

Midwestern University College of Pharmacy, Glendale Campus

PS-2 Class of 2025 Spring 2024

Monday, March 4, 2024 – Friday, May 24, 2024

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00 to 8:50		PPRAG 1677 Advanced Interprofessional Development (1/3 of class) <u>3/5, 3/12, 3/26, 4/2 & 4/30:</u> Cholla 112-114 See Syllabus for additional dates and locations.	PPRAG 1667 Complementary & Alternative Medicine (8:00 – 9:50 am) Cholla C <u>5/1 & 5/8 only:</u> Auditorium Lec Hall 1		
9:00 to 9:50	PPRAG 1675 Management 1 (9:30 – 10:50 am) Cholla C <u>5/6 only:</u> Agave 114, 118, 122		PPRAG 1675 Management 1 Cholla C <u>5/1 & 5/8 only:</u> Agave 114, 118, 122	PPRAG 1607 PSD 7 Cholla C (8:00 – 11:50 am) See Syllabus for all dates, times, and locations.	<u>4/26 only:</u> PPRAG 1667 CAM Workshop (8:00 – 11:50 am) Cholla Computer Labs A & B
10:00 to 10:50			PHIDG 1609 Integrated Sequence 9 Cholla C <u>5/1 & 5/8 only:</u> Auditorium Lec Hall 1		
11:00 to 11:50	COMMON HOUR Cholla C <u>5/6 only:</u> Ocotillo G	PHIDG 1608 Integrated Sequence 8 Cholla C <u>5/7 only:</u> Auditorium Lec Hall 5	PHIDG 1609 Integrated Sequence 9 Cholla C <u>5/1 & 5/8 only:</u> Auditorium Lec Hall 1		
12noon to 1:00	LUNCH	LUNCH <u>4/9 only:</u> PPRAG 1675 Quiz #1 Testing Center	LUNCH	LUNCH	LUNCH
1:10 to 3:00	PHIDG 1608 Integrated Sequence 8 Cholla C <u>5/6 only:</u> Auditorium Lec Hall 5	PHIDG 1608 Integrated Sequence 8 Cholla C <u>5/7 only:</u> Auditorium Lec Hall 5	PHIDG 1609 Integrated Sequence 9 Cholla C <u>5/1 & 5/8 only:</u> Auditorium Lec Hall 1	PHIDG 1608 Integrated Sequence 8 Cholla C <u>5/2 & 5/9 only:</u> Auditorium Lec Hall 5 <u>4/25 only:</u> PHIDG 1609 IS 9 session	EXAMS 1:00 – 3:00 pm or 3:30 – 5:30 pm <i>Unless indicated, events that start: (i) Before noon: start on the hour, end on :50; (ii) at noon or after: start on :10, end on the hour</i>
3:10 to 5:30	EXAMS 3:30 – 5:30 pm	<u>Electives</u> PPRAG 1433 Specialty Pharmacy (3:10 – 4:40 pm) 10 weeks Cholla 114 or PPRAG 1448 Adv. Psychiatric Pharmacy (3:10 – 4:40 pm) 10 weeks Cholla 112 or PPRAG 1449 Adv. Research Methods Tuesdays & Wednesdays (3:10 – 4:40 pm) 10 weeks Cholla Computer Lab A	<u>Electives</u> PPRAG 1445 Leadership (3:10 – 5:00 pm) 10 weeks Cholla 112 or PPRAG 1449 Adv. Research Methods Tuesdays & Wednesdays (3:10 – 4:40 pm) 10 weeks Cholla Computer Lab A	<u>Electives</u> PPRAG 1411 Chronic Pain (3:10 – 5:00 pm) 7 weeks: <u>3/14</u> – 4/25 Cholla 116 – 118 or PPRAG 1428 Acute Care Cardiology (3:10 – 5:30 pm) End times may vary; refer to syllabus. 7 weeks Cholla 112	

First Day of Classes: Monday, March 4, 2024

Student Scholarship and Awards Program and Reception: Monday, April 8, 2024

PPRAG 1420 Immunization Certification: Sat & Sun, April 20 – 21; 7:15 am – 5:30 pm; Cholla C + Cholla 112 - 118

Last day of classes: Friday, May 10, 2024 **Finals Week:** May 13th – May 17th, 2024

Quarter Break/Course Re-Examinations: May 20th – May 24th, 2024

Course #	Title	Course Director	Type	Qhrs
PHIDG 1608	Integrated Sequence 8	Dr. K. Goodlet	Required	6.0
PHIDG 1609	Integrated Sequence 9	Dr. T. Elbayoumi	Required	3.5
PPRAG 1607	Professional Skills Development 7	Dr. T. Storjohann	Required	1.5
PPRAG 1667	Complementary & Alternative Medicine	Dr. D. Gerber	Required	2.0
PPRAG 1675	Management 1	Dr. M. Rupp	Required	2.5
PPRAG 1677	Advanced Interprofessional Development (1/3 of the Class)	Dr. A. Burns	Required	1.0

PPRAG 1428	Acute Care Cardiology (7 weeks)	Dr. N. Murdock	Elective	1.5
PPRAG 1411	Pharmacological Management of Chronic Pain (7 weeks: 3/14 – 4/25)	Dr. R. Kronenberg	Elective	1.5
PPRAG 1420	Immunization Certification (one weekend, 4/20 – 4/21, full days)	Dr. K. Fine	Elective	2.0
PPRAG 1433	Introduction to Specialty Pharmacy	Dr. J. Vircks	Elective	1.5
PPRAG 1445	Being a Leader (10 weeks)	Dr. S. Katzif	Elective	2.0
PPRAG 1448	Advanced Psychiatric Pharmacy (10 weeks)	Dr. T. Golz, Dr. J. Kohli	Elective	1.5
PPRAG 1449	Advanced Research Methods (10 weeks)	Dr. K. Fairman	Elective	3.0
IPECG 1402C	Improving Patient Safety II (7 weeks online)	Interprofessional	Elective	1.5

Spring 2024 Exams

PHIDG 1608 IS 8

Exam 1	Friday, March 22	3:30 – 5:30 pm	Testing Center
Exam 1 Review	Tuesday, March 26	12:00 – 1:00 pm	Testing Center
Exam 1 Review (written portion)	Wednesday, March 27	12:00 – 12:30 pm	Cholla C
Exam 2	Friday, April 5	3:30 – 5:30 pm	Testing Center
Make-up Exams 1 & 2	Monday, April 8	3:30 – 5:30 pm	Testing Center
Exam 2 Review	Wednesday, April 10	12:00 – 1:00 pm	Testing Center
Exam 2 Review (written portion)	Thursday, April 11	12:00 – 12:30 pm	Cholla C
Exam 3	Friday, April 19	1:00 – 3:00 pm	Testing Center
Exam 3 Review	Tuesday, April 23	5:00 – 6:00 pm	Testing Center
Exam 3 Review (written portion)	Thursday, April 25	12:00 – 12:30 pm	Cholla C
Exam 4	Friday, May 3	3:30 – 5:30 pm	Testing Center
Exam 4 Review	Tuesday, May 7	12:00 – 1:00 pm	Testing Center
Exam 4 Review (written portion)	Thursday, May 9	12:00 – 12:30 pm	Cholla 112-118
Exam 5	Wednesday, May 15	9:00 – 11:00 am	Testing Center
Make-up Exams	Friday, May 17	7:00 – 9:00 am	Testing Center
Course Re-Exam:	Tuesday, May 21	7:00 – 9:00 am	Testing Center
Exam 5 Review	Tuesday, May 21	9:30 – 10:30 am	Testing Center

PHIDG 1609 IS 9

Exam 1	Friday, March 29	3:30 – 5:30 pm	Testing Center
Exam 1 Review	Tuesday, April 2	12:00 – 1:00 pm	Testing Center
Exam 2	Friday, April 26	3:30 – 5:30 pm	Testing Center
Exam 2 Review	Tuesday, April 30	12:00 – 1:00 pm	Testing Center
Exam 3	Thursday, May 16	8:30 – 10:30 am	Testing Center
Make-Up Exams	Monday, May 20	3:30 – 5:30 pm	Testing Center
Exam 3 Review	Tuesday, May 21	11:00 am – 12:00 pm	Testing Center
Course Re-Exam:	Wednesday, May 22	9:00 am – 11:00 am	Testing Center

PPRAG 1607 Professional Skills Development:

See the PSD7 Syllabus for assessment dates and times.

Bugs and Drugs Quiz	Thursday, March 7	11:20 – 11:50 am	Testing Center
Immunization Quiz	Thursday, March 14	11:10 – 11:50 am	Testing Center
Vancomycin PK Quiz	Thursday, March 21	10:50 – 11:30 am	Testing Center
Aminoglycosides PK Quiz	Thursday, March 28	11:10 – 11:50 am	Testing Center
PPCP Writing Workshop	Thursday, April 4	9:00 – 10:50 am	Testing Center
Top 200 Quiz	Thursday, May 2	11:15 – 11:45 am	Testing Center
Make-Up Workshop	Wednesday, May 15	11:30 am – 1:30 pm	Testing Center

PPRAG 1667: Complementary & Alternative Medicine

Exam 1	Tuesday, April 16	10:30 am – 12:00 noon	Testing Center
Exam 2	Tuesday, May 14	12:00 – 2:00 pm	Testing Center

PPRAG 1675 Pharmacy Practice Management

Exam 1	Monday, April 1	3:30 – 5:30 pm	Testing Center
Quiz #1	Tuesday, April 9	12:00 – 1:00 pm	Testing Center
Quiz #2	Monday, April 15	3:30 – 4:30 pm	Testing Center
Quiz #3	Monday, April 22	3:30 – 4:30 pm	Testing Center
Exam 2	Monday, May 13	Final 11:00 am – 1:00 pm	Testing Center
Course Re-Exam:	Tuesday, May 21	2:30 – 4:30 pm	Testing Center

PPRAG 1677: Advanced Interprofessional Development: See Syllabus for assessment dates, locations, and times.

Final Exam Schedule

<u>Mon 5/13</u>	<u>Tues 5/14</u>	<u>Wed 5/15</u>	<u>Thurs 5/16</u>	<u>Fri 5/17</u>
PPRAG 1675 Management 1	PPRAG 1667 CAM	PHIDG 1608 IS8 PSD7 Make-up Workshop	PHIDG 1609 IS 9	PHIDG 1608 Make-up Exams
<u>Mon 5/20</u>	<u>Tues 5/21</u>	<u>Wed 5/22</u>	<u>Thurs 5/23</u>	<u>Fri 5/24</u>
IS9 Make-Up Exams	Course Re-Exams: PHIDG 1608 (morning) PPRAG 1675 (afternoon) IS8 & IS9 Final Exam Reviews	PHIDG 1609 Course Re-Exam		SPGC Meets (~11am)

Spring 2024 Electives

Final exams in elective courses will be taken during the last scheduled elective class period.

PPRAG 1428 Acute Care Cardiology (1.5qhrs)

Max: 20

Course Director: Dr. Nicole Murdock

Description: This elective course provides students with an in-depth review and expansion of knowledge regarding the management of medical pharmacotherapy in patients with cardiovascular disease states, building upon concepts that were introduced in Integrated Sequence 4 and 5. The class is focused on application of knowledge to improve patient care. Learning techniques that will be utilized include lecture, discussion, formulation of a pharmacists' patient care process plan (PPCP) for patient cases, and evaluation of primary literature.

Prerequisites: PHIDG 1604 & 1605 Integrated Sequence 4 & 5.

PPRAG 1411 Pharmacological Management of Chronic Pain (1.5qhrs)

Max: None

Course Director: Dr. Robert Kronenberg

Description: The objective of this course is to provide students with a basic understanding of the differences between chronic and acute pain. Pharmacological treatment of acute pain is relatively straightforward; management of chronic pain is often complicated and rarely achieves the patient quality of life goals. Upon completion of this course students will understand how to assess pain; understand the differences between addiction, dependence, and tolerance; be able to recommend appropriate medication therapies for nociceptive and neuropathic pain; understand the reasons for the multitude of available analgesic choices; understand the role of complementary and alternative medicine (CAM); and be conversant with the legal and ethical issues of pain management.

Prerequisite: PHIDG 1607 Integrated Sequence 7

PPRAG 1420 Pharmacy Based Immunization Delivery-AzPA (2qhrs)

Max: 75

Course Director: Dr. Kelly Fine

This class is offered on one weekend (April 20 – 21). There are approximately 12 to 15 hours of pre-course on-line modules and a quiz that must be completed prior to the class.

Description: Pharmacy-Based Immunization Delivery is an innovative and interactive training program that teaches pharmacists & student pharmacists the skills necessary to become a primary source for vaccine information and administration. The program teaches the basics of immunology and focuses on practice implementation and legal/regulatory issues.

Prerequisite: MICRG 1553 Immunology; and blood-borne pathogen training.

PPRAG 1433 Introduction to Specialty Pharmacy (1.5qhrs)

Max: 24

Course Director: Dr. Janelle Vircks

Description: This elective provides an opportunity for students to learn current therapies, management of patients and other operations requirements within specialties including Solid Organ Transplant/BMT, Oncology, Inflammatory (Rheumatology,

Dermatology), and Infectious Disease (HIV and Hepatitis C). The course is composed of alternating disease state overview presentations with student case study presentations the following week for practical application. A take-home quiz designed in part by the student presenting will be completed by rest of class utilizing guidelines, class material and any references needed.

Prerequisite: Enrollees must be in PS-2 year. (PS-2 standing)

PPRAG 1445 Being a Leader and the Effective Exercise of Leadership (2.0qhrs)

Max: 25

Course Director: Dr. Sam Katzif

Description: Given the complex and demanding environment of health care, effective leadership is often required to meet these challenges. This course is designed to provide you with the foundational tools for actionable access to being who you need to be, to be a leader, and with what it takes to exercise leadership effectively in all aspects of your life. This course is a leadership laboratory in which you will discover for yourself a new context for leader and leadership. Instead of more knowledge about leadership, you will gain access to actually being a leader and effectively exercising leadership as your natural self-expression through in class discussions, group work, out-of-class assignments, and a leadership project. During the course your current thoughts on leadership will be challenged, new ways of thinking will emerge, and you will leave with new actions to create even greater success in the areas of life and leadership that matter most to you.

PPRAG 1448 Advanced Psychiatric Pharmacy (1.5qhrs)

Max: 25

Course Director: Dr. Tiffany Golz and Dr. John Kohli

Description: This elective will provide PharmD students with advanced knowledge of mental health and mental illness as it relates to the practice of pharmacy in the clinical setting and define the role of pharmacists in providing mental health care.

Prerequisite: PHIDG 1607 Integrated Sequence 7

PPRAG 1449 Advanced Research Methods: Using Analytics in Health Care Research (3.0qhrs)

Max: 10

Course Director: Dr. Kathleen Fairman

Description: This course is designed to give students practical, hands-on experience in literature review, development of research questions and hypotheses, study design, analytics, and research reporting. Working iteratively throughout the course, students develop a research project on a topic of their choice, complete an ethics application, analyze the data, and produce a final research report. The report may be cited as a research project on applications for residency or fellowship, and may be suitable for conversion after course completion to a poster presentation for one or more scientific meetings. Focus is on practical methods, effective project management, and basic interpretive techniques to facilitate research projects for residency, fellowship, or employment. The course prepares students to engage and collaborate effectively with a health care team, using evidence-based, accurate analysis and clear communication about statistical results.

Prerequisite: PPRAG 1672 Research Methods and Epidemiology and PPRAG 1676, with a grade of "B" or better in both courses, and permission of the instructor

IPECG 1402C Improving Patient Safety 2 (1.5qhrs)

Initial Max: 15 (CPG)

Course Directors: Dr. Cara Copeland (CDMA), Dr. Larry Sands (AZCOM); Dr. Shawn Tennant (CPG) Enrollment depends on CDMA

Description: This interprofessional on-line course will introduce students to how they can improve patient safety and reduce medical errors. The course instruction is through on-line Institute for Healthcare Improvement (IHI) educational modules, reinforcing that knowledge through authentic-team case study discussions and self-reflection writings. **Completion of IPECG 1401 and IPECG 1402 (Spring 2023) will lead to an IHI certificate.**

Prerequisite: Enrollees must be in PS-2 year. (PS-2 standing)

PPRAG 1301 (1.5qhrs) or PPRAG 1302 (3qhrs): Special Project/Research

PSCIG 1301 (1.5qhrs) or PSCIG 1302 (3qhrs): Special Project/Research

Course Director: Faculty Sponsor

Description: This course provides an opportunity for students to work with individual faculty mentors on projects of variable scope but always projects with academic rigor. Activities covered under Special Projects may include library, laboratory or survey-type research that is intended to result in publication or a poster. All work related to a Special Project must occur in the quarter academic elective credit is sought. All Special Projects require prior review for academic rigor and approval by both the appropriate Department Chair and the Dean's Office. A Special Project Request Form must be completed and provided to the Department Chair, outlining specifically what the student will be responsible for and the hours and location(s) involved. Special Projects can be graded pass/fail or for a letter grade, but how the grade will be determined must be clearly described. A Special Project Form must be completed (including signatures) in addition to online registration for enrollment and prior to the last Friday of the first week of the quarter for which academic credit is sought.

Final exams in elective courses will be taken during the last scheduled elective class period.

MWU-CPG reserves the right to revise the curriculum at any time when deemed necessary.