Elective APPE Syllabi
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Contents

Elective Advanced Pharmacy Practice Experiences (APPEs) ................................................................. 3
Student End-Of-Rotation Checklist ........................................................................................................... 4
APPE 730 Acute Care Pharmacy Practice ................................................................................................ 5
APPE 740 Pharmacy Practice Management .............................................................................................. 13
APPE 750 Specialty Pharmacy Practice ................................................................................................... 18
APPE 760 Drug Information ....................................................................................................................... 23
APPE 770 Pharmacy Research .................................................................................................................. 28
Elective Advanced Pharmacy Practice Experiences (APPEs)

The Advanced Pharmacy Practice Experiences consist of 10 one-month rotations beginning in January of the third professional year and concluding in March of the fourth professional year. Courses are designed to focus on the development of professional skills required for contemporary pharmacy practice. During these courses, students spend one month (approximately 160 hours) in a variety of practice settings. Students are exposed to the role and responsibilities of the pharmacist in each practice and the importance of the pharmacist in patient care.

**Required Advanced Pharmacy Practice Experiences.** Students must complete 6 required experiences. Required experiences are:

- Advanced Institutional Practice
- Advanced Chain Community Practice
- Advanced Independent Community Practice
- Acute Care
- Ambulatory Care
- Drug Information (semester-long)

**Elective Experiences.** Students must select five (5) elective experiences from an approved list representing a variety of practice settings including cardiology, oncology, critical care, other medical subspecialties, as well as practice management and other specialty pharmacy practices.

**Course Credit.** Students earn four (4) hours of academic credit upon successful completion of each APPE course.

**Elective APPE Syllabus.** Each of the following Elective APPE Syllabi are designed to provide a general structure to each course and preceptor. Because rotation sites and patient populations are unique, the preceptors are allowed and encouraged to add additional activities and responsibilities to each course. Because some aspects of grading are structured, preceptors are not allowed to remove requirements from the standard syllabus without the permission of the Office of Experiential Education.
Student End-Of-Rotation Checklist

Students should submit the following documentation at the conclusion of the rotation:

- **Assignments**
  A copy of all assignments (including reflective papers, pharmacy calculations, drug summaries, drug information forms, oral presentation slides or handout) should be uploaded to Coursework in E*Value at the conclusion of the rotation. The Office of Experiential Education will review submitted work; however the grade is determined by the Clinical Preceptor. Failure to upload required assignments in a timely manner to E*Value may result in a grade reduction for unprofessional behavior.

- **Student Self Assessment, Evaluation of Preceptor, and Evaluation of Site (Appendix C)**
  All evaluations must be completed in E*Value within 3 days of the conclusion of the rotation. All comments regarding the preceptor and the site must be written in a professional manner. The school will not share individual student evaluations with the preceptor. Preceptors will receive de-identified student feedback in aggregate.

Summary of coursework required for submission to E*Value

<table>
<thead>
<tr>
<th>Course</th>
<th>Interventions</th>
<th>Drug Information</th>
<th>Presentations</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>710A (all)</td>
<td>4 SOAP notes</td>
<td>2 questions</td>
<td>Inservice or journal article review</td>
<td></td>
</tr>
<tr>
<td>710B (all)</td>
<td>4 SOAP notes</td>
<td>2 questions</td>
<td>Inservice or journal article review</td>
<td>Top 200 drug quiz (required once)</td>
</tr>
<tr>
<td>730 (all)</td>
<td>4 SOAP notes</td>
<td>2 questions</td>
<td>Inservice</td>
<td></td>
</tr>
<tr>
<td>740-770</td>
<td></td>
<td></td>
<td>Inservice or project</td>
<td></td>
</tr>
</tbody>
</table>
**APPE 730 Acute Care Pharmacy Practice**

4 Credit hours

**Course Coordinator:** Mark Stephens, Pharm.D., BCPS  
Director of Experiential Education  
Providence Hall Room 125  
Phone: 731-661-5975 (voice)  
FAX: 731-661-5980  
Office Hours: By appointment  
E-mail: mstephen@uu.edu

**Other Course Instructors:**  
Various Clinical Preceptors will be involved in the course. Students will be assigned a Clinical Preceptor and practice site. The student and/or the Preceptor should inform the Course Coordinator of any circumstances or relationships that could adversely affect the preceptor/student relationship and the desired learning outcomes.

**Credit Hours:**  
4 Credit hours

**Clinical Hours:**  
The course will be completed during a calendar month. The course usually begins on the first weekday of the month and ends on the last week day of the month. The Clinical Preceptor may change this schedule as necessary.

Clinical hours and location are to be mutually approved by the Course Coordinator and the Clinical Preceptor. The work schedule is expected to be 40 hours per week during the calendar month. The Clinical Preceptor will determine the exact work schedule. Evening and weekend hours are permitted.

**Course Description:**  
This Advanced Pharmacy Practice Experience (APPE) is a required course. The course is designed to offer the student advanced experience in an acute care pharmacy practice setting. Students will be expected to apply knowledge and skills learned during the experience and previously in the curriculum in order to accurately and efficiently communicate with patients, caregivers, and healthcare professionals; collect and analyze patient information for the development of an evidence-based treatment plans in the acute care setting; respond to drug information questions; and conduct themselves in a professional manner.
Prerequisites:
The student must be enrolled in the Union University Doctor of Pharmacy Program. The student must successfully complete all prior didactic courses and all four introductory pharmacy practice experiences. The student must also have the following:

1. A current health insurance policy
2. Proof of immunization for
   a. measles, mumps and rubella (MMR) or positive titer;
   b. positive history for chicken pox (varicella) or positive titer;
   c. hepatitis B series or documented immunity; and
   d. an annual TB skin test.
   e. an annual influenza vaccine (or signed declination)
3. An annual criminal background check
4. An annual urine drug screen
5. Annual HIPAA/OSHA certification
6. Basic Life Support for the Healthcare Provider

Course Objectives:
At the conclusion of this rotation, the student should be able to:

1. Discuss the pathophysiology of disease states common to an acute care practice
2. Discuss current therapeutic treatment recommendations for disease states common to an acute care practice
3. Verbally communicate with patients, caregivers, and other members of the healthcare team in an effective manner
4. Create effective and appropriate written communication for patients, caregivers, healthcare team members or the public.
5. Collect, analyze, and accurately evaluate subjective and objective patient information for the development of a treatment/pharmaceutical care plan
6. Design evidence-based treatment plans
7. Successfully interpret and apply literature to practice
8. Utilize informatics in daily practice
9. Manage a patient-centered practice
10. Function with professionalism as an effective member on an interdisciplinary team
## Course Mapping to Terminal Outcomes

<table>
<thead>
<tr>
<th>Terminal Outcomes</th>
<th>Course Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide compassionate care amongst diversity</td>
<td>• Discuss the pathophysiology and current therapeutic treatment recommendations for disease states common to an ambulatory care practice</td>
</tr>
<tr>
<td></td>
<td>• Design an evidence-based treatment plan for identified problems <strong>Successfully interpret and apply current literature to practice</strong></td>
</tr>
<tr>
<td>Provide pharmaceutical care and disease state management</td>
<td>• Collect, analyze, and accurately evaluate subjective and objective patient information for the development of a pharmaceutical care plan</td>
</tr>
<tr>
<td></td>
<td>• Design an evidence-based treatment plan for identified problems</td>
</tr>
<tr>
<td>Develop evidence-based pharmacotherapy care plans</td>
<td>• Design an evidence-based treatment plan for identified problems <strong>Successfully interpret and apply current literature to practice</strong></td>
</tr>
<tr>
<td>Provide health and wellness strategies</td>
<td>• Design an evidence-based treatment plan for identified problems</td>
</tr>
<tr>
<td>Communicate effectively</td>
<td>• Communicate effectively to patients, caregivers, and other members of the healthcare team</td>
</tr>
<tr>
<td>Successfully interpret and apply current literature to practice</td>
<td>• Successfully interpret and apply current literature to practice</td>
</tr>
<tr>
<td></td>
<td>• Communicate effectively to patients, caregivers, and other members of the healthcare team</td>
</tr>
<tr>
<td>Utilize informatics in daily practice</td>
<td>• Safely and accurately prepare and deliver drug products to patients. <strong>Communicate effectively to patients, caregivers, and other members of the healthcare team</strong></td>
</tr>
<tr>
<td></td>
<td>• Successfully interpret and apply current literature to practice</td>
</tr>
<tr>
<td>Manage a patient-centered practice</td>
<td>• Manage a patient-centered practice</td>
</tr>
</tbody>
</table>
Practice in a legal and ethical manner

| • Function with professionalism as an effective member on an interdisciplinary team |
| Function as a member of an interdisciplinary team | • Function with professionalism as an effective member on an interdisciplinary team |

**Methods of Instruction:**
The course objectives will be achieved through hands-on learning at the rotation site. The experience will include patient interactions and may involve simulated patient encounters. Readings may be assigned. The course will include preparation and delivery of a presentation. The objectives will also be met through completion of written assignments.

**Recommended Textbooks:**

**Assigned Readings and Research:**
The preceptor may assign reading. Assigned readings are expected to be completed prior to the designated deadlines and will be essential for student background prior to discussions. Quizzes may be administered periodically to assess knowledge and understanding of material.

**Required or Recommended Equipment:**
- Calculator

**Special Projects or Activities:**
Projects or activities will be assigned to assure the completion of course objectives. The preceptor may require additional activities.

1. Discuss the pathophysiology of disease states common to an acute care practice.

2. Discuss current therapeutic treatment recommendations for disease states common to an acute care practice.

3. Verbally communicate with patients, caregivers, and other members of the healthcare team in an effective manner
   a. Educate a minimum of 10 patients and/or caregivers regarding the treatment plan
i. Use appropriate language, medical terminology
ii. Counsel the patient regarding the pharmacologic and non-pharmacologic
treatment plan, including dosing instructions, potential adverse effects, etc.
iii. Counsel the patient regarding self-monitoring (when applicable)
iv. Determine the patient or caregiver’s comprehension of counseling
v. Respond appropriately to patient or caregiver’s questions
i. Identify and address potential barriers to the recommended treatment plan
   including financial, cognitive or physical, biases or beliefs, cultural, etc.

b. Prepare and deliver a 15-20 minute presentation on a medication related topic. (Use
   Oral Presentation Evaluation Form?)

c. Participate in a Journal Club (if available)

4. Create effective and appropriate written communication for patients, caregivers, healthcare
team members or the public.

5. Collect, analyze, and accurately evaluate subjective and objective patient information for the
development of a pharmaceutical care plan

   a. Identify and obtain pertinent objective health information from the patient’s medical
      record, pharmacy profile, etc.

6. Design an evidence-based treatment plan for identified problems
   a. Design and recommend pharmacotherapy plans (including pharmacologic and non-
      pharmacologic) for a minimum of 10 patients
   b. Design a monitoring plan for the identified problems
   c. Identify disease prevention strategies
      i. Identify or calculate risk for diseases
      ii. Identify vaccinations needed
      iii. Identify and recommend appropriate medication and non-medication related
disease prevention strategies
   d. Using a SOAP note or other specified format, concisely and accurately document
      patient interventions in the medical record or other location specified by the site
      i. Use appropriate terminology
      ii. Avoid use of unapproved abbreviations

7. Successfully interpret and apply literature to practice
   a. Formulate and document the answer to at least 2 drug information questions
      i. Include an accurately stated question
      ii. Collect pertinent background information
      iii. Use primary, secondary, and tertiary literature as appropriate to formulate an
      answer
iv. Respond to the question clearly and concisely, citing sources
v. Document the question and response, including AMA format citations, on the Drug Information Form provided by the School

8. Utilize informatics in daily practice
   a. Complete training of technology in an appropriate period of time
   b. Follow procedures
   c. Appropriately and efficiently utilize technology to deliver patient care
   d. Appropriately and efficiently utilize technology to identify problems, solve problems, and document activities

9. Manage a patient-centered practice
   a. Discuss practice management issues pertinent to the site including collaborative practice agreement, reimbursement for services, payers, etc.
   b. Discuss new service development
   c. Discuss cost savings initiatives

10. Function as an effective member on an interdisciplinary team
    a. Adheres to dress code
    b. Exhibits professional, courteous, respectful, compassionate behavior
       i. Demonstrates sensitivity to patients and family members
       ii. Demonstrates respect for other health professionals
    c. Maintains confidentiality
    d. Exhibits cultural sensitivity (sensitivity to ethnicity, economic status, age, etc)
    e. Maintains punctuality
       i. Arrives on time, prepared
       ii. Completes assignments on time
    f. Demonstrates dependability, accountability, sense of duty, willingness to learn, positive attitude

Final Examination
The preceptor may conduct a final written and/or oral final examination at the completion of the rotation. The composition of the final examination is at the discretion of the Clinical Preceptor. The final examination will count for not more than 20% of the final grade.

Methods of Evaluation:
The preceptor will evaluate student performance during the experience using several grading rubrics: Student Presentation Evaluation Preceptor Evaluation of Student (Midpoint and Final).
Final Grade:
The clinical preceptor will establish the percentage of the total grade that each learning objective determines. The items included on the Preceptor Final Evaluation of Student Performance must be at least 70% of the student’s final grade.

The oral presentation is 10% of the student’s final grade.

Additional assignments may comprise up to 20% of the final grade.

The final exam (optional) may comprise up to 20% of the final grade.

*A grade of F (< 2.0 on the 4 point scale) for professionalism may result in letter grade reductions or a failing grade (F) for the course, regardless of the grade in other sections.

Final grades for the course are A, B, C, or F. The final grade will be based on the student’s performance on learning objectives, as well as the student’s performance on their oral presentation, additional assignments, and the final exam (if applicable). The grade will be calculated on a 4-point scale.

A= 4.0-3.4
B= 3.3-2.7
C= 2.6-2.0
F< 2.0

Attendance:
Punctual attendance each day of the pharmacy practice experience is mandatory. Attendance is considered an important component of professionalism and is expected by Doctor of Pharmacy candidates. In the event of emergencies and/or necessary absences, prior communication with the preceptor is required. Permission for absences will be handled on an individual basis.

Assignments:
All assignments must be submitted to the Preceptor on the date set by the Preceptor. This will allow the preceptor adequate time to review and evaluate each assignment. Failure to complete assignments by the date due may result in letter grade deductions for the course for unprofessional conduct.

A copy of all assignments must be uploaded to E-Value under Coursework within 3 days of the completion of the rotation. Failure to upload assignments by the due date may result in grade deductions for unprofessional conduct.

- Formal presentation or project
- Copy of four SOAP notes
- Response to two drug information questions
**Academic Dishonesty:**
In order to maintain integrity and professionalism at the highest level, dishonesty of any sort, including cheating (giving or receiving aid on a test or other work that is required to be performed independently) and plagiarism, will not be tolerated. In the context of this course, plagiarism is defined as copying more than six consecutive words verbatim or more than two sentences that reflect the original author’s phrasing, sentence structure, or meaning. The penalty for cheating and plagiarism is a grade of zero for the assignment. The student will also be reported to the academic center as required by school policy (please see the School of Pharmacy Student Handbook).

**Professionalism:**
Students are expected to treat everyone, including the preceptor(s), facility staff, and patients with the highest level of respect. Any disruptive or disrespectful behavior will impact the student’s grade and may result in dismissal from the facility. The student will respect the confidentiality of the pharmacy’s patients and their records in accordance with the applicable law. The student will become familiar with and follow the policies and procedures of the pharmacy. The student will respect the confidentiality of the pharmacy’s business model and practices. A grade of F (< 2.0 on the 4 point scale) for professionalism may result in letter grade reductions or a failing grade (F) for the course, regardless of the grade in other sections.

**Dress:**
Professional attire is required during all rotations and should be in compliance with the Union University School of Pharmacy dress code and practice site. If dress code requirements conflict between the two codes, the more stringent of the two should be followed. The preceptor should make the final determination of what is required at the site.

**Students with Disabilities:**
Students with disabilities that require specific accommodations should make an appointment with the course coordinator within the first week of the course to discuss the appropriateness of the instructional methods in this class or any accommodations that may be needed.

**Health Insurance Portability and Accountability Act (HIPAA):**
Union University recognizes the legal and moral responsibility to safeguard the privacy of all patients by maintaining confidentiality and safeguarding all protected health information. Students must comply with all privacy policies adopted by the practice site of the group leader and Union University. Any breach of HIPAA policies may result in disciplinary action, up to and including dismissal from the academic program.

**Final Note:**
- The course coordinator reserves the right to make necessary and appropriate adjustments to this syllabus and to grading in order to meet learning objectives.
- Non-emergent, personal use of a cell phone is prohibited. Use of a cell phone for communications while at the practice site will be determined by the Clinical Preceptor.
APPE 740 Pharmacy Practice Management

4 Credit hours

Course Coordinator:  Mark Stephens, Pharm.D., BCPS
Director of Experiential Education
Providence Hall Room 125
Phone: 731-661-5975 (voice)
FAX: 731-661-5980
Office Hours: By appointment
E-mail: mstephen@uu.edu

Other Course Instructors:
Various Clinical Preceptors will be involved in the course. Students will be assigned a Clinical Preceptor and practice site. The student and/or the Preceptor should inform the Course Coordinator of any circumstances or relationships that could adversely affect the preceptor/student relationship and the desired learning outcomes.

Credit Hours:
4 Credit hours

Clinical Hours:
The course will be completed during a calendar month. The course usually begins on the first weekday of the month and ends on the last week day of the month. The Clinical Preceptor may change this schedule as necessary.

Clinical hours and location are to be mutually approved by the Course Coordinator and the Clinical Preceptor. The work schedule is expected to be 40 hours per week during the calendar month. The Clinical Preceptor will determine the exact work schedule. Evening and weekend hours are permitted.

Course Description:
These Advanced Pharmacy Practice Experiences (APPEs) are elective courses. The courses are designed to offer the student advanced experience in the management of pharmacy practice in various settings. Students will be expected to apply knowledge and skills learned during the experience and previously in the curriculum in order to manage inventory, contracts, reimbursement, information, risk, and human resources; including scheduling, salaries, and performance evaluations.
Prerequisites:
The student must be enrolled in the Union University Doctor of Pharmacy Program. The student must successfully complete all prior didactic courses and all four introductory pharmacy practice experiences. The student must also have the following:

1. A current health insurance policy
2. Proof of immunization for
   a. measles, mumps and rubella (MMR) or positive titer;
   b. positive history for chicken pox (varicella) or positive titer;
   c. hepatitis B series or documented immunity; and
   d. an annual TB skin test.
   e. an annual influenza vaccine (or signed declination)
3. An annual criminal background check
4. An annual urine drug screen
5. Annual HIPAA/OSHA certification
6. Basic Life Support for the Healthcare Provider

Course Objectives:
Specific course objectives will be outlined by individual Clinical Preceptors. Course objectives will be designed to strengthen the student’s development in the School’s terminal learning objectives:

1. Provide compassionate care amongst diversity
2. Provide pharmaceutical care and disease state management
3. Develop evidence-based pharmacotherapy care plans
4. Provide health and wellness strategies
5. Communicate effectively
6. Successfully interpret and apply current literature to practice
7. Utilize informatics in daily practice
8. Manage a patient-centered practice
9. Practice in a legal and ethical manner
10. Function as a member of an interdisciplinary team

Methods of Instruction:
The course objectives will be achieved through hands-on learning at the rotation site. Readings may be assigned. The course will include preparation and delivery of a presentation. The objectives will also be met through completion of written assignments.

Assigned Readings and Research:
The preceptor may assign reading. Assigned readings are expected to be completed prior to the designated deadlines and will be essential for student background prior to discussions. Quizzes may be administered periodically to assess knowledge and understanding of material.
**Special Projects or Activities:**
Projects or activities may be assigned to assure the completion of course objectives. The preceptor may require additional activities.

**Final Examination**
The preceptor may conduct a final written and/or oral final examination at the completion of the rotation. The composition of the final examination is at the discretion of the Clinical Preceptor. The final examination will count for not more than 20% of the final grade.

**Methods of Evaluation:**
The preceptor will evaluate student performance during the experience using several grading rubrics:
- Student Presentation Evaluation (if applicable)
- Preceptor Evaluation of Student (Midpoint and Final)
- Other grading rubrics as deemed applicable by the Clinical Preceptor

**Final Grade:**
The clinical preceptor will establish the percentage of the total grade that each learning objective determines.

The oral presentation is 10% of the student’s final grade.

The final exam (optional) may comprise up to 20% of the final grade.

*A grade of F (< 2.0 on the 4 point scale) for professionalism may result in letter grade reductions or a failing grade (F) for the course, regardless of the grade in other sections.*

Final grades for the course are A, B, C, or F. The final grade will be based on the student’s performance on learning objectives, as well as the student’s performance on their oral presentation, additional assignments, and the final exam (if applicable). The grade will be calculated on a 4-point scale.

- A = 4.0-3.4
- B = 3.3-2.7
- C = 2.6-2.0
- F < 2.0

**Attendance:**
Punctual attendance each day of the pharmacy practice experience is mandatory. Attendance is considered an important component of professionalism and is expected by Doctor of Pharmacy candidates. In the event of emergencies and/or necessary absences, prior communication with the preceptor is required. Permission for absences will be handled on an individual basis.
**Assignments:**
All assignments must be submitted to the Preceptor on the date set by the Preceptor. This will allow the preceptor adequate time to review and evaluate each assignment. Failure to complete assignments by the date due may result in grade deductions for the course for unprofessional conduct. A copy of all assignments must be added to your professional portfolio. Your academic advisor will review your portfolio.

**Academic Dishonesty:**
In order to maintain integrity and professionalism at the highest level, dishonesty of any sort, including cheating (giving or receiving aid on a test or other work that is required to be performed independently) and plagiarism, will not be tolerated. In the context of this course, plagiarism is defined as copying more than six consecutive words verbatim or more than two sentences that reflect the original author’s phrasing, sentence structure, or meaning. The penalty for cheating and plagiarism is a grade of zero for the assignment. The student will also be reported to the academic center as required by school policy (please see the School of Pharmacy Student Handbook).

**Professionalism:**
Students are expected to treat everyone, including the preceptor(s), facility staff, and patients with the highest level of respect. Any disruptive or disrespectful behavior will impact the student’s grade and may result in dismissal from the facility. The student will respect the confidentiality of the pharmacy’s patients and their records in accordance with the applicable law. The student will become familiar with and follow the policies and procedures of the pharmacy. The student will respect the confidentiality of the pharmacy’s business model and practices. A grade of F (< 2.0 on the 4 point scale) for professionalism may result in letter grade reductions or a failing grade (F) for the course, regardless of the grade in other sections.

**Dress:**
Professional attire is required during all rotations and should be in compliance with the Union University School of Pharmacy dress code and practice site. If dress code requirements conflict between the two codes, the more stringent of the two should be followed. The preceptor should make the final determination of what is required at the site.

**Students with Disabilities:**
Students with disabilities that require specific accommodations should make an appointment with the course coordinator within the first week of the course to discuss the appropriateness of the instructional methods in this class or any accommodations that may be needed.

**Health Insurance Portability and Accountability Act (HIPAA):**
Union University recognizes the legal and moral responsibility to safeguard the privacy of all patients by maintaining confidentiality and safeguarding all protected health information. Students must comply with all privacy policies adopted by the practice site of the group leader and Union University. Any breach of HIPAA policies may result in disciplinary action, up to and including dismissal from the academic program.
Final Note:

- The course coordinator reserves the right to make necessary and appropriate adjustments to this syllabus and to grading in order to meet learning objectives.
- Non-emergent, personal use of a cell phone is prohibited. Use of a cell phone for communications while at the practice site will be determined by the Clinical Preceptor.
APPE 750 Specialty Pharmacy Practice
4 Credit hours

Course Coordinator: Mark Stephens, Pharm.D., BCPS
Director of Experiential Education
Providence Hall Room 125
Phone: 731-661-5975 (voice)
FAX: 731-661-5980
Office Hours: By appointment
E-mail: mstephen@uu.edu

Other Course Instructors:
Various Clinical Preceptors will be involved in the course. Students will be assigned a Clinical Preceptor and practice site. The student and/or the Preceptor should inform the Course Coordinator of any circumstances or relationships that could adversely affect the preceptor/student relationship and the desired learning outcomes.

Credit Hours:
4 Credit hours

Clinical Hours:
The course will be completed during a calendar month. The course usually begins on the first weekday of the month and ends on the last week day of the month. The Clinical Preceptor may change this schedule as necessary.

Clinical hours and location are to be mutually approved by the Course Coordinator and the Clinical Preceptor. The work schedule is expected to be 40 hours per week during the calendar month. The Clinical Preceptor will determine the exact work schedule. Evening and weekend hours are permitted.

Course Description:
These Advanced Pharmacy Practice Experiences (APPEs) are elective courses. These courses are designed to offer the student advanced experience in specialty pharmacy practice settings. Students will be expected to apply knowledge and skills learned during the experience and previously in the curriculum in order to accurately and efficiently communicate with patients, caregivers, and healthcare professionals; collect and analyze patient information for the development of an evidence-based treatment plans in the various practice settings, including home-bound patients, residents of nursing
homes or other long-term stay facilities; respond to drug information questions; and conduct themselves in a professional manner.

**Prerequisites:**
The student must be enrolled in the Union University Doctor of Pharmacy Program. The student must successfully complete all prior didactic courses and all four introductory pharmacy practice experiences. The student must also have the following:

1. A current health insurance policy
2. Proof of immunization for
   a. measles, mumps and rubella (MMR) or positive titer;
   b. positive history for chicken pox (varicella) or positive titer;
   c. hepatitis B series or documented immunity; and
   d. an annual TB skin test.
   e. an annual influenza vaccine (or signed declination)
3. An annual criminal background check
4. An annual urine drug screen
5. Annual HIPAA/OSHA certification
6. Basic Life Support for the Healthcare Provider

**Course Objectives:**
Specific course objectives will be outlined by individual Clinical Preceptors. Course objectives will be designed to strengthen the student’s development in the School’s terminal learning objectives:

1. Provide compassionate care amongst diversity
2. Provide pharmaceutical care and disease state management
3. Develop evidence-based pharmacotherapy care plans
4. Provide health and wellness strategies
5. Communicate effectively
6. Successfully interpret and apply current literature to practice
7. Utilize informatics in daily practice
8. Manage a patient-centered practice
9. Practice in a legal and ethical manner
10. Function as a member of an interdisciplinary team

**Methods of Instruction:**
The course objectives will be achieved through hands-on learning at the rotation site. Readings may be assigned. The course will include preparation and delivery of a presentation. The objectives will also be met through completion of written assignments.

**Assigned Readings and Research:**
The preceptor may assign reading. Assigned readings are expected to be completed prior to the designated deadlines and will be essential for student background prior to discussions. Quizzes may be administered periodically to assess knowledge and understanding of material.
Special Projects or Activities:
Projects or activities may be assigned to assure the completion of course objectives. The preceptor may require additional activities.

Final Examination
The preceptor may conduct a final written and/or oral final examination at the completion of the rotation. The composition of the final examination is at the discretion of the Clinical Preceptor. The final examination will count for not more than 20% of the final grade.

Methods of Evaluation:
The preceptor will evaluate student performance during the experience using several grading rubrics:
Student Presentation Evaluation (if applicable)
Preceptor Evaluation of Student (Midpoint and Final)
Other grading rubrics as deemed applicable by the Clinical Preceptor

Final Grade:
The clinical preceptor will establish the percentage of the total grade that each learning objective determines.

The oral presentation is 10% of the student’s final grade.

The final exam (optional) may comprise up to 20% of the final grade.

*A grade of F (< 2.0 on the 4 point scale) for professionalism may result in letter grade reductions or a failing grade (F) for the course, regardless of the grade in other sections.

Final grades for the course are A, B, C, or F. The final grade will be based on the student’s performance on learning objectives, as well as the student’s performance on their oral presentation, additional assignments, and the final exam (if applicable). The grade will be calculated on a 4-point scale.

A= 4.0-3.4
B= 3.3-2.7
C= 2.6-2.0
F< 2.0

Attendance:
Punctual attendance each day of the pharmacy practice experience is mandatory. Attendance is considered an important component of professionalism and is expected by Doctor of Pharmacy candidates. In the event of emergencies and/or necessary absences, prior communication with the
preceptor is required. Permission for absences will be handled on an individual basis.

Assignments:
All assignments must be submitted to the Preceptor on the date set by the Preceptor. This will allow the preceptor adequate time to review and evaluate each assignment. Failure to complete assignments by the date due may result in grade deductions for the course for unprofessional conduct. A copy of all assignments must be added to your professional portfolio. Your academic advisor will review your portfolio.

Academic Dishonesty:
In order to maintain integrity and professionalism at the highest level, dishonesty of any sort, including cheating (giving or receiving aid on a test or other work that is required to be performed independently) and plagiarism, will not be tolerated. In the context of this course, plagiarism is defined as copying more than six consecutive words verbatim or more than two sentences that reflect the original author’s phrasing, sentence structure, or meaning. The penalty for cheating and plagiarism is a grade of zero for the assignment. The student will also be reported to the academic center as required by school policy (please see the School of Pharmacy Student Handbook).

Professionalism:
Students are expected to treat everyone, including the preceptor(s), facility staff, and patients with the highest level of respect. Any disruptive or disrespectful behavior will impact the student’s grade and may result in dismissal from the facility. The student will respect the confidentiality of the pharmacy’s patients and their records in accordance with the applicable law. The student will become familiar with and follow the policies and procedures of the pharmacy. The student will respect the confidentiality of the pharmacy’s business model and practices. A grade of F (< 2.0 on the 4 point scale) for professionalism may result in letter grade reductions or a failing grade (F) for the course, regardless of the grade in other sections.

Dress:
Professional attire is required during all rotations and should be in compliance with the Union University School of Pharmacy dress code and practice site. If dress code requirements conflict between the two codes, the more stringent of the two should be followed. The preceptor should make the final determination of what is required at the site.

Students with Disabilities:
Students with disabilities that require specific accommodations should make an appointment with the course coordinator within the first week of the course to discuss the appropriateness of the instructional methods in this class or any accommodations that may be needed.

Health Insurance Portability and Accountability Act (HIPAA):
Union University recognizes the legal and moral responsibility to safeguard the privacy of all patients by maintaining confidentiality and safeguarding all protected health information. Students must comply with all privacy policies adopted by the practice site of the group leader and Union University. Any
breach of HIPAA policies may result in disciplinary action, up to and including dismissal from the academic program.

**Final Note:**
- The course coordinator reserves the right to make necessary and appropriate adjustments to this syllabus and to grading in order to meet learning objectives.
- Non-emergent, personal use of a cell phone is prohibited. Use of a cell phone for communications while at the practice site will be determined by the Clinical Preceptor.
APPE 760 Drug Information

4 Credit hours

Course Coordinator: Mark Stephens, Pharm.D., BCPS
Director of Experiential Education
Providence Hall Room 125
Phone: 731-661-5975 (voice)
FAX: 731-661-5980
Office Hours: By appointment
E-mail: mstephen@uu.edu

Other Course Instructors:
Various Clinical Preceptors will be involved in the course. Students will be assigned a Clinical Preceptor and practice site. The student and/or the Preceptor should inform the Course Coordinator of any circumstances or relationships that could adversely affect the preceptor/student relationship and the desired learning outcomes.

Credit Hours:
4 Credit hours

Clinical Hours:
The course will be completed during a calendar month. The course usually begins on the first weekday of the month and ends on the last weekday of the month. The Clinical Preceptor may change this schedule as necessary.

Clinical hours and location are to be mutually approved by the Course Coordinator and the Clinical Preceptor. The work schedule is expected to be 40 hours per week during the calendar month. The Clinical Preceptor will determine the exact work schedule. Evening and weekend hours are permitted.

Course Description:
This Advanced Pharmacy Practice Experience (APPE) is an elective course. The course is designed to offer the student advanced experience in the provision of drug information. Students will be expected to apply knowledge and skills learned during the experience and previously in the curriculum in order to completely define the specific drug information question, use appropriate resources to efficiently and accurately research drug information questions, respond to drug information questions in a professional
manner, communicate effectively with patients and healthcare providers, and conduct themselves in a professional manner.

Prerequisites:
The student must be enrolled in the Union University Doctor of Pharmacy Program. The student must successfully complete all prior didactic courses and all four introductory pharmacy practice experiences. The student must also have the following:

1. A current health insurance policy
2. Proof of immunization for
   a. measles, mumps and rubella (MMR) or positive titer;
   b. positive history for chicken pox (varicella) or positive titer;
   c. hepatitis B series or documented immunity; and
   d. an annual TB skin test.
   e. an annual influenza vaccine (or signed declination)
3. An annual criminal background check
4. An annual urine drug screen
5. Annual HIPAA/OSHA certification
6. Basic Life Support for the Healthcare Provider

Course Objectives:
Specific course objectives will be outlined by individual Clinical Preceptors. Course objectives will be designed to strengthen the student’s development in the School’s terminal learning objectives:

1. Provide compassionate care amongst diversity
2. Provide pharmaceutical care and disease state management
3. Develop evidence-based pharmacotherapy care plans
4. Provide health and wellness strategies
5. Communicate effectively
6. Successfully interpret and apply current literature to practice
7. Utilize informatics in daily practice
8. Manage a patient-centered practice
9. Practice in a legal and ethical manner
10. Function as a member of an interdisciplinary team

Methods of Instruction:
The course objectives will be achieved through hands-on learning at the rotation site. Readings may be assigned. The course will include preparation and delivery of a presentation. The objectives will also be met through completion of written assignments.

Assigned Readings and Research:
The preceptor may assign reading. Assigned readings are expected to be completed prior to the designated deadlines and will be essential for student background prior to discussions. Quizzes may be administered periodically to assess knowledge and understanding of material.
Special Projects or Activities:
Projects or activities may be assigned to assure the completion of course objectives. The preceptor may require additional activities.

Final Examination
The preceptor may conduct a final written and/or oral final examination at the completion of the rotation. The composition of the final examination is at the discretion of the Clinical Preceptor. The final examination will count for not more than 20% of the final grade.

Methods of Evaluation:
The preceptor will evaluate student performance during the experience using several grading rubrics:
Student Presentation Evaluation (if applicable)
Preceptor Evaluation of Student (Midpoint and Final)
Other grading rubrics as deemed applicable by the Clinical Preceptor

Final Grade:
The clinical preceptor will establish the percentage of the total grade that each learning objective determines.

The oral presentation is 10% of the student’s final grade.

The final exam (optional) may comprise up to 20% of the final grade.

*A grade of F (≤ 2.0 on the 4 point scale) for professionalism may result in letter grade reductions or a failing grade (F) for the course, regardless of the grade in other sections.

Final grades for the course are A, B, C, or F. The final grade will be based on the student’s performance on learning objectives, as well as the student’s performance on their oral presentation, additional assignments, and the final exam (if applicable). The grade will be calculated on a 4-point scale.

A= 4.0-3.4
B= 3.3-2.7
C= 2.6-2.0
F< 2.0

Attendance:
Punctual attendance each day of the pharmacy practice experience is mandatory. Attendance is considered an important component of professionalism and is expected by Doctor of Pharmacy candidates. In the event of emergencies and/or necessary absences, prior communication with the
preceptor is required. Permission for absences will be handled on an individual basis.

Assignments:
All assignments must be submitted to the Preceptor on the date set by the Preceptor. This will allow the preceptor adequate time to review and evaluate each assignment. Failure to complete assignments by the date due may result in grade deductions for the course for unprofessional conduct. A copy of all assignments must be added to your professional portfolio. Your academic advisor will review your portfolio.

Academic Dishonesty:
In order to maintain integrity and professionalism at the highest level, dishonesty of any sort, including cheating (giving or receiving aid on a test or other work that is required to be performed independently) and plagiarism, will not be tolerated. In the context of this course, plagiarism is defined as copying more than six consecutive words verbatim or more than two sentences that reflect the original author’s phrasing, sentence structure, or meaning. The penalty for cheating and plagiarism is a grade of zero for the assignment. The student will also be reported to the academic center as required by school policy (please see the School of Pharmacy Student Handbook).

Professionalism:
Students are expected to treat everyone, including the preceptor(s), facility staff, and patients with the highest level of respect. Any disruptive or disrespectful behavior will impact the student’s grade and may result in dismissal from the facility. The student will respect the confidentiality of the pharmacy’s patients and their records in accordance with the applicable law. The student will become familiar with and follow the policies and procedures of the pharmacy. The student will respect the confidentiality of the pharmacy’s business model and practices. A grade of F (< 2.0 on the 4 point scale) for professionalism may result in letter grade reductions or a failing grade (F) for the course, regardless of the grade in other sections.

Dress:
Professional attire is required during all rotations and should be in compliance with the Union University School of Pharmacy dress code and practice site. If dress code requirements conflict between the two codes, the more stringent of the two should be followed. The preceptor should make the final determination of what is required at the site.

Students with Disabilities:
Students with disabilities that require specific accommodations should make an appointment with the course coordinator within the first week of the course to discuss the appropriateness of the instructional methods in this class or any accommodations that may be needed.

Health Insurance Portability and Accountability Act (HIPAA):
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Final Note:
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**APPE 770 Pharmacy Research**

4 Credit hours

**Course Coordinator:**  
Mark Stephens, Pharm.D., BCPS  
Director of Experiential Education  
Providence Hall Room 125  
Phone: 731-661-5975 (voice)  
FAX: 731-661-5980  
Office Hours: By appointment  
E-mail: mstephen@uu.edu

**Other Course Instructors:**
Various Clinical Preceptors will be involved in the course. Students will be assigned a Clinical Preceptor and practice site. The student and/or the Preceptor should inform the Course Coordinator of any circumstances or relationships that could adversely affect the preceptor/student relationship and the desired learning outcomes.

**Credit Hours:**
4 Credit hours

**Clinical Hours:**
The course will be completed during a calendar month. The course usually begins on the first weekday of the month and ends on the last week day of the month. The Clinical Preceptor may change this schedule as necessary.

Clinical hours and location are to be mutually approved by the Course Coordinator and the Clinical Preceptor. The work schedule is expected to be 40 hours per week during the calendar month. The Clinical Preceptor will determine the exact work schedule. Evening and weekend hours are permitted.

**Course Description:**
These Advanced Pharmacy Practice Experiences (APPEs) are elective courses. These courses are designed to offer the student experience in conducting scientific research in a particular discipline. Students interested in completing any of these courses should consult with the course coordinator prior to registration.
Prerequisites:
The student must be enrolled in the Union University Doctor of Pharmacy Program. The student must successfully complete all prior didactic courses and all four introductory pharmacy practice experiences. The student must also have the following:

1. A current health insurance policy
2. Proof of immunization for
   a. measles, mumps and rubella (MMR) or positive titer;
   b. positive history for chicken pox (varicella) or positive titer;
   c. hepatitis B series or documented immunity; and
   d. an annual TB skin test.
   e. an annual influenza vaccine (or signed declination)
3. An annual criminal background check
4. An annual urine drug screen
5. Annual HIPAA/OSHA certification
6. Basic Life Support for the Healthcare Provider

Course Objectives:
Specific course objectives will be outlined by individual Clinical Preceptors. Course objectives will be designed to strengthen the student’s development in the School’s terminal learning objectives:

1. Provide compassionate care amongst diversity
2. Provide pharmaceutical care and disease state management
3. Develop evidence-based pharmacotherapy care plans
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Methods of Instruction:
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Assigned Readings and Research:
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