

## Principles of General and Autonomic Pharmacology

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## Notices

- Dr. Biskobing, M-2 Curriculum Coordinator Thurs. Jul. 29<sup>th</sup>, 11:50am
- Dr. Messmer, Wed. Jul. 30<sup>th</sup>, 11:50am
- Pizza luncheon, Thurs. Jul 29<sup>th</sup>, 12-1pm, MSB 104/105

## Reference Material

- Basic and Clinical Pharmacology by Katzung, 9th edition, 2004, paperback (required text) (\$50)
- Goodman and Gilman's The Pharmacological Basis of Therapeutics, 10th edition, 2001 (optional text) (\$140)

## Tips for Drug Learning

- Learn agents by drug classes  
ie. beta-blockers, Ca<sup>++</sup>-blockers etc
- Key points:
  - Clinical application
  - Mechanism of action
  - Drug of choice (DOC)  
ie. epinephrine (anaphylaxis)
  - Prototype drugs  
ie. propranolol, atropine
  - Important drug/drug interactions  
ie. cardiac glycosides & thiazides
  - Adverse drug reactions  
ie. beta-blockers – asthma
  - Do not focus on dosage

## Pharmacology Syllabus

- Approx. 200 pages
- Summary sheets for most Pharmacology instructors
- Not a substitute for syllabus, but lists the main points or features
- Requires knowledge of syllabus

## Principles of Pharmacology Faculty

Dr. Ishac	Autonomic pharmacology & NMJ
Dr. Lamb	Mechanisms of drug action, absorption, excretion, interactions, PharmKin workshops (ADME)
Dr. Welch	Pain control, opioids, NSAIDs, PGs
Dr. Damaj	Dose response, pharmacogenetics, drug modification, regulation
Dr. Lichtman	Antihistamines, herbal products
Dr. Nagarkatti	Toxicology introduction
Dr. Reinders	Pharmaceutical industry

### Alternative learning resources

- Principles of General and Autonomic Pharmacology - PharmKin (Pharmacokinetics, etc.)
- Cardiovascular Course (Spring) - Sicilian Gambit (interactive CD, anti-dysrhythmics)
- Micromedex and MD Consult  
These are drug and patient databases available through the VCU Library web

### Alternate M2 Pharmacology website

- <http://www.courses.vcu.edu/ptxed/m2>
- Contains: practice questions (ANS), faqs, audio review of the cardiovascular system, online Powerpoint presentations, glossary. PDF and other downloads

### Examinations and Grading

- Final grade is determined by your performance on all pharmacology questions during the year
- Pharmacology questions are identified on each exam (Pharmtox). Questions will count as part of your grade in each course (GI, CNS, Renal, etc..) and then combined to determine your final pharmacology grade

### Faculty

Name	Course	Name	Course
Balster	Behavioral	Lamb	Principles
Costanzo	Renal	Lichtman	Principles
Damaj	Principles	P Nagarkatti	Principles
Egle	Microbiology Cardiovascular	Ritter	Cardiovascular
Gewirtz	Hem/Oncology	Robinson	CNS
Hylemon	Microbiology	Satin	Cardiovascular
Ishac	Principles	Smith	GI
		Welch	Principles Womens Health
	Miles		Respiratory

### Pharmacology questions for 2004-05

Pharmacology	97 questions	
Pathogenesis	4 questions	
Microbiology	36 questions	
Hematology	11 questions	
Endocrine	18 questions	
Renal	24 questions	
Respiratory	8 questions	
Cardiovascular	28 questions	
Central Nervous System	18 questions	
Behavioral Sciences	27 questions	
Women's Health	19 questions	
GI	10 questions	
Musculoskeletal	12 questions	
		<b>Total</b>
		<b>312 Questions</b>

### Exam Results

Total pharmacology questions in various courses = 312 (class avg = 85.6)

Total all M-II questions 1430 (class avg = 84.5)  
Pharmacology % of total – 21.8%

2003-04: Honors (27) High Pass (54)  
Pass (111) Marginal (0)  
Fail (0)

## Pharmacology Examination

- The exam will be on Friday Aug. 6<sup>th</sup> 8am-12noon in MSB
- It will be a paper exam not electronic
- The test will be multiple choice questions
- It will consist of 100 multiple choice questions

## PharmKin Workshops

- Dr. Lamb
- 6 Workgroups
- Tompkins-McCaw library (2<sup>nd</sup> fl., Rm 2-006)
- Wed., Thurs. & Fri.
- 1-2:30pm & 2:30-4pm
- Online Signup sheets
- 32 students/workgroup
- Must attend 1 workgroup

## Pizza Luncheon

Thurs Jul 29<sup>th</sup>, 12 noon to 1 pm in MSB 104/105

