



Bachelor of Science in Pharmacy (BSP)

COURSE CHECKLIST

First Year, First	Semester - 21 units					
,	Course	Unit/s	Prerequisite/s	Co-requisite/s		
NSTP 1	National Service Training Program 1	(3)				
	National Service Training Program (NSTP) is a program aimed at enhancing civic consciousness					
	and defense preparedness in the youth by developing					
	undergoing training in any of its three (3) program components. Its various components					
	especially designed to enhance the youth's active of	contribution	to the general welfa	re.		
PE I	Physical Education I	(2)				
GE	Core GE Subject	3				
GE	Core GE Subject	3				
GE	Core GE Subject	3				
Chem 18	Fundamentals of General Chemistry II	3				
Pharm 101	Pharmacy as a Profession	2				
	Overview of the scope of pharmacy practice in the	Philippine	context including de	scriptions of		
	various fields and career opportunities		_			
Pharm 106	Pharmaceutical Calculations	2				
	Calculations in the preparation and safe and effec	tive use of p	harmaceuticals			
Clin Pharm 140	Pharmacist in the Healthcare System	2				
	Introduction to the Philippine health care system and the roles of the pharmacist at various levels of					
	care					
Clin Pharm 141	Health Ethics and Leadership in Pharmacy	2				
	Ethical tenets, rules of professional conduct and le	adership in	pharmacy practice	•		
Clin Pharm 150	Introductory Pharmacy Practice Experience in	1				
	Philippine Healthcare System					
	Introductory experience of pharmacy students in v	arious level	s of the Philippine h	ealthcare system		
First Year, Secon	nd Semester – 21 units		× ***	•		
•	Course	Unit/s	Prerequisite/s	Co-requisite/s		
NSTP 2	National Service Training Program 2	(3)				
	National Service Training Program (NSTP) is a program aimed at enhancing civic consciousness					
	and defense preparedness in the youth by developing the ethics of services and patriotism while					
	undergoing training in any of its three (3) program components. Its various components are					
	especially designed to enhance the youth's active contribution to the general welfare. NSTP 2 focuse.					
	on the specialization on Literacy Training Service		of the program.	1		
PE II	Physical Education II	(2)				
GE	Core GE Subject	3				
GE	Prescribed Elective GE Subject	3				
Bio 127	Medicinal Botany	3				
Pharm 107	Pharmaceutical Analytical and Inorganic	3	Pharm 106,			
	Chemistry		Chem 18			
	Concepts and principles in pharmaceutical inorganic chemistry and its applications in general					
	methods of analysis					
Pharm 107.1	Pharmaceutical Analytical and Inorganic	1		Pharm 107		
	Chemistry Laboratory					
	Qualitative and quantitative methods of the analys					
Pharm 110	Pharmaceutical Organic Chemistry 1	3	Chem 18	1		





	Structure, function, and reactivity of pharmaceutical	ally relevar	nt organic compound	S
Clin Pharm 142	Foundations of Pharmaceutical Care	2	Clin Pharm 141,	
			Clin Pharm 150	
	Foundational knowledge and skills in medication th	herapy man	nagement	
Clin Pharm 143	Foundations of Social and Administrative	2	Clin Pharm 141,	
	Pharmacy		Clin Pharm 150	
	Foundational knowledge, principles and skills in th	e practice	of social and adminis	strative pharmacy
Clin Pharm 151	Introductory Pharmacy Practice Experience in	1	Clin Pharm 141	
	Institutional Setting			
	Introductory experience of pharmacy students in in	stitutional	pharmacy practice	
Second Year, Fir	est Semester - 20 units			1
	Course	Unit/s	Prerequisite/s	Co-requisite/s
PE III	Physical Education III	(2)		
GE	Core GE Subject	3		
Pharm 113	Pharmaceutical Biochemistry	3	Pharm 110	1
	Metabolism of biological molecules in the normal a		d states of the humar	ı body, with
	emphasis on biochemical pathways as potential dri	ig targets	_	
Pharm 116	Pharmaceutical Management	2		
	Fundamental, human resource, and strategic mana		cluding leadership pr	rinciples and
	concepts, applicable to the pharmaceutical industry			1
Pharm 120	Human Anatomy and Physiology for Pharmacy 1	2		Pharm 113
	Structures and functions of the human integumental	ry, skeletal	, muscular, lymphatio	c and immune, and
	nervous systems			1
Pharm 125	Pharmacology for Pharmacy 1	2		Pharm 120
	General concepts in pharmacology and study of an	timicrobial	ls and drugs affecting	the autonomic
	and central nervous systems.			1
Pharm 195	Pharmaceutical Statistics	3		
	Applications of statistical methods in pharmacy	_		
Clin Pharm 160	Pharmacy Operations	3	Clin Pharm 150, Clin Pharm 151	Pharm 116
	Structural, functional, business and inter-relational	l aspects of	pharmacy operation	!S
Clin Pharm 161	Pharmacy Wellness and Health Promotion	2	Clin Pharm 142	Pharm 120, Pharm 125
	Concepts on wellness, health promotion, disease pr	evention a	nd self-care as annlie	
Second Veer See	cond Semester – 20 units	evenuon a	na seij-care as applie	a in plaitiacy
Second Tear, Sec	Course	Unit/s	Prerequisite/s	Co-requisite/s
PE IV	Physical Education IV	(2)	Trerequisite/s	Co-requisite/s
Pharm 104	Pharmacognosy	3	Bio 127	
Thurst 101	Composition and pharmaceutical uses of the most of			
Pharm 121	Human Anatomy and Physiology for Pharmacy 2	2.	Pharm 120	,
Thuilli 121	Structures and functions of the human respiratory,		·	diaestive
	endocrine, genitourinary and reproductive systems		ciic, caraio rasciliar,	aigesiive,
Pharm 126	Pharmacology for Pharmacy 2	2	Pharm 125	Pharm 121
1 1141111 120	Pharmacology of autacoids, pain medicines and dr.	ugs affectin		
	hematopoietic, digestive, cardiovascular, and endo			
Pharm 130	Pharmaceutics 1	5	Pharm 107.1	dictive systems.
11101111 130	Pharmaceutical dosage forms with focus on the scientific background and technical aspects of			
	pharmaceutical dosage form design	cangic buch	S. Suna ana icennica	и изресть Ој
Pharm 136	Legal Pharmacy	2	2 nd Yr standing	
1 1101111 130	Laws, issuances and regulations relevant to the pra		<u> </u>	y profession
Pharm 133	Dispensing and Incompatibilities	3	Pharm 125	Pharm 130,
1 1141111 133				Pharm 126
	Principles and general procedures of dispensing ph	narmaceuti	cals	



Clin Pharm 162	Medication Safety	2	Clin Pharm 160	Pharm 133, Clin Pharm 152	
	Promotion of medication safety in health care]		Cilii i ilailii 132	
Clin Pharm 152	Introductory Pharmacy Practice Experience in	1	Clin Pharm 160	Pharm 133,	
Cilii i ilailii 132	Community Retail Setting	1	Cilii i ilailii 100	Clin Pharm 162	
	Introductory experience of pharmacy students in co	 ommunity r	etail settina	Cilii i ilaiiii 102	
Third Vear Firs	t Semester - 21 units	энинини у т	eidii seiiiig		
Tilliu Tear, Firs	Course	Unit/s	Prerequisite/s	Co-requisite/s	
GE	Elective GE Subject	3	Trerequisite/s	Co requisite/s	
GE	Core GE Subjects	3			
Pharm 127	Pharmaceutical Toxicology	2	Pharm 125		
1 Huilli 127	Study of the mechanisms of toxicity, clinical signs of			manaoement risk	
	assessment and management, and design of recove				
Pharm 131	Pharmaceutics 2	2	Pharm 130	i roswedniis	
Thaim 131	Production and quality control testing of pharmace	putical prod		inciples of Good	
	Manufacturing Practices	uncai proc	incis basea on inc pr	incipies of Good	
Clin Pharm 169	Pharmaceutical Analysis and Quality Control	3	Pharm 130	Pharm 131	
Cim i naim 10)	Modern methods of analysis and quality control in			_	
	products used in clinical practice	chsuling se	ajety ana ejjiedcy oj	<i>таниссинса</i>	
Clin Pharm 170	Clinical Pharmacokinetics and Therapeutic Drug	3	Pharm 126,		
Cim i naim 170	Monitoring		Pharm 130		
	Application of pharmacokinetics and therapeutic d	ruo monito		ral care	
Clin Pharm 171	Quality Management for Clinical Pharm Practice	2	Pharm 136		
Cim i naim 171	Management of the regulatory process of drugs an			discovery to	
	marketing approval and commercialization	u viviogics	jrom innovation and	discovery to	
Clin Pharm 172	Evidence-based Medicine and Drug Information	3	Pharm 195,		
CIII 1 IIII 1 7 2	Evidence oused recurrence and Brug information		Pharm 126		
	Principles of health and drug information retrieval and evaluation for evidence-based decision-				
	making and health education		J		
Third Year, Seco	ond Semester – 18 units				
	Course	Unit/s	Prerequisite/s	Co-requisite/s	
PI 100	Philippine Institutions	3			
Pharm 114	Pharmaceutical Microbiology and Parasitology	3	Pharm 113		
	Integration of bacteriology, virology, mycology, parasitology, and immunology as applied in the				
	management of infectious diseases, pharmaceutica	l quality co	ntrol and biotechnol	ogy	
Pharm 117	Pharmaceutical Accounting	2	Pharm 116		
	Financial management accounting as applied to th	e different	areas of practice of p	pharmacy	
Pharm 128	Medicinal Chemistry	3	Pharm 126		
	Pharmacy and chemistry of natural, semisynthetic,	and synthe	etic organic medicina	ls with application	
	to drug design and development				
Clin Pharm 114	Pharmaceutical Microbiology and Parasitology	2	Pharm 125,	Pharm 114	
	Laboratory		Pharm 126		
	Skills in cultivation, characterization, identification	n and contr	ol of microorganism.	s and parasites as	
	1 1				
	applied in pharmacy				
Clin Pharm 166	Clinical Nutrition in Pharmacy	2	Pharm 121		
	Clinical Nutrition in Pharmacy Integration of pharmacy practice with nutrition iss	ues			
Clin Pharm 166 Clin Pharm 167	Clinical Nutrition in Pharmacy		Pharm 104, Clin		
	Clinical Nutrition in Pharmacy Integration of pharmacy practice with nutrition iss Integrative Medicine	ues 2	Pharm 104, Clin Pharm 161		
Clin Pharm 167	Clinical Nutrition in Pharmacy Integration of pharmacy practice with nutrition iss Integrative Medicine Introduction to alternative health modalities and h	ues 2	Pharm 104, Clin Pharm 161 Inplement allopathic	medicine	
	Clinical Nutrition in Pharmacy Integration of pharmacy practice with nutrition iss Integrative Medicine Introduction to alternative health modalities and h Introductory Pharmacy Practice Experience in the	ues 2	Pharm 104, Clin Pharm 161 nplement allopathic Pharm 131, Clin	medicine	
Clin Pharm 167	Clinical Nutrition in Pharmacy Integration of pharmacy practice with nutrition iss Integrative Medicine Introduction to alternative health modalities and h Introductory Pharmacy Practice Experience in the Pharmaceutical Industry	wes 2 ow they con	Pharm 104, Clin Pharm 161 nplement allopathic Pharm 131, Clin Pharm 171	medicine	
Clin Pharm 167	Clinical Nutrition in Pharmacy Integration of pharmacy practice with nutrition iss Integrative Medicine Introduction to alternative health modalities and h Introductory Pharmacy Practice Experience in the	wes 2 ow they con	Pharm 104, Clin Pharm 161 nplement allopathic Pharm 131, Clin Pharm 171	medicine	
Clin Pharm 167	Clinical Nutrition in Pharmacy Integration of pharmacy practice with nutrition iss Integrative Medicine Introduction to alternative health modalities and h Introductory Pharmacy Practice Experience in the Pharmaceutical Industry	wes 2 ow they con	Pharm 104, Clin Pharm 161 nplement allopathic Pharm 131, Clin Pharm 171	medicine	





Fourth Year, Fin	rst Semester - 21 units			
,	Course	Unit/s	Prerequisite/s	Co-requisite/s
Pharm 118	Pharmaceutical Marketing	2	Pharm 117	
	Theory and practice of marketing in the pharmacei	ıtical indus	try and pharmacy-re	lated services
Pharm 138	Health Technology Assessment and	3	4 th Yr standing	
	Pharmaceutical Policy			
	Principles and methods of health technology assess	ment and l	nealth policy as appl	ied to pharmacy
Pharm 199	Research Methods in Pharmacy	2	Pharm 195	
	Fundamentals and design of pharmaceutical resear	rch		l
Clin Pharm 173	Pharmacoepidemiology in Therapeutic Risk	3	Clin Pharm 171,	Pharm 138,
	Management		Clin Pharm 172	Pharm 199
	Application of epidemiologic principles and method medications in the population	ds in exami		
Clin Pharm 174	Clinical Assessment for Pharmacy Practice	3	Pharm 121	Clin Pharm 181,
CIIII I IIaIIII 1/4	Chinical Assessment for I harmacy I factice	3	1 1141111 121	Clin Pharm 182
	Integration of principles of patient assessment with	madicatio	n tharany managama	
	clinical situations	тешсины	п інегару тападете	т т ѕресіјіс
Clin Pharm 180	Immunopharmacotherapy	2	Pharm 126	Clin Pharm 174
CIIII FIIAIIII 160	Integrated approach to pharmacotherapeutic mana			
Clin Dhama 101				
Clin Pharm 181	Pharmacotherapy of Infectious Diseases	3	Pharm 114, Clin Pharm 114,	Clin Pharm 174
	Integrated approach to pharmacotherapeutic mana	igement of		
Clin Pharm 182	Pharmacotherapy of Pulmonary and	3	Pharm 126	Clin Pharm 174
	Gastrointestinal Diseases			
	Integrated approach to pharmacotherapeutic management of pulmonary and gastrointestinal			
	diseases			
Fourth Year, Sec	cond Semester – 20 units			
	Course	Unit/s	Prerequisite/s	Co-requisite/s
Pharm 129	Pharmaceutical Biotechnology	2	Pharm 126	
	Production and applications of biotechnology-deriv	ved articles	3	
Clin Pharm 176	Medication Counseling	3	Clin Pharm 172	
			4 th Yr standing	
	Skills in providing medication counseling to patien			ettings
Clin Pharm 183	Pharmacotherapy of Cardiovascular Diseases	3	Clin Pharm 174	
	Integrated approach to pharmacotherapeutic mana	igement of		ises
Clin Pharm 184	Pharmacotherapy of Nephrologic and Endocrine	3	Clin Pharm 174	
	Diseases			
	Integrated approach to pharmacotherapeutic mana	igement of	nephrologic and end	locrine diseases
Clin Pharm 185	Pharmacotherapy of Neurological and Psychological Disorders	3	Clin Pharm 174	
	Integrated approach to pharmacotherapeutic management of neurological and psychological disorders			
Clin Pharm 186	Oncology Pharmacotherapy	3	Clin Pharm 174	
	Integrated approach to pharmacotherapeutic mana	_		ology
Clin Pharm 187	Pharmacotherapy in Emergency and Critical Care	3	Clin Pharm 174	0.7
Cim i naim 107	Integrated approach to pharmacotherapeutic mana	_		ntered in
	emergency and critical care	Schon of	and cade dianed encour	wared in
Fifth Vear First	Semester - 19 units			
rium rear, riist	Course	Unit/s	Prerequisite/s	Co-requisite/s
Pharm 197	Pharmacy Seminar	1	Pharm 199	Co-requisite/s
1 Halli 19/	Tharmacy Schillar	1	1 1101111 199	
	Reports on the current developments in the selected	l field of ph	armacy practice.	1
Clin Pharm 191	Advanced Practice Experience in Industrial	7.5	5 th Yr standing	
Clin Pharm 191	Advanced Practice Experience in Industrial Pharmacy	7.5	5 th Yr standing	





	Internship in industrial pharmacy			
Clin Pharm 192	Advanced Practice Experience in Community	7.5	5 th Yr standing	
	Pharmacy			
	Internship in community pharmacy			
Clin Pharm 193	Advanced Practice Experience in Institutional	3	5 th Yr standing	
	Pharmacy			
	Internship in institutional pharmacy			
Fifth Year, Secon	nd Semester – 18 units			
	Course	Unit/s	Prerequisite/s	Co-requisite/s
Clin Pharm 194	Advanced Practice Experience in Hospital	7.5	5 th Yr standing	
	Pharmacy			
	Internship in hospital pharmacy			
Clin Pharm 195	Advanced Practice Experience in Public Health	4.5	5 th Yr standing	
	and Regulatory Pharmacy			
	Internship in public health and regulatory pharmacy			
Clin Pharm 196	Advanced Practice Experience in Primary Health	3	5 th Yr standing	
	Care Pharmacy			
	Internship in primary health care pharmacy			
Clin Pharm 200	Pharmacy Thesis	3	Pharm 199	
	Conduct of an original research in pharmacy			
		199 units		

LIST OF GENERAL EDUCATION SUBJECTS (24 units)

CORE GE SUBJECT				
Wika1	Wika, Kultura, at Lipunan			
Kas1	Kasaysayan ng Pilipinas			
Ethics1	Ethics and Moral Reasoning in Everyday Life			
STS1	Science, Technology, and Society			
Math 10	Math, Culture, and Society			
Comm 10	Critical Perspectives in the Communications			
PRESCRIBED GE ELECTIVE				
SS1	Self and Society			
ELECTIVE GE SUB	JECTS*			
Science 10	Probing the Physical World			
Science 11	Living Systems			
Arts 1	Critical Perspective in Arts			
Philarts 1	Philippine Arts and Culture			
Nat Sci 50	Molecules to Man			
	Genre-Based Writing			

^{*}Elective GE subjects will not be limited to the list above. New offering of CAS may be added to the list above