

MD - PHYSIOLOGY (PYSI)

PYSI 1002 Physiology (5 Credit Hours)

This course involves the study of the body's function from molecules to the whole organism. Students are expected to apply fundamental principles of physics and chemistry to the understanding of the body's function and regulatory mechanisms.

PYSI 1111 Physiology Summer Course (5 Credit Hours)

T1 & T2 summer courses may be required for students who need to remediate pre-clinical coursework. Contact your course director for more information.

PYSI 5110 Capstone component: PYSI 1002 (0 Credit Hours)

PYSI 5500 Clinical Preceptorship - Pysi (1 Credit Hour)

Preceptorships are available to T1 & T2 students who are interested in the specialty. Students must identify a physician to shadow. Students must have their preceptorship approved in advance by the Senior Associate Dean of Admissions and Student Affairs.

PYSI 5540 Physiology Research (1 Credit Hour)

Several faculty members, led by our Chairman, Dr. L.G. Navar, are investigating the role of the kidney and blood vessels in the pathophysiology of hypertension. Students will be exposed to various experimental approaches used in the study of renal function, hemodynamics, tubular transport processes, and fluid and electrolyte regulation. Student can learn techniques for the evaluation of renal function, renal tubule reabsorption, and vascular responses to different antihypertensive drugs, as well as the expression and regulation of genes involved in hypertension. Basic methodological approaches also will be covered in a systematic manner. The remainder of the student's time will be spent in one or more laboratories of participating faculty.