



SCHEME OF STUDIES
BS OPTOMETRY
Batch 2019-2024 & 2020-2025
(5 YEARS)

Semester I

Course Code	Course Title	Credit Hours
AN-111	Human Anatomy & Histology (Cell biology)	4(3-1)
PY-112	General Physiology	4(3-1)
BIO-101	Biochemistry- I	3(2-1)
ENG-111	Functional English-I	3(3-0)
IS-112	Islamic Studies/Ethics	2(2-0)
VS-114	Vision Sciences –I	2(2-0)
	Total	18

Semester II

Course Code	Course Title	Credit Hours
PAT-121	General Pathology	3(3-0)
BIO-102	Biochemistry –II	3(2-1)
AN-123	Ocular Anatomy	3(3-0)
PY-124	Ocular Physiology	3(3-0)
PS-122	Pakistan Studies	1(1-0)
ENG-121	Functional English-II	3(3-0)
OP-214	Optics –I(Physical optics + Geometrical optics)	2(2-0)
	Total	18

Semester III

Course Code	Course Title	Credit Hours
OP-224	Optic-II	3(2-1)
OP-215	Ocular Disease Basics-I	2(2-0)
ENG-224	English-III (Technical Writing & Presentation Skills)	3(3-0)
VS-213	Vision Sciences-II	2(2-0)
IT-226	Introduction to Computers.	3(2-1)
OP-217	Optometric Instrument	3(2-1)
PHA-219	General Pharmacology	2(2-0)
	Total	18

Semester IV

Course Code	Course Title	Credit Hours
CR-225	Clinical Refraction	3(0-3)
OP-228	Ocular Disease – II	3(3-0)
MED-212	Clinical Medicine	3(2-1)

CPR-226	Clinical Practice of Refraction	2(0-2)
OP-226	Mathematics for Optometry	2(2-0)
VS-312	Ophthalmic Dispensing –I	3(3-0)
BS-227	Behavioral Sciences	2(2-0)
	Total	18

Semester V

Course Code	Course Title	Credit Hours
OPT-115	Primary Eye Care	2(2-0)
VS-321	Ophthalmic Dispensing –II	2(2-0)
OP-324	BSV and Orthoptic techniques (amblyopia)	3(3-0)
DI-315	Diagnostic Instruments-I	2(2-0)
ME-317	Medical Ethics	1(1-0)
CPD-314	Clinical Practice (Dispensing)	2(0-2)
SR-311	Fundamental Of Surgery	3(3-0)
CPRD-319	Clinical Practice (Refraction + Diagnosis of Diseases)	3(0-3)
	Total	18

Semester VI

Course Code	Course Title	Credit Hours
DI-329	Diagnostic Instruments-II	3(3-0)
CL-321	Introduction of Contact lens	2(2-0)
LV-322	Introduction of Low vision	2(2-0)
SO-323	Strabismus/ Orthoptics	3(2-1)
OE-326	Ocular Emergency Handling	2(1-1)
RD-328	Introduction to Retinal Disease	2(2-0)
ST-327	Applied Statistics for Optometrists	2(2-0)
CP-324	Clinical Practice (Diagnostic Instruments for Retinal Diseases)	2(0-2)
	Total	18

Semester VII

Course Code	Course Title	Credit Hours
VS-412	Introduction to Neuro-Ophthalmology	2(2-0)
VS-413	Contact Lens -II	3(3-0)
CP-411	Clinical Practice (advance refraction & low vision)	2(0-2)
CM-211	Community Medicine	2(2-0)
CP-414	Clinical Practice Contact lens	2(0-2)
VS-411	Low Vision Rehabilitation and Geriatrics	3(3-0)
RMS-514	Research Methodology and Applied Statistics	2(1-1)
OP-325	Pediatric Optometry	2(2-0)
	Total	18

Semester VIII

Course Code	Course Title	Credit Hours
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OP-427	Ocular Pharmacology	2(2-0)
BL-421	Basic Life Support	2(1-1)
OP-511	Clinical Rotations-I (Refraction,Screening and Pediatric Care)	6(0-6)
CL-423	Contact lens cases Handling	2(1-1)
OC-424	Orthoptics cases	2(2-0)
LV-426	Low vision cases	2(1-1)
	Total	16

Semester IX

Course Code	Course Title	Credit Hours
RA-425	Recent Advances in Optometry	2(2-0)
OP-517	Observership Report	6(0-6)
OP-515	Clinical Rotations II (Diagnostic & cornea)	4(0-4)
OP-516	Clinical Rotations III (Contact Lens, dispensing, low vision)	6(0-6)
	Total	18

Semester X

Course Code	Course Title	Credit Hours
OP-524	Clinical Rotation IV (General ophthalmology)	4(0-4)
OP-523	Clinical Rotation V (Orthoptics and Surgical Plan)	2(2-0)
OP-525	Minor OT procedures	2(1-1)
OP-526	Ophthalmic Screening Observation	3(3-0)
OS-422	Research Project/Thesis	6(0-6)
	Total	17
		175