

PHAR 7688
Professional Year 4 (P4) Capstone Course
Summer/Fall/Spring Semester 2024-2025

Course Description

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

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:

Summer/Fall Semester Course Coordinator:

Pamella Ochoa, Pharm.D.

Office Location: WTB 329

Phone Number: (903) 565-5596

Email: pochoa@uttyler.edu

Office hours: Tuesday, Wednesday, and Thursday, 1:00 pm – 2:00 pm, and by appointment

Preferred method of contact: Email

Spring Semester Course Coordinator:

Jose Vega, Pharm.D.

W.T. Brookshire Hall Room 127

Phone number: 903-565-6581

Cell: 325-829-8982

Email: jvega@uttyler.edu

Office hours: 12 pm – 2 pm Monday, 12 pm – 1 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. 2025 NAPLEX Course book. Uworld/RxPrep.
2. UWorld/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 (1-13) | Assessment Methods | Grading Method | ACPE Std. 11 & 12 (1-4) |
|---|--|---------------------|-----------------------|-------------------|-------------------------------------|
| 1. Obtain, interpret, or assess data, medical, or patient information | 1,4,5,10 | 1,2 | 1,2 | Exam | - |
| 2. Identify drug characteristics | 1 | 1,7 | 1 | Exam | - |
| 3. Develop or manage treatment plans | 1,2,4,5,6,7 | 3,4,6,7,8,9,10 | 1,2 | Exam | - |
| 4. Perform calculations | 1 | 7 | 1,3 | Exam | - |
| 5. Assess compounding, dispensing, or administering drugs, or managing delivery systems | 1 | 7,10,13 | 1,2 | Exam | - |
| 6. Develop or manage practice or medication-use systems to ensure safety and quality | 1,3,8,9 | 3,5,8,9,10,11,12,13 | 1,2 | Exam | - |

Course Assessment Methods

| | Assessment Method | Description |
|---|--|---|
| 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 the 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 who obtain less than 75% on any summative assessment or a total course grade of less than 75% during a particular semester will receive an academic alert from the course coordinator and the Office of Academic Affairs and be subject to weekly in-course remediation 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% |
| UWorld Chapter Tests | 20% |
| Assessment 1 | 20% |
| Assessment 2 | 20% |
| Assessment 3 | 20% |
| Assessment 4 | 20% |
| 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:

- Students will be given multiple attempts on UWorld Chapter Tests. Students must score 85% or greater on each of the UWorld Chapter Tests before the assigned deadline to be cleared to take the Assessment that covers related material.
- UWorld Chapter Tests will be graded on a pass-fail grading score.
 - Students who successfully score 85% or great by the assigned deadline will receive a score of 100% for the UWorld Chapter Test.
 - Students who do not score 85% or great by the assigned deadline will receive a score of 0% for the UWorld Chapter Test.
- Makeup assessments will be administered for excused absences only at the discretion of the course team.
- Unexcused absences will receive a score of 0% for the assigned Assessment.
- All Assessments for the course will be in-person at the FCOP on Back to Campus Days.
- Students must complete the course and attend the MPJE review during Exit Week to take the Pre-NAPLEX Final Assessment.
- Students must pass the Pre-NAPLEX Final Assessment with a minimum scaled score of 75 AND a score of 70% or greater in the class to pass the course.
- Students who score a scaled score less than 75 on the Pre-NAPLEX Final Assessment or score less than a 70% in the class will be given a second chance assessment before block 1 of the next academic cycle. Students must pass the second chance assessment with a score of 70% or greater to pass the course and graduate on time. If the student fails the second chance assessment, the student will need to repeat this course in the summer of the next academic cycle. Students will receive a final course grade as an Incomplete until the course is repeated in the summer.

PHAR 7688 Course Schedule

| ROTATION | WEEK / DAY | TOPIC (UWorld/RxPrep) | CLO ¹ | Disease States |
|----------------------------|------------|---|---|--|
| 1 | 1 5/20 | | | |
| | 2 5/27 | | | |
| | 3 6/3 | Orientation to UWorld Orientation to Capstone Course | | |
| | 4 6/10 | Moderator Pre-Assessment Exam-Ready for NAPLEX Study? | | |
| | 5 6/17 | Answering Case-Based Exam Questions Test due: Sunday at 11:55 pm | 1,3 | |
| | 6 6/24 | Drug References Drug Formulations & Patient Counseling Test due: Sunday at 11:55 pm | 1 2 | |
| | 2 | 7 7/1 | Calculations I: Math Basics Biostatistics Test due: Sunday at 11:55 pm | 4 |
| 8 7/8 | | Calculations II: Compounding Basic Science Concepts Test due: Sunday at 11:55 pm | 4 2 | |
| 9 7/15 | | Calculations III: Parenteral & Enteral Nutrition Lab Values & Drug Monitoring Test due: Sunday at 11:55 pm | 4 1 | |
| 10 7/22 | | Calculations IV: Clinical Intravenous Medication Principles Test due: Sunday at 11:55 pm | 4 2 | |
| 11 7/29 | | Infectious Diseases I: Background & Antibiotics by Drug Class Infectious Diseases II: Bacterial Infections Test due: Sunday at 11:55 pm | 1-6 | S15.01 S15.05A&B S15.02 S15.03 S15.04 S15.06 S15.08 S15.09A&B S15.11 S15.12 |
| 12 8/5 Friday 8/9 | | Study week Assessment 1: Over block 1 and 2 Material and Top Sellers In-person Exam: Back to Campus Day | | |
| 3 | | 13 8/12 | Dyslipidemia Stable Ischemic Heart Disease Test due: Sunday at 11:55 pm | 1-6 |
| | 14 8/19 | Hypertension Allergic Rhinitis, Cough & Cold | 1-6 | S01.01 S12.01 |

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|---|-------------------------------|--|-----|---|
| | | Test due: Sunday at 11:55 pm | | |
| | 15 8/26 | Acute Coronary Syndromes Common Conditions of the Eyes and Ears Test due: Sunday at 11:55 pm | 1-6 | S01.04 S12.01-12.20 |
| | 16 9/2 | Chronic Heart Failure Common Skin Conditions Test due: Sunday at 11:55 pm | 1-6 | S01.02 S12.01-12.20 |
| | 17 9/9 | Anticoagulation Pulmonary Arterial Hypertension Test due: Sunday at 11:55 pm | 1-6 | S01.06 (VTE), S19.06 (antidotes) S01.17 |
| | 18 9/16 | Stroke Thyroid Disorders Test due: Sunday at 11:55 pm | 1-6 | S01.09 S07.05/S07.06 |
| 4 | 19 9/23 | Asthma Contraception & Infertility Test due: Sunday at 11:55 pm | 1-6 | S02.01 S08.01 |
| | 20 9/30 | Chronic Obstructive Pulmonary Disease Drug Use in Pregnancy & Lactation Test due: Sunday at 11:55 pm | 1-6 | S02.02 S08.04 |
| | 21 10/7 | Tobacco Cessation Osteoporosis, Menopause & Testosterone Use Test due: Sunday at 11:55 pm | 1-6 | S06.14 S11.04/S08.03 |
| | 22 10/14 | Diabetes Sexual Dysfunction Test due: Sunday at 11:55 pm | 1-6 | S04.07 S08.12 |
| | 23 10/21 | Systemic Steroids & Autoimmune Conditions Benign Prostatic Hyperplasia Test due: Sunday at 11:55 pm | 1-6 | S05.12 S09.02 |
| | 24 10/28 Friday 11/1 | Study week Assessment 2: Over block 3 and 4 Material and Top Sellers, Calculations In-person Exam: Back to Campus Day | | |
| 5 | 25 11/4 | Depression Hepatitis & Liver Disease Test due: Sunday at 11:55 pm | 1-6 | S06.03 S03.04 S03.06 |
| | 26 11/11 | Seizures/Epilepsy Acute & Critical Care Medicine Test due: Sunday at 11:55 pm | 1-6 | S05.03 S18.10-S18.29 |
| | 27 11/18 | Drug Allergies & Adverse Drug Reactions Pediatric Conditions Test due: Sunday at 11:55 pm | 2 | - S18.02,1-18.05, 18.22-18.27 |
| | 28 11/25 | Compounding I: Basics Cystic Fibrosis Test due: Sunday at 11:55 pm | 5 | - S02.03 |
| | 29 12/2 | Compounding II: Equipment, Stability, & Excipients Transplant Test due: Sunday at 11:55 pm | 5 | - S10.02 |
| | 30 12/9 | Compounding III: Documentation & Preparation Weigh Loss | 5 | - |

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|---|------------------------------|---|----------|--|
| | | Test due: Sunday at 11:55 pm | | S17.04 (overweight/obesity) |
| | 31 12/16 | None | | |
| | 32 12/23 | None | | |
| | 33 12/30 | None | | |
| 6 | 34 1/6 | Renal Disease Arrhythmias Test due: Sunday at 11:55 pm | 1-6 | S04.01 S04.02 |
| | 35 1/13 | Oncology I: Overview & Side Effects Management Oncology II: Common Cancer Types & Treatments Test due: Sunday at 11:55 pm | 1-6 | S16.01, 16.05, 16.16 S16.02-SS16.04, S16.06-16.15 |
| | 36 1/20 | Schizophrenia/ Psychosis Bipolar Disorder Test due: Sunday at 11:55 pm | 1-6 | S06.02 S06.04 |
| | 37 1/27 | Attention Deficit Hyperactivity Disorder Sleep Disorder Test due: Sunday at 11:55 pm | 1-6 | S06.01 S06.05 |
| | 38 2/3 | Parkinson Disease Alzheimer's Disease Test due: Sunday at 11:55 pm | 1-6 | S05.05 S05.01 |
| | 39 2/10 Friday 2/14 | Study week Assessment 3: Over block 5 and 6 Material and Top Sellers, Calculations In-person Exam: Back to Campus Day | | |
| 7 | 40 2/17 | Inflammatory Bowel Disease Migraine Test due: Sunday at 11:55 pm | 1-6 | S03.07 & S03.08 S05.07 |
| | 41 2/24 | Medication Safety & Quality Improvement Pharmacokinetics Test due: Sunday at 11:55 pm | 1-6 | - |
| | 42 3/3 | Pharmacogenomics Dietary Supplements, Natural & Complementary Medicine Test due: Sunday at 11:55 pm | 1-6 | S19.01-19.19 |
| | 43 3/10 | Toxicology & Antidotes Drug Interactions Test due: Sunday at 11:55 pm | 1-6 2 | S19.99 |
| | 44 3/17 | Infectious Disease III: Antifungals & Antivirals Infectious Disease IV: Opportunistic Infections Test due: Sunday at 11:55 pm | 1-6 | S15.13 S15.14 |
| | 45 3/24 | Pain Urinary Incontinence Test due: Sunday at 11:55 pm | 1-6 | S05.06 S09.03 |

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|-------------------|--|--|----------|---|
| 8 | 46 3/31 | Gastroesophageal Reflux Disease & Peptic Ulcer Disease Constipation & Diarrhea Gout Sickle Cell Disease Motion Sickness Test due: Sunday at 11:55 pm | 1-6 | S03.01 & S 03.02 S03.07 & S03.08 S11.03 S14.03 S03.10 |
| | 47 4/7 | Immunizations Travelers Human Immunodeficiency Virus Anemia Anxiety Disorders Test due: Sunday at 11:55 pm | 5 1-6 | S15.19 S15.18 S15.15 S14.01 S06.13 |
| | 48 4/14 Friday 4/18 | Study week Assessment 4: Over block 7 and 8 Material and Top Sellers, Calculations In-person Exam: Back to Campus Day | | |
| | 49 4/21 | Study week | | |
| | 50 4/28 Dates TBD | Exit Week In-Person/ Spring Commencement/Hooding/Awards Ceremonies Week MPJE Review: In-person Final Assessment: Pre-NAPLEX Final Assessment In-person | | |
| | 51 5/5 | Study week for Second Chance Assessment | | |
| 52 Mon 5/12 | Second Chance Assessment In-person Exam: Back to Campus Day (Final grades due by 12 pm on May 13, 2025) | | | |