



Brainware University
School of Medical and Allied Health Sciences
Department of Allied Health Sciences
Bachelor of Optometry (BOPTO)-2025
(As per CBCS Template)

Semester-I

Course Code	Course Name	Course Type	L-T-P	Credits	Total Marks
EVS101	Environmental Science	AECC1	2-0-0	2	100
BOPTOC101	General Human Anatomy	CC1	3-0-0	3	100
BOPTOC102	General Human Physiology	CC2	3-0-0	3	100
BOPTOC103	General Biochemistry	CC3	2-0-0	2	100
BOPTOC104	Nutrition	CC4	2-0-0	2	100
BOPTOC191	General Human Anatomy & Physiology – Practical	CC1 & CC2	0-0-4	2	100
GE	Generic Elective-1 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	GE1	4-0-0/ 5-0-0	4/5	200/100
GE	Generic Elective -1 (Lab/Tutorial)	GE1	0-0-4/ 0-1-0	2/1	
TOTAL			24/22	20	800/700

Semester-II

Course Code	Course Name	Course Type	L-T-P	Credits	Total Marks
HU201	English Communication	AECC2	1-0-0	1	50
HU291	English Communication – Lab	AECC2	0-0-2	1	50
BOPTOC201	Ocular Anatomy	CC5	3-0-0	3	100
BOPTOC202	Ocular Physiology	CC6	3-0-0	3	100
BOPTOC203	Ocular Biochemistry	CC7	3-0-0	3	100
BOPTOC204	Physical Optics	CC8	3-0-0	3	100
BOPTOC205	Geometrical Optics	CC9	3-0-0	3	100
BOPTOC291	Physical Optics & Geometrical Optics – Practical	CC8 & CC9	0-0-4	2	100
GE	Generic Elective-1 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	GE2	4-0-0/ 5-0-0	4/5	200/100
GE	Generic Elective -1 (Lab /Tutorial)	GE2	0-0-4/ 0-1-0	2/1	
TOTAL			30/28	25	900/800



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Semester-III

Course Code	Course Name	Course Type	L-T-P	Credits	Total Marks
BOPTOC301	Visual Optics-I	CC10	3-0-0	3	100
BOPTOC302	Optometric Instrumentation	CC11	3-0-0	3	100
BOPTOC392	Optometric Instrumentation-Practical	CC11	0-0-4	2	100
BOPTOC303	Ophthalmic Lens & Dispensing Optics-I	CC12	3-0-0	3	100
BOPTOC304	Ocular Diseases-I	CC13	4-0-0	4	100
BOPTOS396	Clinical Optometry-I –Practical	SEC1	0-0-4	2	100
BOPTOE305	A.Ocular Microbiology and Pathology	DSE1	3-0-0	3	100
	B.Clinical Microbiology and Basic Immunology				
GE	Generic Elective-1 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	GE3	4-0-0/ 5-0-0	4/5	200/100
GE	Generic Elective -1 (Lab /Tutorial)	GE3	0-0-4/ 0-1-0	2/1	
TOTAL			32/30	26	900/800

Semester-IV

Course Code	Course Name	Course Type	L-T-P	Credits	Total Marks
BOPTOC401	Ophthalmic Lens & Dispensing Optics-II	CC14	3-0-0	3	100
BOPTOC491	Ophthalmic Lens & Dispensing Optics-II-Practical	CC14	0-0-2	1	100
BOPTOC402	Visual optics-II	CC15	3-0-0	3	100
BOPTOC403	Ocular Diseases-II	CC16	4-0-0	4	100
BOPTOC404	Basic & Ocular pharmacology	CC17	3-0-0	3	100
BOPTOS496	Clinical Optometry –II –Practical	SEC2	0-0-4	2	100
BOPTOC405	Clinical Examination of Visual System	CC18	2-0-0	2	100
BOPTOE406	A.Medical Psychology	DSE2	3-0-0	3	100
	B.Indian Medicine and Tele Medicine				
GE	Generic Elective-1 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	GE4	4-0-0/ 5-0-0	4/5	200/100
GE	Generic Elective -1 (Lab /Tutorial)	GE4	0-0-4/ 0-1-0	2/1	
TOTAL			32/30	27	1000/900



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Semester-V

Course Code	Course Name	Course Type	L-T-P	Credits	Total Marks
BOPTOC501	Contact Lens-I	CC19	3-0-0	3	100
BOPTOC591	Contact Lens-I-Practical	CC19	0-0-2	1	100
BOPTOC502	Binocular Vision-I	CC20	3-0-0	3	100
BOPTOC592	Binocular Vision-I- Practical	CC20	0-0-2	1	100
BOPTOC503	Low Vision Aids & Visual Rehabilitation	CC21	3-0-0	3	100
BOPTOC593	Low Vision Aids & Visual Rehabilitation -Practical	CC21	0-0-2	1	100
BOPTOC504	Geriatric Optometry	CC22	3-0-0	3	100
BOPTOC505	Systemic Conditions & Eye	CC23	3-0-0	3	100
BOPTOS506	Research Methodology and Bio-statistics	SEC3	4-0-0	4	100
BOPTOO581	Clinical Observship	-	-	3	100
TOTAL			25	25	1000

Semester-VI

Course Code	Course Name	Course Type	L-T-P	Credits	Total Marks
BOPTOC601	Contact Lens –II	CC24	3-0-0	3	100
BOPTOC691	Contact Lens –II –Practical	CC24	0-0-2	1	100
BOPTOC602	Binocular Vision-II	CC25	4-0-0	4	100
BOPTOC692	Binocular Vision-II-Practical	CC25	0-0-2	1	100
BOPTOC603	Public Health & Community Optometry	CC26	3-0-0	3	100
BOPTOC604	Occupational Optometry	CC27	2-0-0	2	100
BOPTOC605	Paediatric Optometry	CC28	3-0-0	3	100
BOPTOC606	Medical Law and Ethics	CC29	2-0-0	2	100
BOPTOS696	Clinical Optometry-III-Practical	SEC4	0-0-4	2	100
BOPTOE607	A.Hospital Practice Management	DSE3	3-0-0	3	100
	B.Introduction to Quality & Patient Safety				
BOPTOE608	A.Myopia Control	DSE4	3-0-0	3	100
	B.Ophthalmic Imaging				
TOTAL			31	27	1100



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Semester-VII

Course Code	Course Name	Course Type	L-T-P	Credits	Total Marks	Duration
BOPTOS781	Internship	SEC5	-	15	100	6 months
BOPTOS782	Project Work-I	SEC6	-	5	100	

Semester-VIII

Course Code	Course Name	Course Type	L-T-P	Credits	Total Marks	Duration
BOPTOS881	Internship	SEC7	-	15	100	6 months
BOPTOS882	Project Work-II	SEC8	-	5	100	

Total Credits- Bachelor of Optometry (4 years) = 190

Total marks- 6100/5700