10/01/07-10/05/07 **Cardiac Pump Function** 10/08/07-10/12/07 Electrical Activity of the Heart and Its Rhythm 10/15/07-10/19/07 **Regulation of Blood Pressure and Cardiac Output** 10/22/07-10/26/07 Regulation and Control of Peripheral, Pulmonary and Coronary Blood Flow 10/29/07-11/02/07 Alveolar Ventilation & Gas Exchange 11/05/07-11/09/07 Central & Peripheral Control of Respiration; Acid-Base Balance 11/12/07-11/16/07 Oxygen Transport; Transcapillary Fluid Flux 11/26/07-11/30/07 Cardiac Energetics and Lipoprotein Metabolism 12/03/07-12/07/07 **ECF & Sodium Homeostosis Renal Sodium Proc** 12/10/07-12/14/07 Water Homeostatis: Vasopressin, Countercurrent Multiplier and Aquaporins Acid/Base Homeostasis Potassium Homeostasis Calcium Phosphorus PTH and The Kidney 12/17/07-12/21/07 01/07/08-01/11/08 **Cartilage Development and Function** 01/14/08-01/18/08 Normal Bone Homeostasis 01/21/08-01/25/08 Muscular Physiology 01/28/08-02/01/08 Development of the Nervous System 02/04/08-02/08/08 The Sensory System 02/11/08-02/15/08 The Motor System 02/18/08-02/22/08 Behavior and Mood: the Developing Brain **Foregut Capacitor Function** 02/25/08-02/29/08 03/03/08-03/07/08 Integration of GI Motility & Secretory Functions 03/10/08-03/14/08 Transformer Functions: Digestion, Absorption, Nutrition Transformer Functions: Healthy Liver 03/17/08-03/21/08 Hormone Action and Regulation 03/31/08-04/04/08 04/07/08-04/11/08 **Energy Metabolism** 04/14/08-04/18/08 Female Reproductive System 04/21/08-04/25/08 Male Reproductive System 04/28/08-05/02/08 Barriers to & Complications of Infection 05/05/08-05/09/08 T & B Cells 05/12/08-05/16/08 Structure and Function and Development of Myeloid Cells 05/19/08-05/23/08 Autoimmunity & Manifestations **Retrovirology & Immunodeficiency** 05/26/08-05/30/08 Erythrocyte and Blood Borne Pathogens 06/02/08-06/06/08 06/09/08-06/13/08 Transplant + Tumor Immunology