

PHAR 7688
Professional Year 4 (P4) Capstone Course
Fall/Spring Semester 2022-2023

Course Description

This course reviews core topics that students will need to demonstrate competency to serve as an effective entry-level pharmacist.

Additional Course Information

This course reviews relevant topics included in the North American Pharmacist Licensure Examination (NAPLEX) and Multistate Pharmacy Jurisprudence Examination (MPJE) blueprint to prepare students for the exam. Students will be reviewing all competency areas outlined by the NAPLEX's blueprint such as drug knowledge and disease state knowledge. This course provides an overview of all necessary knowledge and skills to ensure students have a strong understanding of all the competency statements outlined by the National Association of Boards of Pharmacy.

Course Credit: 6 credit hours

Pre-Requisites: Current P4 standing

Co-Requisites: none

Class Meeting Days, Time & Location: Monday, 4/24/2023 through Friday, 4/28/2023 from 9AM to 5 PM; W.T. Brookshire Hall room TBD

Fall Semester Course Coordinator:

Cindy Yang, Pharm.D., BCPS
W.T. Brookshire Hall Room 251
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Office hours: TBD
Preferred method of contact: Email

Spring Semester Course Coordinator:

Jose Vega, Pharm.D.
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Office hours: 12 pm – 1 pm Monday, 11 am – 12 pm Tuesday, open door, and by appointment
Preferred method of contact: email

Fisch College of Pharmacy (FCOP) and UT Tyler Policies

This is part 1 of the syllabus. Part 2 contains UT Tyler and the FCOP course policies and procedures. These are available as a PDF at <https://www.uttyler.edu/pharmacy/academic-affairs/files/fcop-syllabus-policies.pdf>. For experiential courses (i.e., IPPE and/or APPE), the Experiential Manual contains additional policies and instructions that supplement the Syllabus Part 1 and 2. Please note, the experiential manual may contain policies with different deadlines and/or instructions. The manual should be followed in these cases.

Required Materials

Most course required materials are available through the Robert R. Muntz Library. These materials are available either online* (<http://library.utt Tyler.edu/>) or on reserve.

1. 2023 NAPLEX Course book. RxPrep.
2. RxPrep online videos
3. Top 200 drug cards
4. Other required materials will be posted on the classes' Canvas site. The site address is: utt Tyler.edu/canvas.

Recommended Materials

None

Course Format

The course may include, but are not limited to, the following activities:

1. Independent study of assigned modules
2. Individual completion of online quizzes

Course Learning Outcomes (CLOs)

CLOs	PLO(s) Assessed for this CLO (1-15)	EPAs (1.1-6.1)	Assessment Methods	Grading Method	ACPE Std. 11 & 12 (1-4)
1. Obtain, interpret, or assess data, medical, or patient Information	1,4,5,10	1.1,1.2,3.1,3.4	1	Exam	-
2. Identify drug characteristics	1	3.2	1	Exam	-
3. Develop or manage treatment plans	1,2,4,5,6,7	1.2,1.3, 1.5,3.4,4.2	1	Exam	-
4. Perform calculations	1	3.2, 5.2	1	Exam	-
5. Assess compounding, dispensing, or administering drugs, or managing delivery systems	1	5.1,5.2	1	Exam	-
6. Develop or manage practice or medication-use systems to ensure safety and quality	1,3,8,9	1.4,1.5,2.1,3.2,3.3,3.4,4.1	1	Exam	-

Course Assessment Methods

	Assessment Method	Description <i>Please provide a brief description of each summative assessment that you plan to use in this course to allow us to identify which ACPE standards are being assessed</i>
1	Final Exam Multiple Choice or Multiple Selection Question(s)	<i>Standard MCQ and Select All that apply questions.</i>
2	Comprehensive Case	<i>Comprehensive case with series of MCQ questions regarding case</i>
3	Open ended questions	<i>Fill in the blank</i>

Grading Policy & Grade Calculation

During the time the course is in progress, students whose cumulative course percentage falls below 70.0% may receive an academic alert and be subject to periodic course content review in special sessions with the course instructor(s).

All examinations, tests, and assignments, including the final examination, may be **cumulative**. Students are responsible for material presented during the prior courses. The grading scale for all graded material is below. The final course grade will be assigned according to the calculated percentage and the percentages will not be rounded upward or downward. For additional information, see examination/assessment policy below.

Standard Grade Calculation*

Individual Assessments: 100%	
RxPrep chapter tests	15%
Assessment 1	17%
Assessment 2	17%
Assessment 3	17%
Assessment 4	17%
Assessment 5	17%
Total	100%

****The final course letter grade will be determined according to the following grading scheme:***

A	90 - 100 %
B	80 - 89.999 %
C	70 - 79.999 %
D	65.0 - 69.999 %
F	< 65.0 %

Additional grading information:

- Only the first RxPrep Chapter Test attempt grade will be used for the RxPrep Chapter Test grade calculation.
- All students must achieve a score of 85% or greater on each of the RxPrep Chapter Tests to be cleared to take any Assessment that covers related material.
- Makeup exams will be administered for excused absences only at the discretion of the course team.
- Unexcused absences and students who are not cleared to take the exam will receive a score of 0% for the assigned Assessment.
- **Students must pass the Pre-NAPLEX Final Exam with a minimum scaled score of 75 and a score of 70% or greater in the class to successfully complete the course.**
- **Students who failed the Pre-NAPLEX will be given a second attempt final exam by the end of block 8. Student must pass the second attempt final exam with a score of 70% or greater to pass the course. If the student failed the second attempt final exam, the students will need to repeat this course in block 1 of the next academic cycle.**

PHAR 7688 Course Schedule

ROTATION	WEEK / DAY	TOPIC (RxPrep)	VIDEO(S) (min)	CLO ¹	Disease States
3	1 8/15	Lab Values & Drug Monitoring (p. 67) Drug References (p. 77) Tests due: 8/21 at 11:59 PM	95	1	-
3	2 8/22	Drug Formulations & Patient Counseling (p. 86) Test due: 8/28 at 11:59 PM	64	2	-
3	3 8/29	Intravenous Medication Principles (p. 99) Test due: 9/4 at 11:59 PM	49	2	-
3	4 9/5	Answering Case-Based Exam Questions (p. 106) Test due: 9/11 at 11:59 PM	30	1,3	-
3	5 9/12	Calculations I: Math Basics (p. 116) Test due: 9/18 at 11:59 PM	44	4	-
3	6 9/19	Calculations II: Compounding (p. 128) Test due: 9/25 at 11:59 PM	54	4	-
4	7 9/26	Calculations III: Parenteral & Enteral Nutrition (p. 149) Test due: 10/2 at 11:59 PM	52	4	-
4	8 10/3	Calculations IV: Clinical (p. 169) Test due: 10/9 at 11:59 PM	50	4	-
4	9 10/10	Biostatistics (p. 201) Tests due: 10/16 at 11:59 PM	106	4	-
4	10 10/17	Renal Disease (p. 284) Test due: 10/23 at 11:59 PM	60	1-6	S04.01 S04.02
4	11 10/24	Hepatitis & Liver Disease (p. 296) Test due: 10/30 at 11:59 PM	41	1-6	S03.04 S03.06
4	12 10/31	Infectious Diseases I: Background & Antibiotics by Drug Class (p. 336) Tests due: 11/6 at 11:59 PM	132	1-6	S15.01
5	13 11/7	Infectious Diseases II: Bacterial Infections (p. 368) Tests due: 11/13 at 11:59 PM	105	1-6	S15.02 S15.03 S15.04 S15.06 S15.08 S15.09A&B S15.11 S15.12
5	14 11/14	Dyslipidemia (p. 422) Tests due: 11/20 at 11:59 PM	53	1-6	S01.08
5	15 11/21	Hypertension (p. 434) Test due: 11/27 at 11:59 PM	61	1-6	S01.01
5	16 11/28	Acute Coronary Syndromes (p. 455) Test due: 12/4 at 11:59 PM	38	1-6	S01.04
5	17 12/5	Chronic Heart Failure (p. 463) Test due: 12/11 at 11:59 PM	47	1-6	S01.02
5	18 12/12	Stroke (p. 490) Test due: 12/18 at 11:59 PM	29	1-6	S01.09
	Mon 12/19	Assessment 1: Over Week 1- Week 18 Material and Top Sellers Proctored Exam			
	20	None			

	12/26				
	21 1/2	None			
6	22 1/9	Anticoagulation (p. 498) Tests due: 1/15 at 11:59 PM	74	1-6	S01.06 (VTE), S19.06 (antidotes)
6	23 1/16	Asthma (p. 571) Test due: 1/22 at 11:59 PM	81	1-6	S02.01
6	24 1/23	Chronic Obstructive Pulmonary Disease (p. 588) Test due: 1/29 at 11:59 PM	24	1-6	S02.02
6	25 1/30	Tobacco Cessation (p. 598) Test due: 2/5 at 11:59 PM	30	1-6	S06.14
6	26 2/6	Diabetes (p. 604) Tests due: 2/12 at 11:59 PM	185	1-6	S04.07
6	27 2/13	Systemic Steroids & Autoimmune Conditions (p. 634) Test due: 2/19 at 11:59 PM	83	1-6	S05.12
7	28 2/20	Pain (p. 752) Tests due: 2/26 at 11:59 PM	73	1-6	S05.06
7	29 2/27	Depression (p. 834) Anxiety Disorders (p. 864) Tests due: 3/5 at 11:59 PM	114	1-6	S06.03 S06.13
7	30 3/6	Seizures/Epilepsy (p. 886) Test due: 3/12 at 11:59 PM	58	1-6	S05.03
7	31 3/13	Drug Allergies & Adverse Drug Reactions (p. 947) Test due: 3/19 at 11:59 PM	58	2	-
7	32 3/20	Compounding I: Basics (p. 226) Tests due: 3/26 at 11:59 PM	123	5	-
7	33 3/27	Compounding II: Equipment, Stability, & Excipients (p. 248) Tests due: 4/2 at 11:59 PM	111	5	-
ROTATION / WEEK	DAY	TOPIC (RxPrep)	VIDEO(S) (min)		
8 34	Mon 4/3	Assessment 2: Over Week 22- Week 33 Material and Top Sellers Proctored Exam			
		Basic Science Concepts (p. 42) Drug Interactions (p. 53)	149	2	-
	Tue 4/4	Compounding III: Documentation & Preparation (p. 265) Immunizations (p. 310)	250	5	- S15.19
	Wed 4/5	Travelers (p. 327) Infectious Disease III: Antifungals & Antivirals (p. 389) Infectious Disease IV: Opportunistic Infections (p. 403) Human Immunodeficiency Virus (p. 406)	207	1-6	S15.18 S15.05A&B, 15.13 S15.14 S15.15
	Thu 4/6	Ischemic Heart Disease (p. 449) Arrhythmias (p. 478) Anemia (p. 516) Sickle Cell Disease (p. 523) Allergic Rhinitis, Cough & Cold (p. 530)	204	1-6	S01.03 S01.05 S14.01 S14.03 S12.01
	Fri	Common Conditions of the Eyes and Ears (p. 540)	213	1-6	S12.01-12.20

	4/7	Common Skin Conditions (p. 546) Pulmonary Arterial Hypertension (p. 564) Thyroid Disorders (p. 627) Contraception & Infertility (p. 656)			- S01.17 S07.05/S07.06 S08.01
8 35	Mon 4/10	Assessment 3: Over Prior Week's Material Proctored Exam			
	Tue 4/11	Drug Use in Pregnancy & Lactation (p. 669) Osteoporosis, Menopause & Testosterone Use (p. 675) Sexual Dysfunction (p. 689) Benign Prostatic Hyperplasia (p. 694)	206	1-6	S08.04 S11.04/S08.03 S08.12 S09.02
	Wed 4/12	Urinary Incontinence (p. 699) Acute & Critical Care Medicine (p. 706) Pediatric Conditions (p. 721) Cystic Fibrosis (p. 731) Transplant (p. 736)	228	1-6	S09.03 S18.10-S18.29 S18.02,1-18.05, 18.22-18.27 S02.03 S10.02
	Thu 4/13	Weigh Loss (p. 745) Migraine (p. 773) Gout (p. 781) Oncology I: Overview & Side Effects Management (p. 788)	196	1-6	S17.04 (overweight/o besity) S05.07 S11.03 S16.01, 16.05, 16.16
	Fri 4/14	Oncology II: Common Cancer Types & Treatments (p. 807) Schizophrenia/ Psychosis (p. 845) Bipolar Disorder (p. 853)	237	1-6	S16.02- SS16.04, S16.06-16.15 S06.02 S06.04
8 36	Mon 4/17	Assessment 4: Over Prior Week's Material Proctored Exam			
	Tue 4/18	Attention Deficit Hyperactivity Disorder (p. 857) Sleep Disorder (p. 868) Parkinson Disease (p. 876) Alzheimer's Disease (p. 881) Gastroesophageal Reflux Disease & Peptic Ulcer Disease (p. 902)	204	1-6	S06.01 S06.05 S05.05 S05.01 S03.01 & S 03.02
	Wed 4/19	Constipation & Diarrhea (p. 911) Inflammatory Bowel Disease (p. 921) Motion Sickness (p. 928) Medication Safety & Quality Improvement (p. 932)	225	1-6	S03.07 & S03.08 S03.10
	Thu 4/20	Pharmacokinetics (p. 956) Pharmacogenomics (p. 968) Dietary Supplements, Natural & Complementary Medicine (p. 973) Toxicology & Antidotes (p. 982)	167	1-6	- S19.01-19.19, 19.99
	Fri 4/21	Self-Study			
ROTATION / WEEK	DAY	TOPIC (LIVE) (Live Topics for Week 37 Subject to Chage)	INSTRUC TOR		

8 37	Mon 4/24	Assessment 5: Over Prior Week's Material Proctored Exam			
	Tue 4/25	How to Take Case-Based Exams	TBD		
		Tips for Success for Studying	TBD		
		Registering for NAPLEX	TBD		
		Comprehensive Cases	TBD		
	Wed 4/26	Final Assessment: Pre-NAPLEX Final Exam In-Person Exam			
Thu 4/27	Law Review	TBD			
	Fri 4/28	Second-Attempt Self-Study			
8 38	Mon 5/1	Second-Attempt Self-Study			
	Tue 5/2	Second-Attempt Self-Study			
	Wed 5/3	Second-Attempt Self-Study			
	Thu 5/4	Second-Attempt Self-Study			
	Fri 5/5	Second-Attempt Self-Study			
8 39	Mon 5/8	Second-Attempt Self-Study			
	Tue 5/9	Second-Attempt Self-Study			
	Wed 5/10	Second-Attempt Final Assessment In-Person Exam			
	Thu 5/11				
	Fri 5/12				