

**Medical College & Research Centre  
Teerthanker Mahaveer University**

**MS (Ophthalmology)**

**Goal:** The goal of MS course in Ophthalmology is to produce a competent ophthalmologist who:

- Recognizes the health needs of and carries out professional obligations in keeping with principles of National Health Policy and professional ethics;
- Has acquired the competencies pertaining to Ophthalmology that are required to be practiced in the community and at all levels of health care system;
- Has acquired skills in effectively communicating with the patient, family and the community;
- Is aware of the contemporary advances and developments in medical sciences as related to eye care;
- Is oriented to principles of research methodology
- Has acquired skills in educating medical and paramedical professionals.

**Objectives:** At the end of the MS course in Ophthalmology, the student should be able to

- Recognize the key importance of ocular health in the context of the health priority of the country;
- Practice the speciality of Ophthalmology in keeping with the principles of professional ethics;
- Identify social, economic, environmental, biological and emotional determinants of patients and institute diagnostic, therapeutic, rehabilitative, preventive and promotive measures to provide holistic care to the patients;
- Recognize the importance of growth and development as the foundation of Ophthalmology; and help each patient realize her/his optimal potential in this regard;
- Take detailed history, perform full ocular examination including anterior and posterior segment of eye and neuro ophthalmology and make clinical diagnosis;
- Perform relevant investigative and therapeutic procedures for the patient;
- Interpret important imaging and laboratory results;
- Diagnose ocular ailment on the analysis of history, ocular examination and investigative work up;
- Plan and advise measures for the prevention of eye diseases and visual disability.
- Carryout common surgical procedures independently.
- Plan rehabilitation of patients suffering from ocular illness and handicap, and those with special needs;
- Manage ocular emergencies efficiently;
- Recognize the emotional and behavioral characteristics of visually disabled patient and keep these fundamental attributes in focus while dealing with them;
- Demonstrate communication skills of a high order in explaining management and prognosis, providing counseling and giving health education messages to patients, families and communities;
- Develop skills as a self-directed learner, recognize continuing educational needs; use appropriate learning resources, and critically analyze relevant published literature in order to practice evidence-based ophthalmology;
- Demonstrate competence in basic concepts of research methodology and epidemiology;

- Facilitate learning of medical/nursing students, practicing physicians, para- medical health workers and other providers as a teacher-trainer;
- Play the assigned role in the implementation of National Programs For Control of Blindness, effectively and responsibly;
- Function as a productive member of a team engaged in eye care, research and education.