**NURS 91P: Pharmacology I**

**Reading List and Course Calendar**

**Required Textbooks:**

A: Adams, M., Holland, N. & Urban, C. (2019). *Pharmacology for nurses: A pathophysiological approach.*

Boston, MA: Pearson.

M: Morris, D. G. (2019). *Calculate with confidence*. St. Louis, MO: Elsevier.

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| Week | Topics | Reading Assignment  (page numbers) |
| 1 | Basic Concepts in Pharmacology  Regulatory Framework and Scope of Practice  Nursing Process and Errors in Medication Administration | A: Ch.1: *Introduction to Pharmacology* (2-8)  A: Ch.2.: *2.1 Drug Regulations and Standards* (10-12); *2.2 The Role of the Food and Drug Administration* (12-13); *2.6 Controlled Substances, Drug Schedules, and Teratogenic Risks* (16-17)  A: Ch. 6: *Nursing Process in Pharmacology* (58-65)  A: Ch. 7: *Medication Errors and Risk Reduction* (67-74)  M: Ch.6: *Metric System.*;Ch. 7: *Apothecary and Household Sys*tems; Ch. 8: *Converting Within and Between Systems. (Good resource in A, Ch 3, p. 24!)* |
| 2 | ***Basic Conversion Take Home Test due!***  Introduction to Pharmacokinetics and Pharmacodynamics | A: Ch. 3*: Principles of Drug Administration* (19-34)  A: Ch. 4: *Pharmacokinetics* (37-46)  A: Ch. 5: *5.4 Potency and Efficacy* (51); 5.6 *Types of Drug-Receptor Interactions* (53) |
| 3 | ***Basic Conversion Take Home Test (2nd attempt) due!***  **Infection Prevention and Treatment:**  Medications for Bacterial Infections;  Vaccines | A: Ch. 35: 35.1 *Pathogenicity and Virulence* (504); 35.3 *Classification of Anti-Infective Drugs* (505); 35.6 *Selection of an Effective Antibiotic* (508-509); *Antibacterial Drugs* (509-526);  A: Ch. 36: *Tuberculosis* (530-532)  Medication tables and summaries for prototype medications  M: Ch. 14, 15 & 16: *…the Ratio and Proportion Method; …the Formula Method; … the Dimensional Analysis Method*. |
| 4 | ***Take Home Test 1 due!***  **Infection Prevention and Treatment, continued.:**  Medications for TB, Viral, and Fungal Infections | A: Ch. 36: *Tuberculosis* (530-532); 36.5 *Pharmacotherapy of Systemic Fungal Diseases* (536-537*); 36.6 Pharmacotherapy with the Azole Antifungals* (537-539); *36.7 Pharmacotherapy of Superficial Fungal Infection* (539-541); *Nystatin* (540)  A: Ch. 37: 37.10 *Herpesvirus Infection* (564-566); 37:11 *Influenza;* 37.12 *Viral Hepatitis* (567-570)  Medication tables and summaries for prototype medications |
| 5 | **Management of Pain:**  Opioid, Non-Opioid and Miscellaneous  Analgesic Medications | A: Ch. 18: *Drugs for the Control of Pain (223-242)*  A: Ch. 48: 48.7 *Pharmacotherapy of Gout and Hyperuricemia* (782-787)  Medication tables and summaries for prototype medications |
| 6 | **Management of Glaucoma; Management of Gastrointestinal Disorders** | A: Ch. 50: *Glaucoma, Antiglaucoma Drugs* (810-816); 50.5 *Pharmacotherapy for Eye Exams and Minor Eye Conditions* (816-819)  A: Ch. 41: *Drugs for Peptic Ulcer Disease* (634-646)  A: Ch. 42: *Constipation, Diarrhea, Irritable Bowel Syndrome, Inflammatory Bowel Disease, Nausea and Vomiting* (649-664)  Medication tables and summaries for prototype medications |
| 7 | **Midterm Exam** |  |
| 8 | **Management of Cardiovascular Conditions**, continued**:**  Medications for Heart Failure, Angina Pectoris, and Lipid Disorders | A: Ch. 27: *ACE Inhibitors and Angiotensin Receptors, Diuretics, Cardiac Glycosides, Beta-Adrenergic Blockers* (372-383)  A: Ch. 24: *Diuretics* (321-333)  Medication tables and summaries for prototype medications |
| 9 | **Management of Cardiovascular Conditions:**  Medications for Heart Failure, Angina Pectoris, and Lipid Disorders | A: Ch. 23: *Drugs for Lipid Disorders* (306-319)  A: Ch. 28: *Angina Pectoris, Organic Nitrates, Beta-adrenergic Blockers, Calcium Channel Blockers* (387-396)  Medication tables and summaries for prototype medications |
| 10 | ***Take Home Test 2 due!***  **Management of Respiratory Disorders:** Medications for COPD and Asthma | A: Ch 39: 39.6 & 39.7:  *Antitussives and expectorants* (608-610)  A: Ch 40: *Bronchodilators and Anti-inflammatories* (616-630)  Medication tables and summaries for prototype medications |
| 11 | **Management of Insomnia, Anxiety, Emotional and Mood Disorders** | A: Ch. 14: 14.6-14.10 *Treating Anxiety and Insomnia with CNS Drugs; Treating Anxiety and Insomnia with Benzodiazepines; Treating Anxiety with Antidepressants; Miscellaneous Anxiolytics for Anxiety and Sleep Disorders; Use of Barbiturates as Sedatives* (151-164)  Medication tables and summaries for prototype medications |
| 12 | **Final Exam** | Date and time to be announced |

*12/12/20*