

PHAR 7275 Public and Rural Health in Pharmacy Spring 2024

Course Description

This course explores the pharmacist's role in public health practice with a focus on rural health issues.

Additional Course Information

This course introduces the student to the pharmacist role in public health and the provision of care and preventative activities at the community and/or population level. During the course the students will be introduced to the essential functions and core areas of public health as well as develop an understanding of the contributors to public health problems. The major deliverable for the course is a project that will focus on the application of the core areas of public health and evidence-based models to the analysis, evaluation, identification, and development of an intervention plan based on the needs of a rural community.

Course Credit: 2 credit hours

Pre-Requisites: None

Co-Requisites: None

Class Meeting Days, Time & Location: Mondays, 10:00 am – 11:50 am; W.T. Brookshire Hall 235

Course Coordinator:

Frank Yu, Pharm.D., MPH

W.T. Brookshire Hall Room 238

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Office hours: Monday 2:00-5:00 pm or by appointment

Preferred method of contact: Email

Fisch College of Pharmacy (FCOP) and UT Tyler Policies

This is Part 1 of the syllabus. [Part 2](#) contains UT Tyler and the FCOP policies and procedures. For experiential courses (i.e., IPPE and/or APPE), the Experiential Manual contains additional policies and instructions that supplement the Syllabus Part 1 and 2. Please note, the experiential manual may contain policies with different deadlines and/or instructions. The manual should be followed in these cases.

Required Materials

Most course required materials are available through the Robert R. Muntz Library. These materials are available either online* (<http://library.uttyler.edu/>) or on reserve.

1. Covvey JR, Arya V, DiPietro Mager NA, et al., eds. Public Health in Pharmacy Practice: A Casebook. 2nd ed. Milne Open Textbooks; 2021. This textbook is available as a free open educational resource at: <https://milneopentextbooks.org/public-health-in-pharmacy-practice-a-casebook-2nd-edition/>
2. Other required materials will be posted on the classes' Canvas site. The site address is: uttyler.edu/canvas.

Recommended Materials

None

Course Format

The course may include, but are not limited to, the following activities:

1. Independent study of selected readings
2. Discussion
3. Individual formative assessments
4. In-class and out-of-class assignments
5. Group learning, active learning strategies:
 - a. Team application of content and concepts
 - b. Presentation of a team project

Course Learning Outcomes (CLOs)

CLOs	PLO(s) Assessed for this CLO (1-12)	EPAs (1-13) Only map for Lab, IPPE, APPE. Otherwise delete	ACPE Appendix 1	ACCP Didactic Toolkit	NAPLEX (1.1- 6.5)	MPJE (1.1- 4.7)	Assessment Methods (1-13)
1. Analyze population health data to identify trends and describe disparities	1, 4, 9	N/A	Public health	N/A	TBD	N/A	1,2,13
2. Describe strategies in improving public and population health	1, 9	N/A	Public health	N/A	TBD	N/A	1,2
3. Discuss current public health issues at the local and national levels	4, 9	N/A	N/A	N/A	TBD	N/A	10 or 13
4. Create solutions to address public health problems in rural communities	9	N/A	Public health	N/A	TBD	N/A	6, 8

Course Summative Assessment Methods

	Assessment/Examination Method
1	Question-based examination (ExamSoft-based)
2	Question-based examination (paper-based)
3	Comprehensive Case
4	Skills Assessment
5	OSCE
6	Team Project
7	Individual Project
8	Oral Presentation
9	SOAP Note
10	Reflection Essay
11	Simulation
12	Internship/Observation
13	Other major assignment. Please specify:

Grading Policy & Grade Calculation

Grades will be determined based on evaluation of assignments, formative assessments (for learning), and summative assessments (for mastery). For all intents and purposes, final examinations are synonymous with summative assessments. Assessments may consist of, but are not limited to, multiple-choice, true/false, fill in the blank, short-answer, essay, and problem-based questions. They may also include a variety of formats beyond the traditional question-based written examination, as each CLO may require different methods to determine student achievement.

Assignments, formative, and summative assessments may be **cumulative**. Students are responsible for material presented during prior courses. The grading scale for all graded material is below. The final course grade will be assigned according to the calculated percentage and the percentages will not be rounded upward or downward. For additional information, see [Part 2](#) of the syllabus.

During the time the course is in progress, students who obtain less than 75% on any summative assessment or a total course grade of less than 75% during a particular semester will receive an academic alert from the course coordinator and the Office of Academic Affairs and be subject to weekly in-course remediation with the course instructor(s).

Specifications Grade Calculation*

Individual Assessments:

- Individual Activities/Assignments #6
- Midterm Exam #1
- Final Exam #1

Team Assessments:

- Team Assignments #7
- Team Project Presentation #1

Revision tokens may be submitted to revise assignments (1 token), i.e., a “redo.” Students may earn up to 3 tokens for the semester at a rate of 1 token per assignment with a grade of Meets Expectations. Team assignment revisions require all team members to have an available token. Tokens will be used for each new assignment revision attempt. If asked to revise a revision, additional tokens not required for subsequent attempts on the same assignment.

****The final course letter grade will be determined according to the following grading scheme. The grade earned is the highest grade in which all criteria are met. If only partially meeting criteria, the grade earned will be that which aligns with the lowest scoring criterion.***

A	Grade of “Meets Expectations” for at least all of the following: <ol style="list-style-type: none"> 1. All individual assignments 2. 6 out of 7 team assignments 3. Midterm and Final average exam grade of 90.0% or higher 4. Team Project Presentation
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B	Grade of "Meets Expectations" for at least all of the following: 1. 5 out of 6 individual assignments 2. 6 out of 7 team assignments 3. Midterm and Final average exam grade of 80.0% or higher 4. Team Project Presentation
C	Grade of "Meets Expectations" for at least all of the following: 1. 4 out of 6 individual assignments 2. 6 out of 7 team assignments 3. Midterm and Final average exam grade of 70.0% or higher 4. Team Project Presentation
D	Midterm and Final average exam grade 65.0-69.99%
F	Midterm and Final average exam grade <65.0

Appropriate Use of Artificial Intelligence

For this course,

1. AI is permitted only for specific assignments or situations, and appropriate acknowledgment is required.

- a. Example 1: This course has specific assignments where artificial intelligence (AI) tools (such as ChatGPT or Copilot) are permitted and encouraged. When AI use is permissible, it will be clearly stated in the assignment directions, and all use of AI must be appropriately acknowledged and cited. Otherwise, the default is that AI is not allowed during any stage of an assignment.
- b. Example 2: During some class assignments, we may leverage AI tools to support your learning, allow you to explore how AI tools can be used, and/or better understand their benefits and limitations. Learning how to use AI is an emerging skill, and we will work through the limitations of these evolving systems together. However, AI will be limited to assignments where AI is a critical component of the learning activity. I will always indicate when and where the use of AI tools for this course is appropriate.
- c. Example 3: Most assignments in this course will permit using artificial intelligence (AI) tools, such as ChatGPT or Copilot. When AI use is permissible, it will be documented in the assignment description, and all use of AI must be appropriately acknowledged and cited. When using AI tools for assignments, add an appendix showing (a) the entire exchange (e.g., prompts used), highlighting the most relevant sections; (b) a description of precisely which AI tools were used, (c) an explanation of how the AI tools were used (e.g. to generate ideas, elements of text, etc.); and (d) an account of why AI tools were used (e.g. to save time, to surmount writer's block, to stimulate thinking, to experiment for fun, etc.). Students shall not use AI tools during in-class examinations or assignments unless explicitly permitted and instructed to do so.

- d. Example 4: In this course, we may use AI tools (such as ChatGPT and Copilot) to examine how these tools may inform our exploration of the class topics. You will be notified as to when and how these tools will be used, along with guidance for attribution. Using AI tools outside of these parameters violates UT Tyler’s Honor Code, constitutes plagiarism, and will be treated as such.

PHAR 7275 Course Schedule

WEEK	DAY	TOPIC	Instructor	CLO
1	1/13	Course overview; Public Health: History of Public Health and the Pharmacist’s Role Asynchronous: Public Health: Intervention development and evaluation	Yu	2
2	1/20	NO IN-PERSON CLASS MLK Asynchronous: Public Health: Basic concepts in epidemiology and population health data	Yu	1, 4
3	1/27	Public Health: Health behavior models/theories I	Yu	2, 4
4	2/3	Public Health: Health status of Northeast Texas	Yu	1, 3, 4
5	2/10	Public Health: Health behavior models/theories II	Yu	2, 4
6	2/17	Public Health: Causes and solutions in health equity	Yu	1, 2
7	2/24	Midterm		
8	3/3	Public Health: Rural health	Yu	2
9	3/10	Public Health: Disease prevention and health promotion	Yu	1, 2, 4
NO CLASS SPRING BREAK				
10	3/24	Public Health: Health messaging/communication	Yu	2
11	3/31	Public Health: Contemporary public health issues I	Yu	3
12	4/7	Public Health: Contemporary public health issues II	Yu	3
13	4/14	Public Health: Team Presentations	Yu	4
14	4/21	Public Health: Team Presentations	Yu	4
15	4/30	Final Exam 1:00-4:00 PM		
<i>Please note that dates, topics, and assignments are subject to change. In the event of a change, you will be given ample notification of the change.</i>				