HOWARD UNIVERSITY

College of Pharmacy
Center of Excellence, Pharmacy Biomedical Preview Program

Coordinator: Emmanuel O. Akala, R.Ph., Ph.D.
Lead Tutor: Mrs. Paula Ingram Darasaw

Lectures and Examinations Schedule

WEEK 1: JULY 7-11, 2014 (ANATOMY/PHYSIOLOGY)

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 12:00	**Pharmacy Biomedical Preview (PBP) Program Overview**	Nerve Excitability (Ingram)	Anatomy of the Heart (Allen)	Overview of Blood Vessels (Allen)	A&P Week 1 Review (Ingram/Allen)
12:00 1:00	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)
1:00 4:00	General Cell Biology & Physiology (Ingram)	Organization and Division of the Nervous System & Cranial Nerves: Sensory, Motor, Mixed (Ingram)	Physiology of the Heart (Allen)	Hemodynamics and Blood Pressure (Allen)	**Anatomy/Physiology**: Skeletal Muscle Anatomy (Ingram)
6:00 7:00		**Anatomy/Physiology Quiz 1** (Ingram)		**Anatomy/Physiology Quiz 2** (Allen)	

WEEK 2: JULY 14-19, 2014 (ANATOMY/PHYSIOLOGY)

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 12:00	**A&P Week 1 Final Examination** (Ingram/Allen)	Gastrointestinal System: Basic Anatomy (Ezeonyebuchi)	Anatomy of the Kidneys and Bladder (Ezeonyebuchi)	Physiology of the Kidney Part II (Ezeonyebuchi)	Anatomy/Physiology Week Two Review (Ezeonyebuchi)
12:00 1:00	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)
1:00 4:00	Skeletal Muscle Physiology (Ezeonyebuchi)	Gastrointestinal System: Basic Physiology (Ezeonyebuchi)	Physiology of the Kidney (Ezeonyebuchi)	Physiology of the Bladder & the Role of Some Drugs Affecting the Urinary System (Ezeonyebuchi)	Anatomy/Physiology Week Two Review (Ezeonyebuchi)
6:00 7:00		**Anatomy/Physiology Quiz 3** (Ingram/Ezeonyebuchi)		**Anatomy/Physiology Quiz 4** (Ezeonyebuchi)	

Lectures and Examinations Schedule Continued

WEEK 3: JULY 21-25, 2014 (PHARMACEUTICAL CALCULATIONS)

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 12:00	**A&P Week 2 Final Examination** (Ezeonyebuchi)	Reducing and Enlarging Formulas (DelVillano)	Percentage, Ratio, and Other Expressions of Concentration (DelVillano)	Rate of Flow of Intravenous Fluids (DelVillano)	Calculations Review: Example Problems and their Solutions (DelVillano)
12:00 1:00	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)
1:00 4:00	**Pharmaceutical Calculations:** The International System of Units (DelVillano)	Density, Specific Gravity, and Specific Volume (Delvillano)	Electrolyte Solutions: Milliequivalents, Millimoles, and Milliosmoles (DelVillano)	The Allegation Method (DelVillano)	Calculations Review: Example Problems and their Solutions (DelVillano)
6:00 7:00		**Pharmaceutical Calculations Quiz 1** (DelVillano)		**Pharmaceutical Calculations Quiz 2** (DelVillano)	

WEEK 4: JULY 28- AUGUST 1, 2014 (BIOCHEMISTRY)

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 12:00	**Pharmaceutical Calculations Final Examination** (DelVillano)	Overview of the Amino Acids (Ransome)	Introduction to Carbohydrates and Glycolysis (Ransome)	Glycogen Metabolism, Electron Transport/Oxidative Phosphorylation (Ransome)	Biochemistry Review (Ransome)
12:00 1:00	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)
1:00 4:00	**Biochemistry:** Overview of Nucleic Acid Chemistry & The Central Dogma: DNA, RNA, Protein Biosynthesis (Ransome)	Basic Concepts in Protein Structure (Ransome)	Gluconeogenesis, TCA Cycle & Pentose Phosphate Pathway (Ransome)	Introduction to Enzymes, Michaelis-Menten Kinetics (Ransome)	**Microbiology:** Bacterial Metabolism, Growth and Genetics (Ingram)
6:00 7:00		**Biochemistry Quiz 1** (Ransome)		**Biochemistry Quiz 2** (Ransome)	

Lectures and Examinations Schedule Continued

WEEK 5: AUGUST 4-8, 2014 (MICROBIOLOGY/IMMUNOLOGY)

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 12:00	**Biochemistry Final Examination** (Ransome)	Gram Negative Infections (Entero, Neisseria, Vibrio) (Onejeme)	Atypical Infections (Mycoplasma, Mycobacterium, Chlamydia & Fungal Classification) (Onejeme)	Intro to Immunology (Ofoegbu)	Microbiology Review (Ingram/Onejeme/Ofoegbu)
12:00 1:00	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN)	***LUNCH*** (ON YOUR OWN))
1:00 4:00	Bacterial Cell Wall Morphology; Mechanisms of Pathogenicity (Onejeme)	Gram Positive Infections (Staph, Strep, Clostridium) (Onejeme)	Overview of Antimicrobial Agents (Ingram)	Intro to Immunology (Ofoegbu)	**Microbiology Final Examination** (Ingram/Onejeme/Ofoegbu)
6:00 7:00		**Microbiology Quiz 1** (Onejeme/Ingram)		**Microbiology Quiz 2** (Onejeme/Ingram)	***5:00PM Dinner Reception w/COP Administrators, COE Faculty/Staff & Completion of PBP Survey***