

# PHA5922 Thinking Skills in Pharmacy

Spring 2021

2 Credit Hours –A-E Grading

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*To develop an awareness through practice of how to think critically and creatively and to apply these skills both personally and professionally in pharmacy practice.*

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## Teaching Partnership Leader

Michael Schwartz, Pharm.D.

- Email: [mike@cop.ufl.edu](mailto:mike@cop.ufl.edu)
- Office: GNV Campus
- Phone: 352-273-6241
- Office Hours: Please see the Canvas course site for posted office hours.

See Appendix A. for Course Directory of Faculty and Staff Contact Information.

## Entrustable Professional Activities

This course will prepare you to perform the following activities which the public entrusts a Pharmacist to perform:

1. Collaborate as a member of an interprofessional team
2. Educate patients and professional colleagues regarding the appropriate use of medications

## Course-Level Objectives

Upon completion of this course, the student will be able to:

1. Evaluate reasoning, logic, and claims made by others in professional writings.
2. Use critical thinking and problem-solving skills to interact with patients, health-care providers, and other stakeholders.
3. Recognize awareness of one's own biases and conditioned methods of thinking and how to change these to better serve patients and the profession of Pharmacy.
4. Apply reflective thinking skills in order to assess actions and appropriately respond during discussions.
5. Communicate with groups about professional issues while considering that others think differently.

## Course Pre-requisites

1. Completion of all Year 1 Pharm.D. program coursework including milestones.

## Course Co-requisites

1. There are no co-requisites for this course.

## Course Outline

Please routinely check your campus calendar and the Canvas course site for any messages about changes in the schedule including meeting dates/times, deadlines, and room changes.

Date and Time	Mod#	Activity	Unit Topic	Contact Time [hr.]a	Faculty
	1	Module	Course Intro	1	Schwartz, Childs-Kean, St.Onge
		Video Lecture	Introductory Video	0	
		Other	Review Class Schedule and Syllabus	0	
4/21/21		Active Learning Session--Async	Intro Session	1	
		Module	Module 1: Introduction to the Course	6.75	Schwartz, Childs-Kean, St.Onge
		Reading	Which One Are You (Open after each class starts)	0	
		Reading	Reading "Basics of Critical Thinking No. 1"	0	
		Reading	Common Fallacies in Reasoning	0	
4/23/21 @ 12pm		Assignment Graded	Exercises 1A and 1B	0	
4/23/21 @ 12pm		Assignment Graded	Puzzlers -- See Canvas	0	
		Reading	Reading "Characteristics of a Critical Thinker"	0	
		Video Lecture	Video on Journal Writing	0	
		Video Lecture	Video on the KWIC Method	0	
		Reading	Mind Map Materials	0	
4/23/21 @ 12pm		Assignment Graded	Create a Mind map of the Profession of Pharmacy.	0	
4/23/21 @ 12pm		Assignment Graded	Assignment: Day 3 - Reflect on how you rate relative to the characteristics of a Critical Thinker	0	
		Reading	Bloom's Taxonomy Articles	0	
		Video Other	UTube Video on Critical Thinking	0	

		Reading	Reading: Summaries of the 6-Hats Thinking Method	0	
		Reading	Six Thinking Hats List (WORD Document)	0	
4/23/21		Active Learning Session--Async	Active Learning Session 1	3	
		Module	Module 2	6.75	Schwartz, Childs-Kean, St.Onge
4/26/21 @ 12pm		Assignment Graded	Journal Day 4		
		Reading	Reading "Basics of Critical Thinking No. 2"	0	
4/26/21@ 12pm		Assignment Graded	Exercises 2A and 2B	0	
4/26/21@ 12pm		Assignment Graded	Puzzlers Who owns the mule Cards on the Table	0	
		Reading	Reading "Art of Focused Conversation"	0	
		Video Lecture	Video on Focused Conversation	0	
		Reading	Articles on Socratic Questioning	0	
		Video Lecture	Video on Socratic Questioning	0	
		Reading	List of Discussion topics on Socratic Questioning	0	
		Video Lecture	Video on Term Project Examples	0	
		Video Other	Two Videos on Fallacies	0	
		Reading	List of Fallacies used in the Fallacy Game	0	
		Reading	Reading on DOIT	0	
4/26/21		Active Learning Session--Async	Active Learning Session 2	3	
		Module	Module 3	5	Schwartz, Childs-Kean, St.Onge
4/27/21 @ 12pm		Assignment Graded	Journal Day 5		
4/28/21@ 12pm		Assignment Graded	Journal Day 6		
		Video Lecture	Video "Business of Paradigms"	0	

4/28/21@ 12pm		Assignment Graded	Write Focused Conversation Questions for the Business of Paradigms	0	
See Canvas for Due Dates		Assignment Graded	Puzzlers for two days 9 Horses Who lives Where Letter Multiplication Murder in the Family	0	
4/28/21 @ 12pm		Assignment Graded	List of Problems foe DOIT Exercise	0	
		Reading	Discussion topics on Socratic Questioning	0	
4/28/21 @ 12pm		Assignment Graded	List of Topics for Socratic Questioning Exercise	0	
4/28/21 @ 12pm		Assignment Graded	Term Project Outline	0	
4/28/21 @ 12pm		Assignment Graded	Duck and Horses Exercise	0	
4/28/21`		Active Learning Session--Async	Active Learning Session 3	3	
		Module	Module 4	1	Schwartz, Childs-Kean, St.Onge
4/29/20 @ 12pm		Assignment Graded	Journal Day 7	0	
4/30/21@ 12pm		Assignment Graded	Journal Day 8	0	
		Reading	Articles on Debating	0	
		Video Lecture	Video on Debating	0	
4/30/.21@ 12pm		Assignment Graded	Analyze Argument Problems (Add Answers on class Day at Noon)	0	
See Canvas for Due Dates		Assignment Graded	Puzzlers for two days Sticks and Squares Nowhere, Nebraska What is Truth BODY to SOUL	0	
		Reading	Debate Scoring Form	0	
4/30/21		Active Learning Session--Async	Active Learning Session 4	3	
		Module	Module 5	0.25	Schwartz, Childs-Kean, St.Onge

5/3/21 @ 12:00pm		Assignment Graded	Journal Day 9	0	
		Video Lecture	Video on Triple A Approach	0	
		Assignment Graded	Letter to the Dean	0	
		Video Lecture	Video on Logic	0	
5/3/21@ 12:00pm		Assignment Graded	Logic Problems	0	
5/3/21@ 12:00pm		Assignment Graded	The Heinz Dilemma Exercise	0	
See Canvas for Due Dates		Assignment Graded	Puzzlers Choices Black and White Hats	0	
5/321		Active Learning Session--Async	Active Learning Session 5	3	
		Module	Module 6	0	Schwartz, Childs-Kean, St.Onge
5/4/21` @ 12:00pm		Assignment Graded	Journal Day 10	0	
5/5/21@ 12:00pm		Assignment Graded	Journal Day 11	0	
5/521 @ 12:00pm		Assignment Graded	Three Things	0	
5/6/21 @ 12:00pm		Assignment Graded	Term Project	0	
5/5/2021		Active Learning Session--Async	Active Learning Session 6	3	
			<b>Total Contact Time in Course:</b>	<b>31.75</b>	

## Required Textbooks/Readings

1. No text is required for purchase.
2. Required readings will be available in Canvas.

Use [UF VPN to access UF Libraries Resources](#) when off-campus. The UF HSC library staff can assist you with questions or issues related to accessing online library materials. For assistance contact your College of Pharmacy librarian or visit the [HSC Library Website](#) at this URL: <http://www.library.health.ufl.edu/>.

## Suggested Textbooks/Readings

Suggested readings will be made available in Canvas.

## Other Required Learning Resources

N/A

## Materials & Supplies Fees

None

## Student Evaluation & Grading

*Contract Grading will be used during this course. A grade will be earned according to the following criteria:*

To earn a "C"*	The student must attend all class sessions, complete and hand in all Assignments on time, and be prepared for and participate fully in all class exercises. Note attendance and participation requirements*
To earn a "B"*	In addition to criteria for a "C": The student must turn in a satisfactory Journal of reflective thinking on the assigned topic each day except the first. A satisfactory journal indicates that the student is thinking about his/her own thinking and how it relates to the topic at hand. See Reflection Rubric in Appendix – a grade of at least 70% (competency level) must be achieved
To earn an "A"*	In addition to criteria for a "B": The student must develop a satisfactory Term Project which embraces critical and creative thinking and demonstrates the students' knowledge of the material covered in the course. The term Project may be done alone, with a partner or with a group of 3 or 4 and a detailed outline must be approved by the Instructor prior to the end of the first week of class. A Video is available on CANVAS showing examples of prior satisfactory Term Projects. Note attendance and participation requirements*
Late Assignments	Late assignments will receive a $\frac{1}{4}$ deduction from the total class grade for the first tardy submission. Further assignments submitted past the due date will receive a $\frac{1}{2}$ grade deduction (eg. A to A minus)
*Consideration of Attendance/Participation	*ONE LETTER GRADE will be deducted for lack of attendance or participation or unsatisfactory performance in other items.

## **Educational Technology Use**

The following technology below will be used during the course and the student must have the appropriate technology and software.

1. Canvas™ Learning Management System

For technical support, navigate to [Educational Technology and IT Support Contact Information](http://curriculum.pharmacy.ufl.edu/current-students/technical-help/) at this URL: <http://curriculum.pharmacy.ufl.edu/current-students/technical-help/>

## **Pharm.D. Course Policies**

The Policies in the following link apply to this course. Review the [Pharm.D. Course Policies](http://curriculum.pharmacy.ufl.edu/current-students/course-policies/) carefully, at this URL: <http://curriculum.pharmacy.ufl.edu/current-students/course-policies/>

## Appendix A. Course Directory

### Teaching Partnership Leader/Course Director:

Dr. Michael A. Schwartz Email: [mike@cop.ufl.edu](mailto:mike@cop.ufl.edu) Office: GNV  
Campus Phone: 352-273-6241

#### Questions to Ask:

- Concerns about performance
- Guidance when there are performance problems (failing grades)
- General questions about content

### Academic Coordinator:

Name: Misti Merrill  
Email: [mmerrill@cop.ufl.edu](mailto:mmerrill@cop.ufl.edu)  
Office: HPNP 4312  
Phone: 352-294-8677  
Absent/Tardy Email: [absent2pd@cop.ufl.edu](mailto:absent2pd@cop.ufl.edu) or [absent3pd@cop.ufl.edu](mailto:absent3pd@cop.ufl.edu)

### Educational Coordinators:

McKenzie Wallen  
Email: [mwallen@cop.ufl.edu](mailto:mwallen@cop.ufl.edu)  
Office: Jacksonville Campus

Email: [iallen1@cop.ufl.edu](mailto:iallen1@cop.ufl.edu)  
Office: Orlando Campus

Iverta Allen

#### Questions to Ask:

- Issues related to course policies (absences, make up exams, missed attendance)
- Absence requests (Only the Academic Coordinator handles absence requests)
- Questions about dates, deadlines, meeting place
- Availability of handouts and other course materials
- Assignment directions
- Questions about grade entries gradebook (missing grades, wrong grade)
- Assistance with ExamSoft® (Distant campus students may contact Education Coordinator for use of SofTest and assistance during exams. The Academic Coordinator is the contact person for issues related to grading and posting of ExamSoft grades.)



## Other Teaching Partnership Faculty Members:

Lindsey Childs-Kean

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Erin St. Onge, Pharm.D.

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Robin Moorman Li

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