GENETICS (GENET)

GENET 581: Genetics of Model Organisms: Bacterial and Viral Pathogenesis: A
1 Credits
Examines uses of genetic studies in understanding biological processes associated with bacterial and viral pathogenesis. GENET 581 GENET 581
Prerequisite: BMS 503 or permission of program

GENET 582: Genetics of Model Organisms: Molecular Genetic Analysis of Signaling Pathways: B
1 Credits
Examines uses and interrelationships of genetic studies with model systems from yeast to mice in elucidating signaling pathways. GENET 582 GENET 582
Prerequisite: BMS 503 or permission of program

GENET 583: Genetics of Model Organisms: Bacterial and Viral Pathogenesis: A (1)
This course presents the use of genetic analysis in bacteria and viruses with its application to the study and dissection of biological pathways and processes. Bacterial and viral pathogenesis will be used to develop concepts and techniques that are critical components of genetic studies. Integration of studies will be used to compare and contrast the specific methods and techniques that underlie the use of genetic approaches in bacteria and viruses.
Prerequisite: BMS 503 or permission of program

GENET 584: Genetics of Model Organisms: Bacterial and Viral Pathogenesis: A (1)
This course presents the use of genetic analysis in bacteria and viruses with its application to the study and dissection of biological pathways and processes. Bacterial and viral pathogenesis will be used to develop concepts and techniques that are critical components of genetic studies. Integration of studies will be used to compare and contrast the specific methods and techniques that underlie the use of genetic approaches in bacteria and viruses.
Prerequisite: BMS 503 or permission of program

GENET 585: Human Genetics B: Non-mendelian Genetics
1 Credits
This course explores genetic disease mechanisms that alter chromosome behavior or show non-mendelian patterns of inheritance. GENET 585 GENET 585
Prerequisite: BMS 501, BMS 502, and BMS 503

GENET 586: Human Genetics C: Complex Traits
1 Credits
This course explores the human genome landscape, how individuals vary, and gene identification for multigene traits and disorders. GENET 586
Prerequisite: BMS 501, BMS 502, and BMS 503

GENET 587: Genetic Approaches to Biomedical Problems
3 Credits
Advanced training of students with interest in genetic approaches to problem solving.
Prerequisite: BMS 501, BMS 502, and BMS 503

GENET 590: Colloquium
1-3 Credits/Maximum of 3
Continuing seminars which consist of a series of individual lectures by faculty, students, or outside speakers.

GENET 594: Thesis Research
1-15 Credits/Maximum of 9
Creative projects, including nonthesis research, which are supervised on an individual basis and which fall outside the scope of formal courses.

GENET 597: Special Topics
1-9 Credits/Maximum of 9
Formal courses given on a topical or special interest subject which may be offered infrequently.

GENET 600: Thesis Research
1-15 Credits/Maximum of 999
No description.
GENET 601: Ph.D. Dissertation Full Time
0 Credits/Maximum of 999
No description.
GENET 610: Thesis Research Off Campus
1-15 Credits/Maximum of 999
No description.