

LAPHYMED USMLE Pre-Step I REVIEW COURSE

September/December 2021

Dr. Casal

Date	Subject	Topic
09/24/21	Orientation Diagnostic Exam Immunology	<u>Time:</u> Friday: 5:00-9:00 PM Pacific Time. Saturday 7:00 AM - 2:00 PM. Pacific time.
09/24/21	Immunology	Natural vs. Specific Immunity, Antibodies, TCR, MHC Class I & II. Structure of the lymphoid system, Summary of adhesion molecule and Cytokines. Overview of Humoral and Cell mediated immunity, complement system, hypersensitivity, Tolerance and Autoimmune disease and Immune deficiency.
09/25/21	Immunology	General Microbiology, Microbial classification, Bacteria and Bacterial disease, Interaction between antimicrobials and Infectious organisms, Fungi and Fungal infections, Parasites, Medically important DNA and RNA viruses and viral disease, Oncogenic viruses, Immunization, Clinical Cases, Principles of cultivation, assay and laboratory diagnosis.
10/01/21	Microbiology	
10/02/21	Microbiology	
10/08/21	Microbiology	
10/09/21	Microbiology	
10/15/21	Microbiology	
10/16/21	Microbiology	
10/22/21	Microbiology	
10/23/21	Microbiology	
10/29/21	Biochemistry	Molecular Biology: Cell cycle, Nucleotide structure and Nomenclature, DNA structure, DNA replication, repair and disease, Transcription, Types of RNA, Genetic Codes and Mutation, Translation, Co and Post Translation modification of collagen synthesis and disease, Genetic regulation, Recombinant DNA, Genetic Testing. Metabolism: Carbohydrates, Lipids and Proteins, Vitamins and Enzymes.
10/30/21	Biochemistry	
11/05/21	Biochemistry	
11/06/21	Biochemistry	
11/12/21	Biochemistry	
11/13/21	Biochemistry	
11/19/21	Biochemistry	
11/20/21	Biochemistry	
11/26/21	Biochemistry	
11/27/21	Biochemistry.	
12/03/21	Biochemistry.	
12/04/21	Behavioral Science	Epidemiology and Statistics, Social Life, Ethical and Legal Issues, Physician Patient Relationships, Learning and Behavior Modifications, Defense Mechanisms, Diagnostic and Statistical Manual IV, Test, Child Development and Child Psychiatry, Dementia, Personality Disorder, Schizophrenia and other Psychotic Disorders, Mood Disorder, Anxiety Disorder, Somatoform Disorder, Eating Disorder, Human Sexuality, Impulse Control, Substance Related Disorder, Sleep Disorder, Psychiatric Emergencies, Brief Neuroanatomy and Neuropharmacology.
12/10/21	Behavioral Science	
12/11/21	Behavioral Science	
12/17/21	Behavioral Science	
12/18/21	Behavioral Science	
12/18/21	Final Exam	This is a tentative schedule and is subject to change.