



Brainware University
School of Medical and Allied Health Sciences
Department of Allied Health Sciences
Bachelor of Optometry (B.Optomety)
(As per CBCS Template)

Semester-I

Course Code	Course Name	L - T - P	Credits	Total Marks
HU101	English Communication	3-0-0	3	100
HU191	English Communication - Practical	0-0-2	1	100
BOPTO101	Human Anatomy	4-0-0	4	100
BOPTO191	Human Anatomy - Practical	0-0-4	2	100
BOPTO102	Human Physiology	4-0-0	4	100
BOPTO192	Human Physiology – Practical	0-0-4	2	100
GE**	Generic Elective-1 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/5-0-0	4/5	100/200
GE**	Generic Elective -1 (Practical/Tutorial)	0-0-4/0-1-0	2/1	
TOTAL			22	700/800

Semester-II

Course Code	Course Name	L - T - P	Credits	Total Marks
EVS201	Environmental Science	3-1-0	4	100
BOPTO201	Ocular Anatomy	4-0-0	4	100
BOPTO202	Ocular Physiology	4-0-0	4	100
BOPTO203	General and Ocular Biochemistry	4-0-0	4	100
BOPTO204	Physical Optics	3-1-0	4	100
BOPTO294	Physical Optics - Practical	0-0-4	2	100
BOPTO205	Geometrical Optics	3-1-0	4	100
BOPTO295	Geometrical Optics Practical	0-0-4	2	100
*BOPTO281	Clinical Observation	0-0-0	-	-
GE**	Generic Elective-2 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/5-0-0	4/5	100/200
GE**	Generic Elective -2 (Practical/Tutorial)	0-0-4/0-1-0	2/1	
TOTAL			34	900/1000

* Hospital Visit once in a week for 4 hours



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Semester-III

Course Code	Course Name	L - T - P	Credits	Total Marks
BOPTO301	Ocular Microbiology and Pathology	3-1-0	4	100
BOPTO302	Visual Optics –I	3-1-0	4	100
BOPTO303	Optometric Optics-I	3-1-0	4	100
BOPTO304	Optometric Instrumentation	4-0-0	4	100
BOPTO305	Ocular Disease –I	3-1-0	4	100
BOPTO306	Clinical Examination of Visual System	3-1-0	4	100
BOPTO396	Clinical Examination of Visual System - Practical	0-0-4	2	100
BOPTO397	Clinical Optometry-I	0-0-6	3	100
GE**	Generic Elective-3 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/5-0-0	4/5	100/200
GE**	Generic Elective -3 (Practical/Tutorial)	0-0-4/0-1-0	2/1	
TOTAL			35	900/1000

Semester-IV

Course Code	Course Name	L - T - P	Credits	Total Marks
BOPTO401	Optometric optics – II	4-0-0	4	100
BOPTO491	Optometric optics – II - Practical	0-0-4	2	100
BOPTO402	Visual Optics- II	4-0-0	4	100
BOPTO403	Ocular Disease –II	4-0-0	4	100
BOPTO404	Geriatric Optometry & Pediatric Optometry	4-0-0	4	100
BOPTO405	Basic and Ocular Pharmacology	3-0-0	3	100
BOPTO496	Clinical Optometry-II	0-0-6	3	100
GE**	Generic Elective-4 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/5-0-0	4/5	200/100
GE**	Generic Elective -4 (Practical/Tutorial)	0-0-4/0-1-0	2/1	
TOTAL			30	900/800



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Semester-V

Course Code	Course Name	L - T - P	Credits	Total Marks
BOPTO501	Contact lens –I	4-0-0	4	100
BOPTO591	Contact lens –I - Practical	0-0-4	2	100
BOPTO502	Low Vision & Rehabilitation	4-0-0	4	100
BOPTO592	Low Vision & Rehabilitation - Practical	0-0-4	2	100
BOPTO503	Binocular Vision & Orthoptics - I	4-0-0	4	100
BOPTO593	Binocular Vision & Orthoptics - I -Practical	0-0-4	2	100
BOPTO504	Systemic Disease	4-0-0	4	100
BOPTO595	Clinical Optometry - III	0-0-6	3	100
BOPTO506	Research Methodology and Bio-statistics	3-1-0	4	100
TOTAL			29	900

Semester-VI

Course Code	Course Name	L - T - P	Credits	Total Marks
BOPTO601	Contact Lens –II	4-0-0	4	100
BOPTO691	Contact Lens –II - Practical	0-0-4	2	100
BOPTO602	Binocular Vision & Orthoptics -II	4-0-0	4	100
BOPTO692	Binocular Vision & Orthoptics –II - Practical	0-0-4	2	100
BOPTO603	Public Health & Community Optometry	4-0-0	4	100
BOPTO604	Quality, Patient Safety and Practice Management	4-0-0	4	100
BOPTO605	Occupational Optometry	4-0-0	4	100
BOPTO696	Clinical Optometry -IV	0-0-6	3	100
BOPTO607	Medical Law and Ethics	3-0-0	3	100
TOTAL			30	900



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Semester-VII

Course Code	Course Name	Duration	Credits
BOPTO781	Project (Dissertation)	6 months (20 weeks)	12

Semester-VIII

Course Code	Course Name	Duration	Credits
BOPTO881	Internship	6 months (20 weeks)	14

Assessment:

Semester VII:

Project	100
VIVA	50
Dissertation	50

Semester VIII:

Clinical Log book	50
Professional Clinical Exam	100
VIVA	50

Internship is for 12 months (July – December; January – June) or 1 year. Total number of days (after deducting for national holidays & Sundays + Examination): 250 days (6 days / week; 6 hours / day) = 1500 hours or minimum of 18 weeks / semester (216 days).

Total Credit = 206