

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

MD (Physiology)

Goals: The goal of MD Course in Physiology is produce a competent physiologist and a good medical teacher who:

- Is able to demonstrate comprehensive understanding of physiology as well as that of applied disciplines;
- Has acquired skills in effective teaching and communicating with medical and paramedical students;
- Is oriented to principles of research methodology and is thus able to plan and conduct research effectively;
- Is able to plan educational programmes in physiology utilizing modern methods of teaching and evolution;
- Is able to organize and equip physiology labs.

Objectives: At the end of MD Course in Physiology, the student should be able to:

- Demonstrate Comprehensive understanding of the structure, function and development of human body as related to physiology, all the factors which might disturb these, mechanism of such disturbances and the disorders of structure and function;
- Critically evaluate the impact of recent information on the genesis of current concepts related to various topics of physiology;
- Recapitulate the information imparted to the UG students in physiology;
- Perform and critically evaluate the practical exercise done by UG students;
- Demonstrate competence in basic concepts of research methodology, effectively use the statistical methods and write a scientific paper on the lines accepted by standard scientific journals;
- Design, fabricate and use indigenous gadgets for experimental purposes;
- Demonstrate familiarity with the principles of medical education;
- Draw out meaningful curricula for teaching medical and paramedical courses;
- Organize the labs for various practical exercises, substitute and fabricate some of the simpler equipment for teaching purpose;
- Handle and order for stores, draw up lists of equipment required to equip physiology labs;
- Develop skills as a self directed learner, recognize continuing educational needs; use appropriate learning resources and critically analyze relevant published literature'
- Organize and supervise the desired managerial and leadership skills;
- Function as a productive member of team engaged in research and education.