HINDUSTAN
INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)

SCHOOL OF ALLIED HEALTH SCIENCES - OPTOMETRY DEPARTMENT

B. OPTOM. - CURRICULUM (NEP 2023-24)

Revision - 2.0
13.12.2023
WEF: 2023 - 24 AY

SEMESTER - I										
SL. NO	**Course category**	**Course Type**	**Course Code**	**Name Of the Course**	**L**	**T**	**P**	**C**	**S**	**TCH**
1	BMS	TP	HOP11001	General Anatomy	2	0	2	3	0	4
2	BMS	TP	HOP11002	General Physiology	2	0	2	3	0	4
3	BMS	TH	HOP11003	General Biochemistry	2	0	0	2	0	2
4	PC	TP	HOP11004	Physical Optics	2	1	2	4	0	5
5	BS	TH	HOP11005	Nutrition	2	0	0	2	0	2
6	HS	TP	GLS51001	Communication skills	2	0	1	2	1	3
7	HS	TH	GGE51003	Environmental Science and Sustainable Development	2	0	0	2	2	2
8	VA	PR	GPE21401	Yoga	0	0	2	1	2	2
				Total	**14**	**1**	**9**	**19**	**5**	**24**

SEMESTER - II										
1	PC	TP	HOP11006	Ocular Anatomy	3	0	2	4	0	5
2	PC	TP	HOP11007	Ocular Physiology	3	0	2	4	0	5
3	PC	TH	HOP11008	Ocular Biochemistry	2	1	0	3	0	3
4	PC	TH	HOP11009	Pathology	3	0	0	3	0	3
5	PC	TP	HOP11010	Geometric Optics	2	1	2	4	0	5
6	HS	TH	GLS51008	Tamil	2	0	0	2	2	2
			GLS51009	Hindi						
			GLS51010	Telugu						
			GLS11002	Advanced Tamil						
7	HS	TP	GLS51002	Personality Development and Soft Skills	2	0	1	2	1	3
				Total	**17**	**2**	**7**	**22**	**3**	**26**

SEMESTER - III										
1	PC	TH	HOP11011	Ocular Microbiology	3	0	0	3	0	3
2	PC	TP	HOP11012	Visual optics - I	2	0	2	3	0	4
3	PC	TH	HOP11013	Optometric Optics	3	0	0	3	0	3
4	PC	TH	HOP11014	Optometric instrumentation	2	1	0	3	0	3
5	PC	TH	HOP11015	Ocular Diseases - I	3	0	0	3	0	3
6	PC	PR	HOP11400	Clinical examination of Visual system	0	1	4	3	0	5
7	BS	TH	HOP11016	Introduction to Quality and Patient Safety	2	0	0	2	0	2
				Foreign Language*						
8	HS	TH	GLS51011	French	2	0	0	2	2	2
			GLS51012	German						
			GLS51013	Spanish						
			GLS51014	Korean						
			GLS51015	Mandarin						
			GLS51016	Japanese						
9	HS	TP	GLS51005	Public Speaking	1	0	1	1	1	2
				Total	**18**	**2**	**7**	**23**	**3**	**27**

*Same Foreign language should be selected in Semesters III and IV

SEMESTER- IV										
1	PC	TP	HOP11017	Dispensing Optics	2	0	4	4	0	6
2	PC	TP	HOP11018	Visual Optics - II	2	0	2	3	0	4
3	PC	TH	HOP11019	Ocular Diseases - II	3	0	0	3	0	3
4	PC	TH	HOP11020	Basic and Ocular Pharmacology	2	1	0	3	0	3
5	BS	TH	HOP11021	Indian Medicine and Telemedicine	2	0	0	2	0	2
6	BS	TH	HOP11022	Medical Psychology	2	0	0	2	0	2
7	PC	PR	HOP11401	Clinical optometry - I	0	1	6	4	0	7
8	HS	TP	GLS51006	English for Competitive Examinations	1	0	1	1	1	2
			Foreign Language *							
9	HS	TH	GLS11003	French Intermediate	2	0	0	2	2	2
			GLS11004	German Intermediate						
			GLS11005	Spanish Intermediate						
			GLS11006	Korean Intermediate						
			GLS11007	Mandarin Intermediate						
			GLS11008	Japanese Intermediate						
				Total	**16**	**2**	**13**	**24**	**3**	**31**

*Same Foreign language should be selected in Semesters III and IV

SEMESTER - V										
1	PC	TP	HOP11023	Contact lens - I	2	0	2	3	0	4
2	PC	TH	HOP11024	Binocular Vision - I	2	1	0	3	0	3
3	PC	TP	HOP11025	Low Vision care	2	0	2	3	0	4
4	PC	TH	HOP11026	Geriatric Optometry	2	1	0	3	0	3
5	PC	TH	HOP11027	Pediatric Optometry	2	1	0	3	0	3
6	BMS	PR	GBP01401	VR Rehabilitation and Computer Science	0	0	2	1	0	2
7	BS	TP	AGE21001	Fundamentals of Research Methodology	3	0	2	4	2	5
8	PC	PR	HOP11402	Clinical Optometry - II	0	0	6	3	0	6
				Total	**13**	**3**	**14**	**23**	**2**	**30**

SEMESTER - VI										
1	PC	TP	HOP11028	Contact Lens - II	2	0	2	3	0	4
2	PC	TP	HOP11029	Binocular Vision - II	2	0	2	3	0	4
3	PC	TH	HOP11030	Public Health and Community Optometry	2	0	0	2	0	2
4	PC	TH	HOP11031	Occupational Optometry	2	0	0	2	0	2
5	BMS	TH	HOP11032	Systemic Diseases	2	1	0	3	0	3
6	HS	TH	HOP11033	Basics of Practice Management	2	1	0	3	0	3
7	DE	TH	GOP01*** GOP01***	Departmental Elective	2	0	0	2	0	2
8	PC	PR	HOP11403	Clinical Optometry - III	0	0	6	3	0	6
9	PC	PR	HOP11404	Scientific Research	0	0	4	2	0	4
10	HS	TH	GGE51001	Universal Human Values	2	0	0	2	2	2
				Total	**16**	**2**	**14**	**25**	**2**	**32**

CREDITS - 136

SEMESTER - VII											
1	PC	IN	HOP11800	Internship - I: Contact lens, Binocular Vision, Low Vision, Dispensing (Basic level)	#	#	#	12	#	#

Internship - I starts from the beginning of the Semester VII and the evaluation will be conducted by the end of the Semester VII

SEMESTER - VIII											
1	PC	IN	HOP11801	Internship - II: Contact lens, Binocular Vision, Low Vision, Dispensing (Advanced level)	#	#	#	12	#	#

Internship - II starts from the beginning of the Semester VIII and the evaluation will be conducted by the end of the Semester VIII

S. No.	Course Category	Course Type	Course Code	Name of the Course	L	T	P	C	S	TCH
1	DE	TH	GOP01500	Treatment Ethics	2	0	0	2	0	2
2	DE	TH	GOP01501	Medical Law and Ethics	2	0	0	2	0	2

Total Credits of B.Optom Program: 136 + 24 = 160

Course Category		No. of Credits
BMS	Basic Medical Science	12
HS	Humanities & Social Science	19
BS	Basic Science	10
PC	Professional Core	116
VA	Value Added	1
DE	Departmental Elective	2
Total		**160**
Course Type		**No. of Courses**
TP	Theory with Practical	18
TH	Theory	28
PR	Practical	7
IN	Internship	2
Total		**55**

Semester	Credits
I	19
II	22
III	23
IV	24
V	23
VI	25
VII	12
VIII	12
Total Credit Points for the Program	**160**