PHYSIOLOGY (PHS)

PHS 626 Neurophysiology I **1 Credit hour**
To study and understand the basic functional principles of the cells of the nervous system, and organization of cells into functional systems.
Pre-req: BMS 600.
Grade Mode: Normal Grading Mode

PHS 627 Neurophysiology II **1 Credit hour**
To study and understand the major functional systems of the brain.
Pre-req: PHS 626.
Grade Mode: Normal Grading Mode

PHS 628 Mammalian Neurophysiology **2 Credit hours**
This coures is a basic introductory, survey course covering neurophysiology from sub-cellular level to behavioral level.
Grade Mode: Normal Grading Mode

PHS 629 Mammalian Physiology **6 Credit hours**
A study of mammalian systems including pulmonary, renal, cardiovascular, gastrointestinal, endocrinological and nervous systems. Emphasis will be placed on homeostatic mechanisms and on experimental approaches to physiology.
Grade Mode: Normal Grading Mode

PHS 630 Experimental Physiology **1 Credit hour**
A laboratory course in mammalian physiology which includes instruction in surgical preparation, bioinstrumentation technique and open-chest surgery in dogs.
Grade Mode: Normal Grading Mode

PHS 631 Physiology Practicum **2 Credit hours**
Experience in laboratory instruction of medical and graduate students in the mammalian physiology laboratory.
Grade Mode: Normal Grading Mode

PHS 632 Physiology of Sleep **1 Credit hour**
Detailed examination of changes in EEG, EMG, cardiorespiratory function and ocular motility during sleep.
Pre-req: PHS 629.
Grade Mode: Normal Grading Mode

PHS 634 Advanced Neurophysiology **1-2 Credit hours**
Bioelectric potentials. A.C. and D.C. potentials, transcortical potentials,E.E.G., comeo-retinal potential, bloodCSF potential, etc.
Pre-req: PHS 629.
Grade Mode: Normal Grading Mode

PHS 638 Adv Cardiovascular Phys **1-2 Credit hours**
Pre-req: PHS 629.
Grade Mode: Normal Grading Mode

PHS 639 Neurophys Res Tech **3 Credit hours**
Class participants will be exposed to state-of-the-art neurophysiology research techniques while in the laboratories of neurophysiology faculty.
Grade Mode: Credit/No Credit Grade Only

PHS 661 Endocrinology **3 Credit hours**
An in depth study of the endocrine system with special emphsis on the role of experimentation in the development of concepts in endocrine physiology (PR: BMS 600 or Equivalent; Permission)
Pre-req: BMS 600.
Grade Mode: Normal Grading Mode

PHS 666 Physiology of the Cell **3 Credit hours**
An in-depth study of selected specific topics in cell physiology.
Pre-req: BMS 600.
Grade Mode: Normal Grading Mode

PHS 667 Experimental Appr to Phys **4 Credit hours**
This course introduces students to the fundamental principles and research underlying the normal functioning of the cardiovascular, respiratory, renal, endocrine, reproductive, nervous, and gastrointestinal systems.
Grade Mode: Normal Grading Mode

PHS 675 Special Topics **1-4 Credit hours**
Present course material on special areas of research or topics which are not routinely covered in existing courses.
Grade Mode: Normal Grading Mode

PHS 676 Special Topics **1-4 Credit hours**
Present course material on special areas of research or topics which are not routinely covered in existing courses.
Grade Mode: Normal Grading Mode

PHS 677 Special Topics **1-4 Credit hours**
Present course material on special areas of research or topics which are not routinely covered in existing courses.
Grade Mode: Normal Grading Mode

PHS 701 Physiology **8 Credit hours**
Grade Mode: Normal Grading Mode

PHS 780 Elective Special Projects **1 Credit hour**
Grade Mode: Normal Grading Mode

PHS 785 Independent Study **1-15 Credit hours**
Independent Study in Physiology is designed to allow the student the opportunity to work with a faculty member on a topic of special interest.
Grade Mode: Credit/No Credit Grade Only

PHS 820 Medical Physiology **1-18 Credit hours**
Grade Mode: Normal Grading Mode