b>2</b>	<b>Chen, Yih-Fung</b>
APAR0	Parasitology	E	1		1	Department of Parasitology
	All-out Defense Education Military Training Training	E	2	1	1	Military Office
APHL3	Physiology Laboratory	E	1		1	Department of Physiology
Total Credits of Elective Subjects			12	<b>4</b>	<b>8</b>	

112 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		Chang, Hsun-Shuo
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
	<b>Molecular Cell Biology (2)</b>	<b>E</b>	<b>2</b>	<b>2</b>		<b>Chen, Yih-Fung</b>
APPS4 APPS5	Pharmaceutical Sciences Practice (1) (2)	E	4	2	2	Fang, Yi-Ping
	Research Training <b>(3)(4)</b>	<b>E</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>Chang, William Chih-Wei</b>
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			<b>17</b>	<b>7</b>	<b>10</b>	

112 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		Lin, Chien-Ju
	Manufacturing Pharmacognosy Labortary	R	1	1		Lin, Chien-Ju
<b>APAD0</b>	<b>Pharmacy Administration and Regulating Law</b>	<b>R</b>	<b>2</b>	<b>2</b>		<b>Huang, Yaw-Bin</b>
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
<b>ACLI0</b>	<b>Clinical Pharmacokinetics</b>	<b>R</b>	<b>2</b>		<b>2</b>	<b>Huang, Yaw-Bin</b>
<b>ATOX1</b>	<b>Toxicology</b>	<b>E</b>	<b>2</b>		<b>2</b>	<b>Chiou, Yi-Shiou</b>
APIN5	Drug Information and Evidence Based Medicine	R	2		2	Lin, Ying-Chi
<b>Total Credits of Required Subjects</b>			<b>27</b>	<b>14</b>	<b>13</b>	
MMPC0	Pharmacoeconomics	E	2	2		<b>Lai, Leanne</b>
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
	<b>Advanced Research Training (1)(2)</b>	<b>E</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>Chang, William Chih-Wei</b>
<b>APCD3 APCD4</b>	<b>Traditional Chinese Medicine Pharmacy Practice (1)(2)</b>	<b>E</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>Chen, Yu-Chang</b>
	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
APPS3	Community Pharmacy Practice (2)	E	2		2	Chen,Chung-Yu
<b>Total Credits of Elective Subjects</b>			<b>27</b>	<b>12</b>	<b>15</b>	

112 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		Chen,Chung-Yu
ACPP4	Pharmacy Career Planning	R	1	1		<b>Lin, Chien-Ju</b>
APTBI	Pharmacy Ethics	R	2	2		<b>Tseng, Chih-Hua</b>
APCP2	Pharmacotherapeutics (3)	R	2	2		Hsieh, Kun-Pin
	Pathophysiology (3)	R	1	1		Chen,Chung-Yu
ADPL1	<b>Dispensing Pharmacy Laboratory</b>	<b>R</b>	<b>2</b>	<b>2</b>		<b>Chen,Chung-Yu</b>
ACSN1	<b>Clinical Skills</b>	<b>R</b>	<b>2</b>	<b>2</b>		<b>Hsieh, Kun-Pin</b>
APPF7	Hospital Pharmacy Practice	R	9		9	Hsieh, Kun-Pin
<b>Total Credits of Required Subjects</b>			<b>21</b>	<b>12</b>	<b>9</b>	
APMC2	Natural Products and Pharmaceutical Chemistry	E	2	2		Tseng, Chih-Hu
ABIP2	The development and manufacturing of biopharmaceuticals	E	2	2		Fang, Yi-Ping
<b>AEMI1</b>	<b>Interprofessional Communication in Pharmaceutical Care</b>	<b>E</b>	<b>2</b>	<b>2</b>		<b>Lin, Ying-Chi</b>
<b>ABAT2</b>	<b>Thesis of B.S.</b>	<b>E</b>	<b>2</b>	<b>2</b>		<b>Chang, Hsun-Shuo</b>
<b>ASDR0</b>	<b>Drug Safety and Abuse</b>	<b>E</b>	<b>2</b>	<b>2</b>		<b>Chiu, I Hsiu</b>
	Toxicants	E	2	2		Wang, Chun-Chi
	Pharmaceutical Sciences Practice (3)	E	2	2		Fang, Yi-Ping
	Community Pharmacy Practice (3)	E	2	2		Chen,Chung-Yu
<b>Total Credits of Elective Subjects</b>			<b>16</b>	<b>16</b>		

Remarks:

- Students must complete **170** credits to graduate.
- At least pass one of the below English qualification:

CEF Index	TOEFL			IELTS	GEPT	TOEIC	CSEPT 第二級	Cambridge Main Suite	BULATS
	PBT (IPT)	CBT	IBT						
B2 Threshold	523	193	68	5.0	Medium	700	260	PET	ALTE Level 2