

Syllabus

Topics in International Pharmacy

Faculty

Jennifer Seifert, MS, RPh, BCGP

Associate Professor of Pharmacy Practice
Director of the Office of Continuing Professional Development
Email: seifert.20@osu.edu

Myriam Shaw Ojeda, PharmD

Assistant Professor of Pharmacy Practice
Director of Pharmacy Extension and Public Health Initiatives
Email: shawojeda.1@osu.edu

Course Description

This course will engage students in discussions relating to international healthcare and pharmacy practice as well as strengths, challenges, and opportunities in pharmacy and healthcare in global settings. The discussions will be facilitated via readings, web-based resources, and online guest, faculty, and student presentations.

Learning Objectives

In this course, students will:

1. Discuss differences and similarities between pharmacy and healthcare in the country you have presented, the United States, and other countries presented by classmates and guest lecturers in the course.
2. Explain how healthcare system structure affects pharmacy and healthcare services for patients and providers.
3. Explain how a healthcare opportunity/challenge/issue of your choosing was created by or is impacted by the healthcare system of the country you have selected.
4. Compare how the opportunity/challenge/issue is handled in other countries that have been presented through discussions.
5. Propose solutions for the challenge/issue identified or how to integrate the opportunity identified to optimize health and pharmacy systems in the proposed country or the US.

Selected Readings and Website Resources

- Kaiser Foundation Global Health Policy
- International Pharmaceutical Federation (FIP)
- World Health Organization
- Stuart, A. (2002). The state of the world's pharmacy: A portrait of the pharmacy profession. *Journal of Interprofessional Care*, 16(4): 391-404.
- International Pharmacy Education Supplement. *American Journal of Pharmaceutical Education* Volume 72, Issue 6, 2008
- Good Pharmacy Practice (GPP) in Developing Countries (Recommendations for StepWise Implementation). International Pharmaceutical Federation (FIP), 1998
- Developing Pharmacy Practice (A Focus on Patient Care). World Health Organization & International Pharmaceutical Federation (FIP), 2006
- Pharmacy on a bicycle: innovative solutions to global health and poverty, E.G. Bing & M.J. Epstein, 2013, BK Publishers)
- Birn A-E, Pillay Y, Holtz TH. *Textbook of Global Health*. New York: Oxford University Press; 2018. Link to E-book: [Textbook of Global Health](#)

Teaching Methods

The methods used in this course involve online presentations and discussions. Through a series of guest and faculty lectures, students will be introduced to pharmacy in several countries where the presenter currently practices or has spent significant amounts of time in that country as a pharmacist, patient, or academic partner. By providing examples of presentations, students will be given ideas and examples for the creation of their own presentation about a country of their choosing. Through presentations and facilitation of discussion, students will enhance their knowledge of pharmacy in another country and share thoughts, ideas, and reactions with classmates to enhance understanding and appreciation for pharmacy in other healthcare systems. These active learning strategies will also give students the ability to practice facilitating multidisciplinary, online discussions, a method often used when participating in international thought exchanges and collaborations.

Depending of the size of enrollment for the class, the class may be divided into two groups for the student presentation portion of the course. Both groups will aim to have a mix of students from the BSPS, PharmD, and other health science programs.

Assessments

1. Country/topic presentation
2. Discussion facilitation/supplemental resource
3. Discussion participation
4. Presenter surveys
5. Seminar paper
6. Reflective Essay

Country/Topic Presentations: Each student will create a 20-30 minute presentation on pharmacy in another country and/or a topic related to pharmacy or healthcare in the chosen country in consultation with the course instructor (note: each presenter is required to cover a country not previously discussed in class).

- Country and topic selections are due for review by Friday January 28 at 11:59PM.
 - Each student should submit three countries/topics and three potential presentation weeks for their presentation
 - One topic and one week will be chosen by the instructor to avoid duplication.

- Topics will be reviewed and approved by Tuesday February 1st at 5PM.
 - Country/topic selection and preferred dates for presentation at the discretion of faculty.
 - In order to distribute presentations throughout the course, assignment of preferred dates may not be possible.
- Presentation submission: Completed presentations should be submitted to the instructor by the Wednesday prior to the assigned presentation week by 11:59PM.
 - Example: Presentations assigned for the week of *February 14* should be submitted by *11:59PM on Wednesday February 9, presentations for the week of February 21 should be submitted by 11:59PM Wednesday February 16, etc.*
- Suggestions for organizing your presentation include the following:
 1. Pharmacy/Healthcare Practices in Other Countries
 - a. What is the structure of the country's healthcare system?
 - b. Who funds the healthcare system?
 - c. What are the major healthcare/medication issues?
 - d. How are pharmacists trained?
 - e. What is the role of the pharmacist?
 - f. How does pharmacy practice in the country you have studied differ from the U.S.?
 2. Global Pharmaceutical/Healthcare Strength, Challenge, or Opportunity
 - a. What is the nature and scope of the topic you are presenting?
 - b. What role do/could pharmaceuticals play in causing or improving this problem/issue?
 - c. What model initiatives exist for addressing this problem/issue?
 - d. What implications does this problem/issue have for global health?
 - e. What direct impact does the issue have on healthcare workers and patients?
- Students from non-pharmacy disciplines are invited to focus their presentation differently if desired. The use of medications in the country being presented should remain the primary emphasis, but students should feel free to draw connections to their own field of study as well. For example, public health students may wish to relate the use of medications to important public health concerns in the country being presented.
 - Students wishing to take this different approach to their presentation should discuss their ideas with the course instructor.
- All students should review the Carmen web resources and any other useful materials to get a basic understanding of the countries to be discussed each week.
- The assessment rubric used for the presentation can be found on Carmen.

Discussion Facilitation/Supplemental Resource: Each student presenting will be responsible for facilitating a discussion based on the country/topic presented during the week of their presentation and providing a supplemental resource that complements the presentation and informs discussion.

- The discussion facilitator (that week's presenter) will be responsible for determining a prompt statement/question, moderating, and guiding the discussion.
- The discussion facilitator should send the supplemental resource link/file in with the discussion prompt to the Carmen drop box with their discussion prompt.

- The discussion facilitator should have their discussion prompt to the course instructors the *Wednesday* prior to their assigned presentation week with their presentation for uploading into Carmen.
 - Example: Discussion facilitation prompt and supplemental resource assigned for the week of *February 14* should be submitted by *Wednesday February 9, etc.*
- For online discussion facilitation suggestions, please see the resources on Carmen.

Discussion Participation: Students will be responsible for participating in the discussions posted each week relating to the presentations.

- **Students participating in the discussion are responsible for 2 contributions to each discussion board on 2 separate days each week OR 1 video post.**
- Discussions will open on Monday at 8:00AM each week and close on Saturday at 11:59PM. Participation for the week will be determined the Monday after the discussion posts are due and will be for contributions made prior to the Saturday 11:59PM deadline.
- **For written discussion option:**
 - Your first discussion contribution(s) should be made by Wednesday each week and the second contribution(s) before the Saturday deadline to facilitate an active discussion.
 - Two separate contributions should be posted as two separate replies or thread posts, not within the same post.
- **For the video post option:**
 - You video post must be uploaded before the deadline on Saturday.
- **Satisfactory grades for the course will require completion of 85% of discussion contributions and presenter surveys. This allows for a couple of “unexcused absences” before your grade is affected.**
 - **Each discussion contribution is worth 0.5 points and each video post worth 1 point.**
 - *Note: The student responsible for facilitating the discussion will not be assessed for participation in their own discussion. See above for facilitation responsibilities. The student facilitating a discussion will still be responsible for participation in the other discussion during the week if there are 2 groups in the course.*

Presenter Surveys: For each week of student presentations (starting in week 7), there will be a survey for each student presenter to provide feedback for the presentation.

- Students not providing the presentation are responsible for filling out surveys for each presenter (2 each week starting week 7).
- **Satisfactory grades for the course will require completion of 85% of discussion contributions and presenter surveys. This allows for a couple of “absences” before your grade is affected.**
 - **Each presenter feedback survey is worth 1 point.**
- Presenter surveys assigned for the week should be completed by Saturday at 11:59PM each week.
- The template for presenter surveys can be found on Carmen. The surveys will be available via Qualtrics online software in a link provided in each week’s module.

Seminar Paper: Each student will prepare and submit a 2-3 page paper (excluding references) relating to their presentation topics. Topics for the seminar paper will be approved by the instructor.

- Example topics: an in-depth focus of how the topic affects healthcare in the chosen country, current innovations or solutions for pharmacy in another country that are applicable to your country or topic, how the topic discussed impacts other countries discussed in the class, how the topic came to be, etc.
- Topics for seminar papers are due for review by Wednesday February 23 at 11:59PM.
 - Topics will be reviewed and approved by Friday February 25 at 5PM.
- Seminar papers are due on Wednesday April 6 at 11:59PM.
- References will not be included in the page limit.
- Guidelines for the seminar paper can be found on Carmen.

Reflective Essay: The reflective essay in this course is designed to get students thinking about how the principles and concepts discussed relate to their professional and personal lives and evaluate their ability to make meaningful connections between the course material and set individual goals for the course.

- The reflective essay should be 1 page, double-spaced, 12 point Times New Roman or Arial font with 1 inch margins.
- The reflective essay will be assigned on Sunday April 10.
- The reflective essay is due on Wednesday April 20 at 11:59PM.
- A guide for writing reflections can be found on Carmen.

Grading:

Satisfactory (S) – satisfactory completion of presentation, supplemental resource, discussion facilitation, seminar paper, and course reflection with >85% participation (discussion contribution and survey completion) Unsatisfactory (U) – lack of satisfactory completion of presentation, supplemental resource, discussion, facilitation, seminar paper, and/or course reflection OR <85% participation (discussion contribution and survey completion)

Honor System for Doctor of Pharmacy Students:

The Honor System for Doctor of Pharmacy Students will be applied to all students enrolled in this course. The Honor System for Doctor of Pharmacy Students describes behaviors expected of all Pharm.D. students and procedures for handling misconduct if it occurs. It also delineates expected educational efforts regarding the Honor System for all students, faculty and staff. Each Pharm.D. student is required to accept this Honor System before participating in classes. The Honor System states that any student, faculty member, or staff member who witnesses a suspected Honor System infraction is honor-bound to report the suspected infraction to the Associate Dean for Academic Affairs, Dr. Jim McAuley, in the Dean's Office Parks Hall within two business days of its occurrence. This report may be made in person, or in writing using the "Report of Suspected Honor System Infraction" form. Failure to report a suspected infraction constitutes an Honor System infraction. The "Honor System for Doctor of Pharmacy Students" and the "Report of Suspected Honor System Infraction" form are both available on the College of Pharmacy's website (<http://www.pharmacy.ohio-state.edu>). The Associate Dean for Academic

Affairs is available to advise any student, faculty member, or staff member with regard to any matter involving the Honor System.

Disability statement

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let Dr. Kelley know immediately so that we can privately discuss options. You are also welcome to register with Student Life Disability Services to establish reasonable accommodations. After registration, make arrangements with Dr. Kelley as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. **SLDS contact information:** slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Your Mental Health

A recent American College Health Survey found stress, sleep problems, anxiety, depression, interpersonal concerns, death of a significant other and alcohol use among the top ten health impediments to academic performance. Students experiencing personal problems or situational crises during the quarter are encouraged to contact the College of Pharmacy Office of Student Services in room 150 Parks Hall (614-292-5001) OR OSU Counseling and Consultation Services (614-292-5766) for assistance, support and advocacy. This service is free and confidential.

Student and Instructor Expectations

It is expected that all students and faculty involved in this course will conduct themselves in an appropriate, professional manner through their communication, attitude, and treatment of others.

For Students, this includes but is not limited to: participating in class by watching and reading assigned materials weekly, participating in discussions associated with presentations, abiding by the Honor Code, integrating self-study and collaboration with classmates into your work habits, providing feedback in a constructive and professional manner, respecting the rights, feelings and confidentiality of all students and faculty participating in the course, and refraining from disruptive behaviors in discussions. While differing points of view are encouraged and expected in this course, it is also expected that these points of view will be expressed in a respectful and professional manner. Confrontational or discriminatory behavior will not be tolerated.

Please check Carmen regularly for any class updates and new documents. Carmen will be the primary way that instructors will communicate with students about the course.

In consideration of this course being provided online, email will be the primary way that students and the instructors will communicate in one-on-one scenarios. If the instructor feels that a student comment or question provided in email has broader application for the class, updates will be made to Carmen.

Emails sent to faculty will be responded to within a reasonable amount of time. If you have not heard back from the instructor within 48 hours during the week or by 5PM Monday following the weekend, please send a polite reminder email.

For Instructors, this includes but is not limited to: holding students accountable for pre-class work, modelling professional behavior, abiding by the Honor Code, being timely in posting course materials for Carmen, encouraging students to think independently, practice self-learning techniques and be responsible for their progress in each course, and enforcing the expectations.

Course Schedule:

Your group assignments in the schedule correspond to your discussion group assignments on Carmen. Please note that each group member is responsible for viewing the videos, participating in the discussions, and submitting feedback surveys for their group members.

All videos will be available to both groups for reference, but the videos that are not assigned for your group are not required for viewing if the course enrollment is large enough to divide into two groups. Topic discussions will be based on prompts submitted by the presenting students and will be available on Carmen.

Readings and Assignments	Week
<p>Watch:</p> <ul style="list-style-type: none"> Welcome to Topics in International Pharmacy Course Orientation Pharmacy in the USA – Course Instructors “Introduction to Pharmacy Course Materials” (See Selected Readings and Website Resources) <p>Do:</p> <ul style="list-style-type: none"> Discussion: Tell us about you – Intro (1 point) Discussion: Pharmacy in the USA (0.5 points/post; up to 1 point) Syllabus and pre-class survey (1 point) 	<p>1 January 10 – 15</p> <p>Total week 1 points: 3</p>
<p>Watch:</p> <ul style="list-style-type: none"> Pharmacy in Ghana – Dr. Daniel Ankrah Film: Breaking the Wall of Tropical Diseases: How the Tropical Laboratory Initiative is Increasing Access to health Care in Low-Resource Countries <p>Do:</p> <ul style="list-style-type: none"> Discussion: Pharmacy in Ghana (0.5 points/post; up to 1 point) 	<p>2 January 17 – 22</p> <p>Total week 2 points: 1</p>
<p>Watch:</p> <ul style="list-style-type: none"> Pharmacy in South Korea – Dr. Helen Kim Film: South Korea: The Return of the Spirits – World Medicine <p>Do:</p> <ul style="list-style-type: none"> Discussion: Pharmacy in South Korea (0.5 points/post; up to 1 point) 	<p>3 January 24 – 29</p> <p>Total week 3 points: 1</p>

Watch: <ul style="list-style-type: none"> Pharmacy in Ethiopia – Dr. Robert Brueggemeier Film: Counterfeit Culture & The Patent Wars Do: <ul style="list-style-type: none"> Discussion: Pharmacy in Ethiopia (0.5 points/post; up to 1 point) See “country/topic presentations” section above and <u>submit choices for country/topic and preferred dates for presentations by 11:59PM on Saturday January 29</u> Receive: <ul style="list-style-type: none"> Presentation topic and date approval by <u>5PM on Tuesday February 1st</u> 	4 January 31st – February 5 Total week 4 points: 1
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------

Readings and Assignments		Week
Watch: <ul style="list-style-type: none"> Pharmacy in Kenya – Dr. Chelsea Pekny Film: Doctors and Nurses: Can Poor Countries Train and Retrain Them? Watch clips: Improving access to medicines & Lab on a card Do: <ul style="list-style-type: none"> Discussion: Pharmacy in Kenya (0.5 points/post; up to 1 point) 		5 February 7-12 Total week 6 points: 1
Group A	Group B	6 February 14 – 19 Total week 7 points: 4
Watch/View: <ul style="list-style-type: none"> Pharmacy in Pharmacy in 	Watch/View: <ul style="list-style-type: none"> Pharmacy in Pharmacy in 	
Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	
Group A	Group B	7 Feb 21 - 26 Total week 8 points: 4
Watch/View: <ul style="list-style-type: none"> Pharmacy in Pharmacy in 	Watch/View: <ul style="list-style-type: none"> Pharmacy in Pharmacy in 	
Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	
Group A	Group B	8 February 28 –

		March 5
Watch/View: <ul style="list-style-type: none"> Pharmacy in Pharmacy in 	Watch/View: <ul style="list-style-type: none"> Pharmacy in Pharmacy in 	
Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Total week 8 points: 4

		9
Group A	Group B	March 7 – 12
Watch/View: <ul style="list-style-type: none"> Pharmacy in Pharmacy in 	Watch/View: <ul style="list-style-type: none"> Pharmacy in Pharmacy in 	
Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Total week 9 points: 4
WEEK OFF		10
		March 14 – 19
Group A	Group B	11
		March
Watch/View: <ul style="list-style-type: none"> Pharmacy in Pharmacy in 	Watch/View: <ul style="list-style-type: none"> Pharmacy in Pharmacy in 	21 – 26
Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	
		Total week 11 points: 4
Group A	Group B	12
		Mar

Watch/View: <ul style="list-style-type: none"> • Pharmacy in • Pharmacy in 	Watch/View: <ul style="list-style-type: none"> • Pharmacy in • Pharmacy in 	28 – April 2
Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	
		Total week 12 points: 4

Group A	Group B	13 April 4 – April 9
Watch/View: <ul style="list-style-type: none">Pharmacy inPharmacy in	Watch/View: <ul style="list-style-type: none">Pharmacy inPharmacy in	Total week 13 points: 4
Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	
Do: <ul style="list-style-type: none">Seminar paper due by <u>11:59PM on Wednesday April 6</u>		
Group A	Group B	14 April 11 – 16
Watch/View: <ul style="list-style-type: none">Pharmacy inPharmacy in	Watch/View: <ul style="list-style-type: none">Pharmacy inPharmacy in	Total week 14 points: 4 - 6
Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	

Group A	Group B	15 April 18 – 22
Watch/View: <ul style="list-style-type: none">• Pharmacy in• Pharmacy in	Watch/View: <ul style="list-style-type: none">• Pharmacy in• Pharmacy in	Total week 15 points: 4-6
Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	Do: Discussion: Pharmacy in Discussion: Pharmacy in Speaker survey for Speaker survey for	
All Do: <ul style="list-style-type: none">• Course reflection assignment• Turn in course reflection by <u>11:59PM on Wednesday April 20</u>• Course survey by <u>11:59PM on Friday April 22</u> (1 point)		