

Pharmacology 1 (1203363)

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❖ Office Hours:

- To be arranged
- by appointment

Course Description

- ❖ 3 Credit hours
- ❖ Syllabus
- ❖ Pre-requisite course
- ❖ Quiz 1, quiz 2 (10 marks each)

Week

Topic

I. BASIC PRINCIPLES

Week 1– week 3

1. Introduction to pharmacology
2. Pharmacokinetics
3. Pharmacodynamics

II. AUTONOMIC DRUGS

Week 3- week 7

4. Introduction to Autonomic Pharmacology
5. Cholinoceptor-activating & cholinesterase-inhibiting drugs
6. Cholinoceptor blocking drugs
7. Adrenoceptor-agonists & sympathomimetic drugs
8. Adrenoceptor Antagonist Drugs

III. CARDIOVASCULAR-RENAL DRUGS

Week 7- week 12

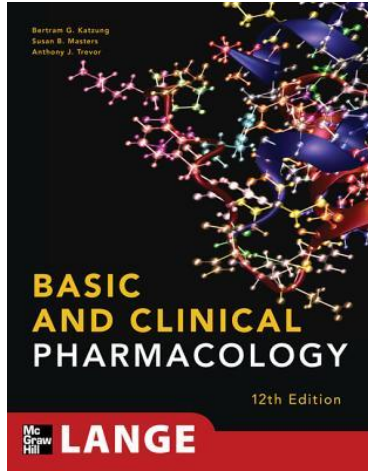
9. Diuretic Agents
10. Antihypertensive Agents
11. Vasodilators & treatment of Angina Pectoris
12. Drugs used in Heart failure
13. Agents used in Cardiac Arrhythmias

IV. DRUGS USED TO TREAT DISEASES OF THE BLOOD, INFLAMMATION, & GOUT

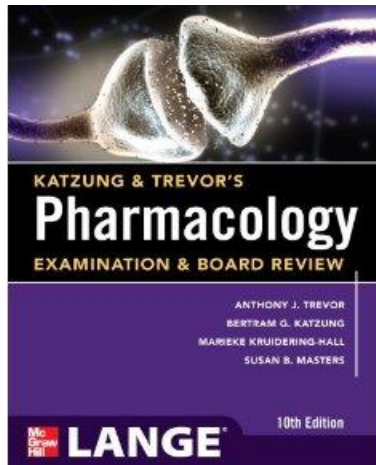
Week 12- Week 16

14. Agents used in Hyperlipidemia
15. Drugs used in disorders of coagulation
16. Agents used in Anemias; hematopoietic growth factors
17. NSAIDs, disease-modifying antirheumatic drugs, nonopioid analgesics, & drugs used in Gout

Reference textbooks

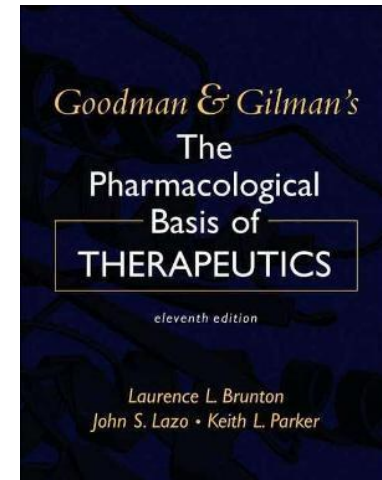
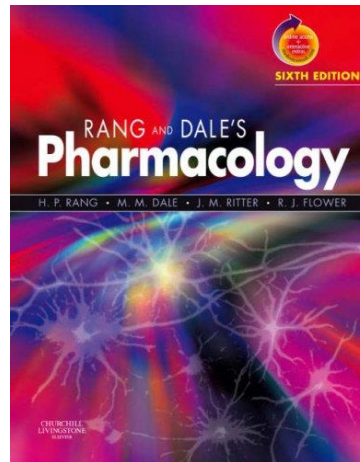
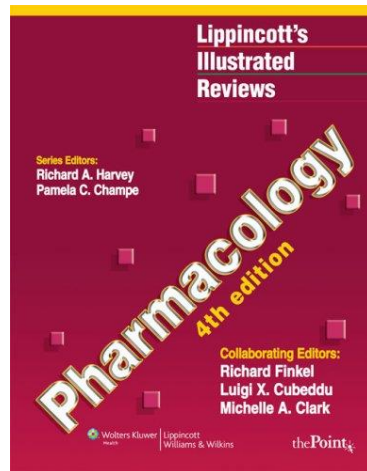


- Basic and Clinical Pharmacology by Katzung, 12th edition, 2012, paperback (required text)



- Katzung & Trevor's Pharmacology: Examination & Board Review, 10th edition

Recommended/ suggested reading



Classroom Standards

- ❖ Be the best student you can possibly be!!
- ❖ Cell phones silenced please!
- ❖ All socialization is to be done outside the lectures!
- ❖ Otherwise.....refer back to the university rules, policies, and procedures
- ❖ You are responsible for all material covered in the class
- ❖ Any concerns???
- ❖ Ask questions. Ask lots of questions!!

Why Do We Study Pharmacology?

- *A competent pharmacist must understand **WHY** his/her patient is getting a medication, and **HOW IT WORKS***

Why Do We Study Pharmacology?

- **Drug classification**: major organs system impacted by medications
- What is the molecular **site of action**?
- What are the **changes caused by a drug** in the normal function of tissues and organs?
- What is the **relationship** between the **dose** of a drug and its **effect**?
- **How** do drugs produce their effects?
- **What** happens to drugs once they enter the body?

10 Tips for Pharmacology!

1. **Make time to study!**

2. **Practice with questions**

Practice critical thinking and test-taking strategies

3. **Know your drugs!**

I like flash cards. Some people like writing things 10 times. Do whatever works for you!

4. **Separate drugs into classes....prototype!**

5.

For example: Beta Blockers

5. **Seek additional resources**

Quick reference cards, videos, drug books and more...

10 Tips for Pharmacology!

6. Concept building is your friend!

7. Make up silly ways to remember things.

“Uncle Don has Alzheimer’s so he takes DONepezil.” I’ll never forget that one!

8. ASK! Ask a lot of questions!!!

We are here for you, and we want to help you! Office hours or schedule an appointment

9. Apply the concepts of pharmacology to the development of better skills in patients assessment and management

10. Keep your knowledge base current!