

**College of Paramedical Sciences
Teerthanker Mahaveer University**

M.Optom. (M.Sc. Optometry)

Programme Outcome

PO-1	:	Developing the ability to diagnose and manage various vision abnormalities including refractive errors as well as various eye diseases. (Attitude)
PO-2	:	Developing the ability to practice various sub-specialties of Eye care industry like Contact lens, spectacle dispensing, Orthoptics, Low Vision management, etc. (Technology savvy/usage)
PO-3	:	Developing the ability towards medical ethical as well as critical thinking (Critical thinking)
PO-4	:	Understanding environmental consciousness and societal & Community Eye care concerns in achieving the goal of vision for all. (Social interaction & effective citizenship)
PO-5	:	Developing the ability to communicate effectively both with the patients as well as within the organization for effective team work (Communication)
PO-6	:	Recognizing and understanding the need to engage in life-long learning to upgrade oneself with Eye care innovations (Lifelong learning)
PO-7	:	Developing and applying computer skills in Eye care system and taking entrepreneurial decisions. (Entrepreneurship)
PO-8	:	Applying systematized problem solving techniques to identify and correct procedural errors to verify the accuracy of ophthalmic diagnosis obtained (Problem analysis and solving)
PO-9	:	Understanding environmental consciousness and societal concerns in achieving sustainable development (Environment and Sustainability)

Programme Specific Outcome

PSO-1	:	Understanding the basic as well as advance concepts & theories related to applied science, ocular anatomy & physiology, Contact lens, Binocular vision, Low vision
PSO-2	:	Applying the concepts & theories, techniques & Procedures used in optometry.
PSO-3	:	Applying quality assurance, safety measures and maintenance of ophthalmic instruments
PSO-4	:	Analyzing eye environmental factors & selecting the relevant optical mode of correction & Evaluating different optical correction technique
PSO-5	:	Evaluating & determining tools, technique, methods, tests used in optometry
PSO-6	:	Designing & planning of new techniques, procedure for patient and clinic management.
PSO-7	:	Designing & planning the latest mode of educating the optometry students

Course Outcomes

MCO101	CO-1	Understanding the concept emmetropia & ammetropia
	CO-2	Applying the various concepts of ophthalmic lens dispensing
	CO-3	Applying the concepts of Spectacle frame selection
	CO-4	Understanding basics & advance technique of pediatric dispensing
	CO-5	Applying the concepts of dispensing spectacle in special children
MCO102	CO-1	Understanding the concept of Epidemiology.
	CO-2	Applying concept of optometric Evaluation procedure.
	CO-3	Understanding the concept of Health planning management, policies and education
	CO-4	Utilizing the concept of Community health care services and implementation of vision 2020.
	CO-5	Analyzing the data as well as basic concept of evaluation of patient for clinical and research purpose.
MCO103	CO-1	Understanding basic of research types
	CO-2	Understanding the various methods of research
	CO-3	Ability to write research proposal.
	CO-4	Applying the concept for writing the research articles
	CO-5	Applying the concept in evaluating the research material
MCO104	CO-1	Understanding the concept of different Ocular diseases of anterior segment of Eye
	CO-2	Applying the concept of anatomy & Physiology of Eye while understanding the Pathology of different ocular diseases
	CO-3	Utilizing the concept of clinical features of the diseases for the differential diagnosis of the anterior segment diseases
	CO-4	Analyzing the concept of clinical features of the diseases for the management of anterior segment diseases
	CO-5	Applying the concept of different Ocular diseases of anterior segment of Eye
MCO201	CO-1	Understanding the concept of different Ocular diseases of posterior segment of Eye
	CO-2	Applying the concept of anatomy & Physiology of Eye while understanding the Pathology of different ocular diseases
	CO-3	Utilizing the concept of clinical features of the diseases for the differential diagnosis of the ocular diseases
	CO-4	Analyzing the concept of clinical features of the diseases for the management of ocular diseases
	CO-5	Applying the concept of different Ocular diseases of posterior segment of Eye
MCO202	CO-1	Understanding about contact lens history, introduction, design & relation with structure of eye
	CO-2	Understanding about RGP contact lens material & their property their parameter
	CO-3	Understanding about RGP contact lens manufacturing techniques & fitting of RGP lenses
	CO-4	Understanding and know about care maintenance and do's & don't of

		RGP contact lens
	CO-5	Analyzing the complication and their management of RGP contact lenses
MCO203	CO-1	Understanding the classification of strabismus
	CO-2	Understanding the concept of recording history in strabismus patients
	CO-3	Understanding the clinical features of convergent & divergent Strabismus, vertical & paralytic Strabismus
	CO-4	Applying the concept of pediatric refraction
	CO-5	Applying the concepts of diagnosis of pediatric anomalies
	MCO204	CO-1
CO-2		Analyzing the various causes of Low Vision
CO-3		Understanding how to do examination of a low vision Patient,
CO-4		Applying various optical and non-optical devices for visual rehabilitation of a low vision Patient.
CO-5		Understanding the legal aspects of Low Vision in India, as well as applying case studies to for visual rehabilitation of a low vision Patient.
MCO301	CO-1	Understanding the corneal oxygen requirements and recommend the best suitable contact lens for a particular condition.
	CO-2	Understanding ocular complications with contact lenses.
	CO-3	Understanding contact lens fitting for compromised corneas and keratoconus.
	CO-4	Understanding the fitting philosophy of orthokeratology.
	CO-5	Understanding the fitting philosophy of myopia control.
MCO302	CO-1	Understanding the rehabilitation process of children and adults with vision impairment
	CO-2	Understanding the educational needs of school going children with vision impairment
	CO-3	Utilizing assistive devices for low vision patients
	CO-4	Analyzing the importance of color vision in low vision patients
MCO303	CO-1	Applying the concepts to classify different types of strabismus
	CO-2	Applying the concepts to diagnosed the different neurological disorder leading to the visual disorder
	CO-3	Applying the appropriate method to diagnosed the visual disorders
	CO-4	Applying the concepts for proper management of visual disorders
	CO-5	Creating & panning the proper vision therapy session as per needs
MCO401	CO-1	Understanding the concept & terminology of Development & learning
	CO-2	Understanding the role of teachers
	CO-3	Applying different techniques of teaching
	CO-4	Analyzing different methods of teaching & their outcomes
	CO-5	Developing a holistic approach ideal method of teaching
MCO402	CO-1	Understanding the concept & terminology of Optometry
	CO-2	Enlisting different organization working in the welfare of Optometry
	CO-3	Understanding Personal and professional insurance
	CO-4	Applying the concepts of Accountancy and Public relations
	CO-5	Analyzing the different Methods of public relations & its importance