



**Brainware University**  
**School of Medical and Allied Health Sciences**  
**Department of Allied Health Sciences**  
**Bachelor of Optometry (B.Optomety) -2021**  
**(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	
<b>TOTAL</b>			<b>22</b>	<b>700/800</b>

**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	
<b>TOTAL</b>			<b>34</b>	<b>900/1000</b>

\* Hospital Visit once in a week for 4 hours



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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	
<b>TOTAL</b>			<b>32/30</b>	<b>26</b>	<b>900/800</b>

**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	
<b>TOTAL</b>			<b>32/30</b>	<b>27</b>	<b>1000/900</b>



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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
<b>TOTAL</b>			<b>25</b>	<b>25</b>	<b>1000</b>

**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				
<b>TOTAL</b>			<b>31</b>	<b>27</b>	<b>1100</b>



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**Semester-VII**

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

**Semester-VIII**

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