

Human Medical Genetics Schedule
Spring Semester 2022
Tuesday & Thursday 12:30 – 1:50
Room 4051 MSB

Course No: MEDS3022/MG7022

Course Director: Dr. David Wieczorek

Co-Director: Dr. Anil Menon

Textbook: Medical Genetics (5th Edition, 2016) by Jorde, Carey, & Bamshad, publisher Mosby Elsevier, ISBN 978-0-323-18835-7

1	Tu	1-11-22	Introduction, Basic Cell Biology, and Structure/Function of Genes	1 & 2	Wieczorek	
2	Th	1-13-22	Genetic Variation - Methods of DNA & Protein Analyses; Origin of Human Population Variation	3	Wieczorek	
3	Tu	1-18-22	Autosomal Inheritance - 1: Recessive Disorders: Blood Disorders – Sickle Cell Anemia	4	Wieczorek	
4	Th	1-20-22	Autosomal Inheritance - 2: Dominant Disorders: Hypertrophic Cardiomyopathy and Heart Failure	4	Wieczorek	
5	Tu	1-25-22	Sex-linked Inheritance: Duchenne's Muscular Dystrophy	5	Wieczorek	
6	Th	1-27-22	Non-Traditional Inheritance: Myotonic Dystrophy	5	Wieczorek	
7	Tu	2-1-22	Review Session		Wieczorek	
8	Th	2-3-22	Exam I		Wieczorek	
9	Tu	2-8-22	Immunogenetics - 1	9	Monaco	
10	Th	2-10-22	Immunogenetics – 2	9	Monaco	
11	Tu	2-15-22	Gene Mapping & Identification - 1	8	Menon	
12	Th	2-17-22	Gene Mapping & Identification – 2: Cystic Fibrosis & Neurofibromatosis	8	Menon	
13	Tu	2-22-22	Cancer Genetics: Retinoblastoma; p53	11	Menon	
14	Th	2-24-22	Multifactorial Inheritance – 1 Alcoholism	12	Menon	
15	Tu	3-1-22	Multifactorial Inheritance - 2: Alzheimer's Disease, Schizophrenia	12	Menon	
16	Th	3-3-22	Fetal Programming, Obesity		Menon	
17	Tu	3-8-22	Review Session		Monaco & Menon	
18	Th	3-10-22	Exam II		Monaco & Menon	
19/20	Tu/Th	3-15-22 3-17-22	Spring Break			
21	Tu	3-22-22	Cytogenetics: Chromosome aneuploidy and polyploidy: Down's syndrome	6	Wieczorek	
22	Th	3-24-22	Metabolic Diseases: Amino Acids and PKU	7	Wieczorek	
23	Tu	3-29-22	Metabolic Diseases: Carbohydrate and Lipid Diseases	7	Wieczorek	
24	Th	3-31-22	Developmental Genetics: Signaling Molecule Defects, Pattern Formation Defects	10	Wieczorek	
25	Tu	4-5-22	Sleep, Genes, and Schizophrenia		Wieczorek	
26	Th	4-7-22	Genetic Testing & Therapy: Disease Screening	13	Wakefield/Widmeyer	

27	Tu	4-12-22	Clinical Genetics: Diagnosis and Counseling	15	Hartmann	
28	Th	4-14-22	Pluripotent Stem Cells		Kanisicak	
29	Tu	4-19-22	Career Day		Grier/LeCras	
30	Th	4-21-22	Review Session		Wieczorek	
31		TBD	Final Exam III		Wieczorek	