



Midwestern University
College of Pharmacy- Downers Grove Class of 2026 3YC
Introductory Pharmacy Practice Experience II: Health-Systems
PPRAD 1692: Summer 2024 (6 credits)

Course Description:

This course will provide students an opportunity to participate in basic patient care and distribution services in a health system setting. Students will gain practical experience in health systems including the areas of professional and patient communication, medication order processing and verification, medication reconciliation, medication error prevention, medication distribution systems, sterile product preparation, hospital formulary management, interprofessional activities, and application of federal and state pharmacy laws.

Schedule:

	Dates	Time	Location
Course Orientation	Tuesday, April 30th AND Tuesday, May 7th	1:10pm to 3pm Attendance is Mandatory	CARD A
IPPE Rotation <u>Each rotation block is 4 weeks.</u> Each block will begin on a Monday and end on a Friday unless noted otherwise.	Block A: June 10 thru July 5, 2024 Block B: July 8 thru Aug 2, 2024 Block C: Aug 5 thru Aug 30, 2024	Daily start and finish times will be set by the preceptor Students are required to be at the site a minimum of 8 hours each day, 40 hours each week for a total of 160 hours. <i>Completion of all 160 hours is required for this rotation. These hours are reported to the State Board of Pharmacy.</i>	Assigned IPPE rotation site
IPPE end of rotation meeting on campus	<u>Last Friday of each IPPE rotation</u> Students will return to campus the last Friday of each rotation.	9:30am to 11:00am Attendance is mandatory	
	<u>Block A:</u> July 5, 2024		CARD B
	<u>Block B:</u> Aug 2, 2024		CARD B
	<u>Block C:</u> Aug 30, 2024		To Be Announced

Course Directors:

Susan Cornell, PharmD, CDCES, FAPhA, FADCES Director, Experiential Education 630-515-6191 scorene@midwestern.edu	Amy Lullo, BPharm, RPh Associate Director, Experiential Education 630-515-6043 alullo@midwestern.edu
Office of Experiential Education main phone: 630-515-7677. OEE staff available Mon. thru Fri. 8am to 4:30pm Main office email cpdgoee@midwestern.edu is monitored Mon. thru Friday 8am to 4:30 pm	

Role of the Course Director:

The role of the course director is to handle and organize exam questions, course grading, medical absences, rotation site placement, overall format of the class and other related administrative issues.

Course Objectives:

At the end of this rotation, the student will be able to:

1. Comply with accreditation, legal, regulatory and safety requirements as they apply to health system practice.
2. Evaluate the appropriateness of medication orders by correlating patient-specific data, drug information, calculations, and the health system's policies and procedures.
3. Describe the fundamental administrative and operational activities relevant to the pharmacy department.
4. Describe the process involving extemporaneous preparations and sterile products following existing standards of practice and the health system's policies and procedures.
5. Manage the medication use system and apply the systems approach to medication safety.
6. Demonstrate the ability to interact verbally and in writing with healthcare providers and patients by gathering, organizing, and recording appropriate information.
7. Demonstrate mature and professional attitudes, behaviors, habits, values, and ethics.

Course Requirements: In order to pass this course the student MUST:

1. Work with a preceptor at an assigned site approved by OEE and complete 160 hours of pharmacy practice over 4 weeks at the pharmacy.
2. Receive a passing score (> 70%) from the preceptor.
 - a. The preceptor is responsible for reviewing/evaluating the students' professionalism, performance, competency and assigning a score at the end of the rotation.
3. Complete a calculations assignment and submit (via Canvas) by the assigned due date (see block due dates).
 - a. Students that receive a score **< 70% on the calculations assignment** will receive a **full letter grade** reduction to their **final course grade**. For example, if a student scores < 17.5 points for the calculations assignment and received a final total of course points <450 points, which is an A, their final letter grade will be a B.
4. Participate in a prescription medication counseling encounter virtually with an OEE faculty during the IPPE health-systems rotation.
5. Complete the IPPE health-systems rotation quiz during the end of rotation meeting on the last Friday of the rotation.
6. Submit (via Canvas) completed and signed (by student and preceptor) competency form on the last day of the rotation by 11:59pm.
7. Submit (via Canvas) a complete experience summary by the assigned due date (see block due dates).
8. Submit (via RMS-portal) a complete self-evaluation and preceptor/site evaluation by the assigned due date (see block due dates).
- 9.

Recap of Course Assignment Due Dates:

Assignment	Submission format	Due Dates Block A	Due Dates Block B	Due Dates Block C
Mid-rotation evaluation (By preceptor)	RMS-portal	Friday June 21, 2024	Friday July 19, 2024	Friday Aug 16, 2024
Calculation packet (Student)	Canvas	Monday June 17, 2024	Monday July 15, 2024	Monday Aug 12, 2024
Rotation Quiz (Student)	Canvas	Friday July 5, 2024	Friday Aug 2, 2024	Friday Aug 30, 2024
Competency form (Student)	Canvas	Friday July 5, 2024	Friday Aug 2, 2024	Friday Aug 30, 2024
Experience Summary (Student)	Canvas	Friday July 5, 2024	Friday Aug 2, 2024	Friday Aug 30, 2024
Self-Evaluation (Student)	RMS-portal	Friday July 5, 2024	Friday Aug 2, 2024	Friday Aug 30, 2024
Evaluation of preceptor/site (Student)	RMS-portal	Friday July 5, 2024	Friday Aug 2, 2024	Friday Aug 30, 2024
Final Evaluation (By preceptor)	RMS-portal or paper	Wednesday July 3, 2024	Thursday Aug 2, 2024	Thursday Aug 29, 2024

Grading:

Evaluation in this course will come from your preceptor and required course assignments.

Please Note:

Passing this course is contingent upon receiving a passing score by your preceptor for your IPPE rotation. (Refer to the assessment section in the syllabus, below)

A score of "1" in any item in any section in the final evaluation will result in failure of the PPRAD 1692 course. (Refer to final evaluation document)

Also, a student who is requested by the preceptor or site administrator to permanently leave the IPPE rotation for unprofessional behavior or patient safety issues will be issued a failing grade. (Refer to IPPE rotation manual)

Assessment	Possible points					% of total points
Preceptor evaluation	400	IPPE-1 Rotation Evaluation must be a score between 400-280 to pass the course. NOTE: a score of ≤ 279.9 or a score of "1" in any section of the evaluation will result in failure of the PPRAD 1691 course				80 %
Calculations	25					20%
Prescription medication counseling encounter	25					
IPPE health-system quiz	25					
Experience Summary	25					
Total Points Possible	500	500 -450	449.9- 400	399.9 - 350	> 349.9	100 %
Final Grade		A	B	C	F	

Final Grades will be calculated using the above scale.

Late assignments:

Assignments (e.g. calculations, experience summary, etc.) is due on the date stated in this syllabus. **Assignments received after the due date and time will be subject to a 5% loss of points for each day that it is late.** As an example, the experience summary assignment is worth 25 points, so each day the assignment is late will result in a loss of 1.25 points.

Incomplete/No assignment turned in:

Students that submit incomplete assignments or no assignment will receive a **full letter grade** reduction to their **final course grade**. For example, if a student does not submit the calculations assignment and received a final total of course points <450 points, which is an A, their final letter grade will be a B.

University's Disability Statement (updated November 2023)

Midwestern University is committed to providing equal access to learning opportunities to students with documented disabilities. If you believe you need accommodation(s) in this course for a documented disability, please contact Student Services to engage in a confidential conversation about the process for requesting accommodations in the classroom and clinical settings. Accommodations are not provided retroactively. If Student Services has already approved your accommodation(s), please be sure to work with the course instructor to implement them. More information can be found online in the Disability Policy section of the MWU Student Handbook [Student Handbook Policy Final 2023-2024.pdf \(midwestern.edu\)](#) or by contacting Student Services via email at: disability_accommodations@midwestern.edu. Midwestern University encourages every student to access all available resources for support in their programs.

Religious Accommodations (updated November 2023)

Upon request by a student, Midwestern University colleges, programs, and Course Directors/coordinators will make a good faith effort to provide reasonable accommodation to students with sincerely held religious beliefs, unless the accommodation would create an undue hardship for the college/program/course. A student's request for reasonable religious accommodation, including requests for time off from or rescheduling of school activities, will be considered when all of the following criteria are met:

- A request must be submitted in advance. The student must submit a written request for a religious accommodation in course(s)/rotation(s) to the Academic Associate Dean of their college/program prior to the start of the academic year for the student's academic program AND not less than 30 calendar days in advance of the requested absence day(s). For newly admitted students only, the written request for religious accommodation in the first quarter of their program must be submitted not less than 30 days in advance of the requested absence(s).
- The request must be submitted on the MWU Religious Absence Request Form. Text message or email requests will not be considered.
- The request should include all of the requested dates for time off from courses and/or rotations for religious accommodation for the entire academic year.

A decision on requests for accommodation will be provided in writing by the Academic Associate Dean to the requesting student typically within two weeks of receipt of the request.

IPPE Rotation Manual:

The IPPE rotation manual can be found on Canvas. Students are required to read the IPPE rotation manual and be responsible for all material covered.

IPPE Rotation Policies:

Refer to the IPPE rotation manual for more information on OEE and rotation policies.

Disclaimer:

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APPENDIX A: Course Objectives and College of Pharmacy Curricular Outcomes

The PharmD curriculum provides students with a variety of opportunities to gain the knowledge, skills and attitudes associated with the successful practice of pharmacy, as described by the College's Curricular Outcomes. The table below demonstrates the connection between the course objectives and the College of Pharmacy Curricular Outcomes

Curricular Outcomes	Course learning objectives
Knowledge & Problem-Solving Skills (KPS)	
1. Apply knowledge from the biomedical and pharmaceutical sciences to patient and population care	<ul style="list-style-type: none">• Evaluate the appropriateness of medication orders by correlating patient-specific data, drug information, calculations, and the health system's policies and procedures.• Describe the process involving extemporaneous preparations and sterile products following existing standards of practice and the health system's policies and procedures.
2. Apply knowledge from the clinical, social, behavioral, economic, and administrative sciences to the practice of pharmacy	<ul style="list-style-type: none">• Evaluate the appropriateness of medication orders by correlating patient-specific data, drug information, calculations, and the health system's policies and procedures.• Describe the fundamental administrative and operational activities relevant to the pharmacy department.• Describe the process involving extemporaneous preparations and sterile products following existing standards of practice and the health system's policies and procedures.• Comply with accreditation, legal, regulatory and safety requirements as they apply to health system practice.• Manage the medication use system and apply the systems approach to medication safety• Demonstrate the ability to interact verbally and in writing with healthcare providers and patients by gathering, organizing, and recording appropriate information.
3. Apply creative and/or critical thinking skills to develop, implement, and evaluate solutions to identified problems	<ul style="list-style-type: none">• Evaluate the appropriateness of medication orders by correlating patient-specific data, drug information, calculations, and the health system's policies and procedures.• Manage the medication use system and apply the systems approach to medication safety
4. Retrieve, evaluate, and apply findings from the scientific literature	<ul style="list-style-type: none">• Describe the process involving extemporaneous preparations and sterile products following existing standards of practice and the health system's policies and procedures.• Evaluate the appropriateness of medication orders by correlating patient-specific data, drug information, calculations, and the health system's policies and procedures.

Patient & Population Care (PPC)	
1. Collect and assess information to guide patient and population care	<ul style="list-style-type: none"> Evaluate the appropriateness of medication orders by correlating patient-specific data, drug information, calculations, and the health system's policies and procedures. Demonstrate the ability to interact verbally and in writing with healthcare providers and patients by gathering, organizing, and recording appropriate information.
2. Design, implement, monitor, evaluate, and modify patient-centered care plans to provide safe and effective care	
3. Identify health disparities and inequities in access to quality care, as well as formulate strategies for their reduction	
4. Provide interventions designed to prevent disease and promote health and wellness	
Practice & Systems Management (PSM)	
<ul style="list-style-type: none"> Practice in compliance with federal and state pharmacy laws and regulations, institutional policies, and professional guidelines 	<ul style="list-style-type: none"> Comply with accreditation, legal, regulatory and safety requirements as they apply to health system practice. Evaluate the appropriateness of medication orders by correlating patient-specific data, drug information, calculations, and the health system's policies and procedures. Describe the process involving extemporaneous preparations and sterile products following existing standards of practice and the health system's policies and procedures.
<ul style="list-style-type: none"> Evaluate the economic, clinical, and humanistic outcomes associated with the provision of pharmacy services 	
<ul style="list-style-type: none"> Develop a plan to modify pharmacy services based on systematic analysis of practice activities to improve quality of care 	
<ul style="list-style-type: none"> Engage in activities that promote quality and safety in medication use processes that align with healthcare needs 	<ul style="list-style-type: none"> Describe the fundamental administrative and operational activities relevant to the pharmacy department. Manage the medication use system and apply the systems approach to medication safety.
<ul style="list-style-type: none"> Participate in pharmacy management functions using appropriate data and procedures 	

Communication & Interpersonal Skills (CIS)	
1. Establish relationships that promote patient-centered care	
2. Educate relevant audiences on topics within the expertise of a pharmacist	
3. Communicate effectively through verbal, non-verbal, and written means with relevant audiences	<ul style="list-style-type: none"> • Demonstrate the ability to interact verbally and in writing with healthcare providers and patients by gathering, organizing, and recording appropriate information.
Personal & Professional Development (PPD)	
1. Demonstrate awareness of one's own knowledge, experiences, values, attitudes, beliefs, and biases	<ul style="list-style-type: none"> • Demonstrate mature and professional attitudes, behaviors, habits, values, and ethics.
2. Demonstrate a commitment to upholding ethical and moral principles	<ul style="list-style-type: none"> • Demonstrate mature and professional attitudes, behaviors, habits, values, and ethics.
3. Demonstrate professional behavior with patients, caregivers, healthcare professionals, and other stakeholders	<ul style="list-style-type: none"> • Demonstrate mature and professional attitudes, behaviors, habits, values, and ethics. • Demonstrate the ability to interact verbally and in writing with healthcare providers and patients by gathering, organizing, and recording appropriate information.
4. Demonstrate leadership and accountability in the care of patients, the advancement of the profession, and in the community	
5. Advocate for the healthcare needs of society	
6. Develop a plan for continuous professional development based on self-reflection	
One Health & Interprofessionalism (OHIP)	
1. Demonstrate a commitment to the One Health principles linking human, animal and environmental health	
2. Use the knowledge of one's own role and those of other professions to assess and address the healthcare needs of patients and populations	<ul style="list-style-type: none"> • Demonstrate the ability to interact verbally and in writing with healthcare providers and patients by gathering, organizing, and recording appropriate information. • Describe the fundamental administrative and operational activities relevant to the pharmacy department.
3. Collaborate with other healthcare professionals to establish and maintain a climate of mutual respect and shared values	
4. Integrate and continuously enhance the pharmacist's role on the healthcare team	