

**MAHARISHI MARKANDESHWAR (DEEMED TO BE  
UNIVERSITY)**

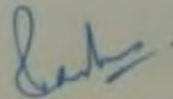

**MULLANA-AMBALA (HARYANA)-133207**  
(Deemed University established under Section-3 of the UGC act, 1956)  
(NAAC Accredited Grade 'A' University)

**ORDINANCE, SCHEME AND SYLLABUS**

**FOR**

**BACHELOR OF OPTOMETRY (B.OPOMETRY)**

(4 Years course)

  
 Joint Director (International Affairs)  
Maharshi Markandeshwar  
(Deemed to be University)  
Mullana-Ambala-133207

## MAIN OBJECTIVES OF THE PROFESSIONAL COURSE (BACHELOR OF OPTOMETRY)

### Basic Medical Sciences

1. To achieve general understanding of the Human Anatomy & Physiology.
2. To achieve good understanding of the basic medical sciences as related to Ophthalmology & Optometry (Anatomy, Physiology, Pathology, Microbiology, Biochemistry and Pharmacology).

### Clinical

The objectives of the clinical work are to enable a student to work under the supervision of an Ophthalmologist & Optometrist, to develop skills and to perform Optometric jobs.

1. Be able to develop skills to carryout Optometric Investigations.
2. Be able to do refraction work including prescription of glasses, contact lenses, and low vision devices.
3. Be able to assess disorder of Ocular motility and uniocular and binocular visual functions and knowledge of principles of non-surgical therapy and indications of surgery.
4. To impart knowledge with regard to common eye diseases with a view to acquaint them in their recognition.
5. To impart training to develop skill in manufacturing of spectacle lenses and contact lenses.
6. To impart knowledge with regard to the organization of eye bank and preservation of ocular tissues.
7. To impart knowledge regarding importance and the methodology of conducting surveys for early detection of visual defects, prevalence of ocular diseases and organization of community services like eye camps, schools, clinics and community eye care programme.
8. To impart knowledge regarding the programme of Blindness, causes of Blindness and principles of rehabilitation of the visually impaired.

  
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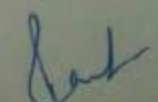
B.Sc. OPTOMETRY PROGRAMME STRUCTURE:

**B. OPTOMETRY 1<sup>st</sup> year**

CODE	Subject	TEACHING HOURS
BOPT - 01T	<b>Human Anatomy &amp; Physiology</b>	50
BOPT-01P	<b>Human Anatomy &amp; Physiology Practical</b>	150
BOPT - 02T	<b>Basic Sciences as Applied to Ophthalmology</b> (Biochemistry, Pathology, Microbiology and Pharmacology)	50
BOPT-02P	<b>Basic Sciences as Applied to Ophthalmology Practical</b> (Biochemistry, Pathology, Microbiology and Pharmacology)	150
BOPT - 03T	<b>Ocular Anatomy and Physiology</b>	80
BOPT-03P	<b>Ocular Anatomy and Physiology Practical</b>	200
BOPT - 04T	<b>Physical and Ocular Optics</b>	100
BOPT-4P	<b>Physical and Ocular Optics Practical</b>	200
ES - 101	<b>EVS</b>	80

**B. OPTOMETRY 2nd year**

CODE	Subject	TEACHING HOURS
BOPT - 05T	<b>Ocular Diseases and Eye in Systemic Diseases-I</b>	75
BOPT - 05P	<b>Ocular Diseases and Eye in Systemic Diseases-I PRACTICAL</b>	200
BOPT - 06T	<b>Ophthalmic Optics and Refraction -I</b>	75
BOPT-06P	<b>Ophthalmic Optics and Refraction -I PRACTICAL</b>	200
BOPT - 07T	<b>Dispensing Optics, Contact Lens and Low Vision Aids</b>	75
BOPT - 07P	<b>Dispensing Optics, Contact Lens and Low Vision Aids PRACTICAL</b>	200
BOPT - 08T	<b>Investigative Ophthalmology Including ophthalmic Appliances</b>	75
BOPT - 08P	<b>Investigative Ophthalmology Including Ophthalmic Appliances PRACTICAL</b>	200

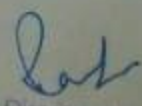
  
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**B. OPTOMETRY 3rd year**

CODE	Subject	TEACHING HOURS
BOPT - 09T	Ocular Diseases and Eye in Systemic Diseases-II	75
BOPT - 09P	Ocular Diseases and Eye in Systemic Diseases-II PRACTICAL	200
BOPT - 10T	Ophthalmic Optics and Refraction -II	75
BOPT - 10P	Ophthalmic Optics and Refraction -II PRACTICAL	200
BOPT - 11T	Squint and Orthoptics	75
BOPT - 11P	Squint and Orthoptics PRACTICAL	150
BOPT - 12T	Community Ophthalmology, Eye Banking, Computers and Communication Skills.	75
BOPT - 12P	Community Ophthalmology, Eye Banking, Computers and Communication Skills. PRACTICAL	150

**B. OPTOMETRY 4th year**

CODE	Subject	TEACHING HOURS
BOPT - 13P	Clinics: Clinical Optometry	120
BOPT - 14P	Clinics: Eye Examination	120
BOPT - 15P	Clinics: Paediatric Vision	120
BOPT - 16P	Clinics: Dispensing Optics-I	120
BOPT - 17P	Clinics: Dispensing Optics-II	120
BOPT - 18P	Clinics: Binocular Vision	120
BOPT - 19P	Clinics: Cornea/Contact Lens/Ocular Prosthesis	120
BOPT - 20P	Project Work	120

  
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