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PHAR 595.01: Therapeutics III

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Pharmacy 552 & 595 B.S. : Therapeutics III (+) Fall 2000

Lectures: M-W-Th-F 0910-1000 Rm 111, Skaggs Building
(note: Fri-Mon joint lectures with Pharm.D class in SB114)
(note: 595 lectures on Thurs 1010-1100 in SB 336)

Course Coordinator: Michael Rivey == == > M. Rivey
Instructors: Douglas Allington Office: 243-6796
Rose Macklin Community Hosp: 728-4100
Cathy Bartels ext. 7605
Sarah Miller Pager: 329-6122
Gayle Cochran Home: 251-3369
Donna Beall Larry Dent
Lee Ann Bradley Vince Colucci
William Docktor

Material and Resources

Required Texts: DiPiro *Pharmacotherapy, 4th edition*
Pray *Nonprescription Product Therapeutics* or APhA: *Handbook of Nonprescription Drugs*
Medical Letter on Drugs & Therapeutics
Goodman & Gilman's *Pharmacological Basis of Therapeutics*
Boh *Clinical Clerkship Manual*
A medical dictionary

Optional Texts: Murphy: *Clinical Pharmacokinetics pocket reference*
Evans: *Applied Pharmacokinetics*
Young, Koda-Kimble: *Applied Therapeutics*
Herfindal, Gourley, Hart: *Clinical Pharmacy and Therapeutics*
Hansten & Horn: *Drug Interactions*
Pagana & Pagana: *Diagnostic & Lab Test Ref.*, or other lab. text

Goals of the Course

To promote the students' understanding of common disease states with particular emphasis on the facets of diseases that are amenable to drug therapy.

To familiarize the student with the proper use of drugs in a clinical setting.

To develop the students' awareness of factors that should be considered prior to selection of a drug and the appropriate parameters that should be monitored for therapeutic as well as undesired effects.

To encourage the students' ability to problem-solve in the clinical setting.

GRADING IN COURSE: Phar 552-BS Therapeutics

3 midterm exams: 100 points each	300 points
Final exam (comprehensive, multiple choice) (100 pts comprehensive, 30 pts over last 6 lectures)	130 points
Topic quizzes: 8 quizzes graded on 10 pts each	<u>Bonus pts > 75%</u>
TOTAL POINTS FOR COURSE	430 POINTS

Class quizzes: The purposes of the quizzes are to promote reading of the text before a topic and encourage class attendance and attention. Quizzes will occur after topic lectures and will test understanding of basic concepts in the reading assignments as well as issues discussed or emphasized in lecture. A quiz will consist of 5 multiple choice or true/false questions, each worth 2 points. **Quiz on syllabus** indicates a quiz will be given for the overall topic at end of the given lecture. Lowest 2 quiz grades will be thrown out; **no make-ups will be allowed** for quiz. **Scoring:** Quiz performance can only benefit student; bonus points for the course will be awarded for all points over 75% (i.e. 60 pts) of the potential total 80 pts on the quizzes (10 total quizzes - 2 throw-outs = 8x10 pts)

NOTE: Reading assignments are from DiPiro (4th edition) & Pray books

Integrated Studies Conferences: you will be assigned to a conference based on period you registered for; instructors are not necessarily the ones under which you registered. Attendance/make-up is **required** for all topics/cases; you may attend a different conference in order to complete the assignment, with instructor permission. The "make-up" requirement for a conference will be at the discretion of the instructor, dependent on the topic.

Exams:

3 midterm exams: Tests will be in "traditional" case report fashion with short answers required. Tests will be given during a "common" time period of 8-10AM on select Thursdays. B.S. and Pharm.D. classes will take tests simultaneously.

Final exam: 65 multiple choice questions worth 2 pts each. Effort will be made to design questions in the style similar to the NAPLEX exam.

Class civility: Your **student colleagues** have strongly indicated to us that they wish to spend their valuable time in class listening to therapeutics topics. They **do not** appreciate any "side" conversations while the instructor is lecturing. They **do** appreciate students raising questions about important lecture aspects for further discussion or clarification.

Out of respect for your classmates, we will not tolerate excessive and disruptive talking during lecture. The instructor may first ask you to be silent; you may be asked to leave class if you persist in disruptive talking. The instructor will be the judge of "what" constitutes disruption. Please note that we **encourage** questions and relevant discussion.

Performance Objectives

Upon completion of this course, each student shall be able to:

Relate the pathophysiology of a disease to the known or purported action of a drug.

Evaluate the seriousness of a disorder based on the signs and symptoms related to a diagnosed problem, and:

- determine the necessity of drug therapy,
- when applicable, choose the proper drug and/or drug product for the situation.

Determine the place of non-pharmacologic and natural therapies, when applicable.

Tailor the drug therapy of an individual based on patient characteristics and known pharmacokinetics principles.

Identify potential drug-drug interactions.

Monitor the appropriate parameters of a disease to determine if the patient is responding positively to therapy.

Monitor for adverse drug reactions and exacerbations of underlying patient problems resulting from drug therapy.

Student Responsibilities and Obligations

- * To attend and participate in lecture sessions.
- * To do assigned readings from the texts.
- * To attend Integrated Studies conferences, prepare each case in advance, prepare to present a patient case, and participate in the discussion of all patient presentations.
- * To perform satisfactorily on course quizzes and lecture examinations.

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Therapeutics III 552 B.S. & Phar 595 supplemental course: Lecture Syllabus

		Instructor	Reading (DiPiro, Pray)
Sept	6W	Introduction/ Liver disease	MPR
	7Th	Liver disease	MPR 35, 38
	7Th	Liver disease (10AM in SB 114)	MPR (595)
	8F	Renal disease (10AM in SB 114)	DRA 40
	11M	Renal disease/ quiz	DRA 42
	13W	Hypertension	LAD JNC-6
	14Th	HTN	LAD 10
	14Th	HTN	LAD (595)
	15F	Pain Management (10 AM SB114)	LAB 56, OTC 18
	18M	Pain mgmt (10AM SB114)/ quiz	LAB
	20W	Hyperlipidemia	LAD 19
	21Th	Hyperlipidemia	LAD
	21Th	Drug Literature Evaluation	CLB (595)
	22F	Headache (10AM SB 114)	DB 57
	25M	Headache (10AM SB 114)	DB OTC 18
	27W	Congestive Heart Failure	VJC 11
	28Th	CHF/ quiz (10-11AM)	VJC
	28Th	Drug Literature Evaluation (9-10AM)	CLB (595)
	29F	Digoxin kinetics	VJC
Oct	2M	Dig. PK	VJC
	4W	OFF DAY; CAREER FAIR	
	5Th	Test 1 at 8-10AM in SB 114; through Digoxin PK	Digoxin PK
	5Th	Drug Literature Evaluation	CLB (595)
	6F	Coronary artery disease	VJC 12
	9M	CAD	VJC
	11W	Dysrhythmias	VJC 14
	12Th	Arthritis	MPR 83,84
	12Th	Arthritis	MPR (595)
	13F	Arthritis/ quiz	MPR OTC 18,20
	16M	Contraception	DB OTC 43
	18W	Contraception/ quiz	DB 76
	19Th	Diabetes mellitis	LRM 70
	19Th	Contraception/ quiz	DB (595)
	20F	DM	LRM

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Oct	23M	DM/ quiz	LRM	OTC 46
	25W	Menopause	GAC	78
	26Th	Menopause	GAC	
	26Th	Drug Literature Evaluation	CLB (595)	
	27F	Osteoporosis (10AM in SB 114)	GAC	82, OTC pp.711,713
Nov	30M	Osteoporosis (10AM in SB 114)	GAC	
	1W	Dementia	GAC	61
	2Th	Test 2 at 8-10AM in SB 114; through osteoporosis		
	2Th	Drug Literature Evaluation	CLB (595)	
	3F	Fluid & electrolytes	SJM	DiPiro pp, 890-901
	6M	Fluid & electrolytes	SJM	pp. 902-16
	8W	Nutrition	SJM	
	9Th	Oncology overview	CLB	DiPiro pp.2013-41
	9Th	Drug Literature Evaluation	CLB (595)	
	10F	VETERANS DAY HOLIDAY		
	13M	Oncology	CLB	
	15W	Nausea & vomiting	LAB	33, OTC 5
	16Th	Seizure disorders	DRA	52
16Th	Seizure dx/ quiz	DRA (595)		
17F	Anticonvulsant kinetics	DRA		
20M	Thromboembolic dx (10AM in SB114)	MPR	17	
22W	OFF; TRAVEL DAY			
23Th	THANKSGIVING HOLIDAY			
24F	" "			
27M	TED (10AM in SB 114)/ quiz	MPR		
29W	Stroke	MPR	18	
30Th	Thyroid disorders	MPR	71	
30Th	Biostatistics overview	TPS (595)		
Dec	1F	Obstructive Airways Disease (10AM in SB 114)	DRA	24, OTC 17
	4M	OAD (10 AM in SB 114) / quiz	DRA	25
	6W	Theophylline kinetics	DRA	
	7Th	test 3 at 8-10AM in SB 114; through OAD		
	7Th	Biostatistics overview	TPS (595)	
	8F	Anxiety/sleep disorders	WJD	67,69, OTC 24

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11M	Attention deficit disorder	WJD	DiPiro pp. 1046-49
13W	CLASS EVALUATION/ gout	MPR	85
14Th	Depression	WJD	65
14Th	Biostatistics overview	TPS (595)	
15F	Depression/ quiz	WJD	

Phar 552-BS Final: test 4, 130 pts comprehensive multiple choice NAPLEX/PSAP format

NOTE: class will meet at 10AM on certain Mondays and Fridays throughout the semester

Pharmacy 595: supplemental course

Phar 595: Course is 1-hour Thursday session to supplement Ther-III and cover other topics not in B.S. curriculum in an overview fashion. It is graded course

Schedule: merged to above syllabus (weekly on Thurs at 1010-1100 in SB 336)

Instructors: various Therapeutics instructors
Cathy Bartels
Tim Stratton

Grading in Phar 595:

6/14 of course grade: project in Drug Literature Evaluation
3/14 of course grade: biostatistics questions on Final Exam (add-on questions)
5/14 of course grade: grade obtained in Ther. Phar 552 course

Integrated Studies Phar 574

I. Conference topics

Group 1: SB 337 Tues 0910-1100 Colucci
 Group 2: SB 215 " " Rivey

week of:

September	4M	no conference
	11M	Liver disease case
	18M	Hypertension case
	25M	Headache/pain management
October	2M	Digoxin kinetics
	9M	service learning update: J-club for ½ of class
	16M	OTC cases
	23M	Contraception
	30M	Diabetes
November	6M	service learning update: J-club for other ½ of class
	13M	SEMINARS
	20M	off week- holiday week
	27M	TED case
December	4M	OAD case
	11M	OTC cases

Seminar: A required activity in the course, graded on a pass/no-pass basis. Student must repeat a no-pass seminar to successfully pass course.