

## Pharmacology 260 Online Course Schedule – Summer 2015

The topics listed below do not necessarily correspond to a 1 - hour lecture period. You should cover the topics for each week at some time during that week. Readings corresponding to material in each topic are provided for ***Pharmacology for Nurses: A Pathophysiologic Approach, 4th Edition*** (“Pages Adams”), ***Applied Pharmacology for the Dental Hygienist, 7<sup>th</sup> Edition*** (“Pages Haveles”) and ***Lippincott’s Illustrated Reviews: Pharmacology, 6<sup>th</sup> Edition*** (“Pages Whalen”). Page numbers for readings may not start at the beginning of a chapter; instead, they may start at the beginning of a section relevant to the topic.

### Exam 1 Material

Week	Topic	Pages Adams	Pages Haveles	Pages Whalen	Assignment
<b>Exam 1 covers topics 1 – 12. Download the <a href="#">Exam 1 Study Guide</a> here.</b>					
<b>The Science of Pharmacology</b>					
1	1. Introduction to Pharmacology	4-16	1-10		Startup Survey
1	2. Mechanisms of Drug Action	23-34 36-44 46-52	11-24	1-18 25-36	About This Course Quiz
1	3. Drug Side Effects	66-73	25-30 318-320	-	
1	4. Drug Interactions	-	-	13 - 16	
1	5. Age Differences and Drug Action	76-87	273-281	-	
<b>Cardiovascular Pharmacology</b>					
1	6. Physiology Overview: The Autonomic Nervous System	132-136	32-36		
1	7. Physiology Overview: The Cardiovascular System	-	-	-	
1	8. Cholinergic Agonists and Antagonists	137-138 142-153	36-40	51 - 73	Week 1 Question Set
2	9. Adrenergic Agonists and Antagonists	138-142	40-45	77 - 104	
2	10. Physiology Overview: The Kidneys	300-302	-	241 - 243	
2	11. Diuretics	302-310	170-173	243 - 253	
2	12. Drugs for Hypertension	328-345	167-170 173-178	225-239	Week 2 Question Set
2	Sample Questions for Exam 1				Sample Qs
3	<b>Exam 1: Monday, June 1, 2015 covers topics 1 – 12</b>				<b>Exam 1</b>

## Exam 2 Material

Week	Topic	Pages Adams	Pages Haveles	Pages Whalen	Assignment
<b>Exam 2 covers topics 13 – 27. Download the Exam 2 Study Guide here.</b>					
3	13. Drugs for Heart Failure	348-359	159-163	255-268	
3	14. Drugs for Angina	362-375	163-167	281-289	
3	15. Drugs for Cardiac Arrhythmia	390-402	162-163	269-280	
<b>Drugs Affecting the Blood</b>					
3	16. Physiology Overview: The Blood	405-408	-	291-294	
3	17. Cholesterol - Lowering Drugs	286-297	178-180	311-323	
3	18. Anticoagulant Drugs	408-420	180-185	294-307	Week 3 Question Set
4	19. Vitamins, Minerals, etc.	635-652	-	-	
<b>Endocrine Pharmacology</b>					
4	20. Physiology Overview: The Endocrine System	657-663	-	-	
4	21. Drugs for Diabetes	679-692	233-243	335-350	
4	22. Drugs for Thyroid Disorders	664-669	246-247	325-333	
4	23. Physiology Overview: The Reproductive System	694-695	-	-	
4	24. Estrogens and Female Reproductive Drugs	695-713	247-251	351-360	
4	25. Androgens and Male Reproductive Drugs	714-727	251-253	360-362	
<b>Nervous System Pharmacology</b>					
4	26. Physiology Overview: CNS Neurotransmitters	-	-		
4	27. Local Anesthetics	244-250	101-115	147-150	Week 4 Question Set
4	Sample Questions for Exam 2				Sample Qs
5	<b>Exam 2: Monday, June 15, 2015 covers topics 13 – 27</b>				<b>Exam 2</b>

### Exam 3 Material

Week	Topic	Pages Adams	Pages Haveles	Pages Whalen	Assignment
<b>Exam 3 covers topics 28 – 39. Download the <a href="#">Exam 3 Study Guide</a> here.</b>					
5	28. General Anesthetics	250-258	116-122	171-185	
5	29. Neuromuscular Blocking Drugs, Muscle Relaxants	274-283	131-134	70-73	
5	30. Sedatives and Hypnotics	155-169	123-134	121-131	
5	31. Pain Relievers: Opioid Analgesics	222-231	60-69	191-204	
5	32. Pain Relievers: Non - Steroidal Antiinflammatory Drugs	231-241 459-470	46-59	447-457 464-469	Week 5 Question Set
6	33. Drugs for Epilepsy	171-186	193-201	157-170	
6	34. Drugs for Parkinson's Disease	260-264	-	109-115	
6	35. Drugs for Alzheimer's Disease	264-270	-	115-116	
6	36. Drugs for Schizophrenia	209-220	203-207	147-155	
6	37. Drugs for Depression	188-197	207-210	135-145	
6	38. Drugs for Bipolar Disorder	197-202	210-211	143	
6	39. Drugs for Anxiety Disorders	155-169	123-134	121-125	Week 6 Question Set
6	Sample Questions for Exam 3				Study Guide
7	<b>Exam 3: Monday, June 29, 2015 covers topics 28 – 39</b>				<b>Exam 3</b>

## Exam 4 Material

Week	Topic	Pages Adams	Pages Haveles	Pages Whalen	Assignment
<b>Exam 4 covers topics 40 – 49. Download the <a href="#">Exam 4 Study Guide</a> here.</b>					
7	40. Drugs for Attention Deficit - Hyperactivity Disorder	202-202	-	218-221	
7	41. Drugs of Abuse	107-117	282-294	205-213	
<b>Immune Pharmacology</b>					
7	42. Physiology Overview: The Immune System	441-462			Week 7 Question Set
8	43. Drugs for Allergy	568-582	228-232	393-397	
8	44. Drugs for Asthma & COPD	585-598	220-232	381-392	
8	45. Drugs for Arthritis	741-748	-	450-464	
<b>Chemotherapy</b>					
8	46. Principles of Chemotherapy	541-564	-	471-481	
8	47. Antibiotics	473-499	70-92	483-523	
8	48. Antifungal Drugs	502-510	93-95	535-546	
8	49. Antiviral Drugs	521-539	95-100	567-585	Week 8 Question Set
8	Sample Questions for Exam 4				Study Guide
9	<b>Exam 4: Monday, July 13, 2015 covers topics 40 - 49</b>				<b>Exam 4</b>

### Final Exam Material

Week	Topic	Pages Abrams	Pages Haveles	Pages Whalen	Assignment
<b>The Final Exam covers topics 50 – 55 plus comprehensive information on the previous material. Download the Final Exam Study Guide here.</b>					
<b>Drugs for Other Organ Systems</b>					
9	50. Cancer Chemotherapy	542-564	254-261	587-617	
9	51. Drugs for Gastrointestinal Disorders	602-633	186-192	401-413	
9	52. Drugs for Eye Disorders	768-777	-	-	
9	53. Drugs for Skin Disorders	751-766	-	431-439	
9	54. Drugs for Bone Disorders	731-740	-	441-445	
9	55. Toxicology	119-129	-	631-640	
9	Sample Questions for Final				Sample Qs
9	<b>Final Exam: Monday, July 20, 2015</b> <b>40 points on topics 50 - 55</b> <b>120 points comprehensive</b>				<b>Final Exam</b>