

PHA5781 Patient Care I

Spring, 2021

3 Credit Hours – [A-E Grading]

Patient Care I will introduce principles related to providing self-care consultation that involves a patient request for either a non-prescription product or a dietary supplement. Principles of complementary alternative medicine (CAM) will also be introduced. Upon completion of this course, students will be able to use a structured process for assessing a patient who seeks self-care and be able to use appropriate resources to solve self-care scenarios commonly seen in the community setting.

Teaching Partnership Leaders

Robin Moorman-Li, Pharm.D., BCACP, CPE

- Email: moorman@cop.ufl.edu
- Office: JAX
- Phone: 904-244-9590

Office Hours: Please see 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:

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Patient Care Provider Domain

1. Collect information to identify a patient's medication-related problems and health-related needs.
2. Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs.
3. Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective
4. Implement a care plan in collaboration with the patient, caregivers, and other health professionals.
5. Develop a follow-up and monitor a care plan.

Interprofessional Team Member Domain

6. Collaborate as a member of an interprofessional team.

Population Health Promoter Domain

7. Identify patients at risk for prevalent diseases in a population.
8. Minimize adverse drug events and medication errors.
9. Maximize the appropriate use of medications in a population.

Information Master Domain

10. Use evidence-based information to advance patient care.

Course-Level Objectives

Given a case of a patient with one or more of the above disorders/pharmacotherapy needs, Integrate knowledge and use clinical reasoning skills in accomplishing the following steps when managing a patient with the disease state:

- i. **Collect:** Gather subjective and objective information and analyze the data in order to understand the relevant medical/medication history and clinical status of the patient.
 1. Subjective and objective information is collected through comprehensive medication review with the patient, medical record review, pharmacy profile review, and communication with other members of the health care team.
 2. A holistic view is initiated during collection in order to consider physiological, psychological, and sociological variables of the patient and this view is maintained throughout the patient care process.
- ii. **Assess:** Assess the information collected and formulate a problem list consisting of the patient's active medical problems and medication therapy problems in order to prioritize medication therapy recommendations to achieve the patient's overall health goals.
 1. Assess the patient's active medical conditions taking into account clinical and patient goals of therapy.
 2. Assess the indication, effectiveness, safety, adherence and convenience (administration, access, affordability) of each medication the patient is taking.
 3. Include in the assessment an evaluation of risk factors, relevant psychosocial issues, and the need for preventative care or for referral to another healthcare practitioner for further evaluation
 4. Formulate a medication therapy problem list, classifying the patient's medication therapy problems based on indication, effectiveness, safety, and compliance.
 5. Prioritize the patient's medication therapy problems.
- iii. **Plan:** Develop an individualized patient-centered care plan in collaboration with other health care professionals and the patient/caregiver that is evidence-based and as affordable as possible.
 1. For each problem, create patient-centered goal(s) in collaboration with the patient/caregiver and other members of the healthcare team
 2. Develop a care plan to manage the patient's active medical conditions and resolve the identified medication therapy problems.
 3. Identify monitoring parameters to assess effectiveness, safety, adherence, and quality of life.
- iv. **Implement:** Implement the care plan in collaboration with other health care professionals and the patient/caregiver.
 1. For each condition and associated recommended strategy for resolving identified MTPs, provide the medication order in its entirety, including full drug name, dose, dosage form, route of administration, dosing interval, duration of therapy
 - a. Discuss the care plan with the patient.
 - b. Educate the patient on his/her medications (which may include explanations of medication action, the regimen or its proper discontinuation, proper medication use and storage, expected results and when to expect them, possible adverse effects, and when and how to follow-up or seek additional care.

2. Where appropriate, contribute to coordination of care by providing documentation to other providers using an evidence-based method of communication, such as SBAR (Situation, Background, Assessment, Recommendation) or SOAP (Subjective, Objective, Assessment, Plan)
- v. **Follow-up with the Patient:** Monitor and evaluate the effectiveness of the care plan and modify the plan in collaboration with other health care professionals and the patient/caregiver.

Course Pre-requisites

1. Successful completion of Block 1, 2, and 3 courses.

Course Co-requisites

1. PHA5162L: Professional Practice Skills Lab II

Course Outline

See Appendix. 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.

Required Textbooks/Readings

Krinsky DL, Ferreri SP, Hemstreet B, et al. Handbook of Nonprescription Drugs: An Interactive Approach to Self-care. 20th ed. Washington, D.C.: American Pharmacists Association; 2020. ISBN: 1-58212-317-9

Not available via HSC Library

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 posted on Canvas.

Other Required Learning Resources

None

Materials & Supplies Fees

None

Student Evaluation & Grading

Evaluation Methods and How Grades are calculated.

[The Canvas® gradebook will be set-up using the percentages below to compute the grade.]

Assessment Item	Grade Percentage
Week 1: Introduction to Self-Care Products from a Consumer's Perspective	4%
Weeks 2-6: Case Vignettes in Self Care (n=11; Lowest score dropped)	15%
Weeks 2-6: In Class Quizzes: (n=5) (Open book)	15%
Week 2: Dietary supplement counseling (Collect & assess)	1.5%
Week 3: PPCP assignment Dermatology	2%
Week 4: PPCP assignment Cold and Cough	2%
Week 4: Refer or Treat –Pass/Fail Grading* Cold and Cough	1%
Week 5: PPCP submission GI	2.5%
Week 5: Refer or Treat –Pass/Fail Grading* GI	1%
Week 6: PPCP assignment Pain	2%
Week 6: Refer or Treat –Pass/Fail Grading* Pain	1%
Midterm Exam	25%
Final Exam (Comprehensive)	28%
Total	100%

Table 1.1 Evaluation and Grading Above

*Pass/Fail Grading: Passing score is set at 70% mastery or greater.

Note that late assignments will **NOT be accepted and a grade of zero will be given for the respective assignment.

***PPCP submissions can vary in format in each module

****Grades are final 1 week after all grading in module has been completed.

Table 1.2 grading scale

Percentage	Letter Grade
92.50-100%	A
89.50-92.49%	A-
86.50-89.49%	B+
82.50-86.49%	B
79.50-82.49%	B-
76.50-79.49%	C+
72.50-76.49%	C
69.50-72.49%	C-
66.50-69.49%	D+
62.50-66.49%	D
59.50-62.49%	D-
< 59.50%	E

Rounding of grades:

Final grades in Canvas will be rounded to the 2nd decimal place. If the decimal is X.495 or higher, Canvas will round the grade to X.50. The above scale depicts this policy and grades are determined accordingly. Grade assignment is made using this policy and NO EXCEPTIONS will be made in situations where a student's grade is "close."

Makeup Assignments

Makeup assignments will be required for excused absences from Active Learning Sessions. Students will be required to complete the makeup assignment within one week of the missed session.

Educational Technology Use

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

1. ExamSoft™ Testing Platform
2. Canvas™ Learning Management System

For technical support, navigate to [Educational Technology and IT Support Contact Information](#) 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 General [Pharm.D. Course Policies](#) carefully, at this URL: <http://curriculum.pharmacy.ufl.edu/current-students/course-policies/>

Course Evaluation Process

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Appendix A. Course Directory

Teaching Partnership Leader/Course Director:

Robin Moorman-Li, Pharm.D., BCACP, CPE

- Email: moorman@cop.ufl.edu
- Office: JAX
- Phone: 904-244-9590

Office Hours: Please see Canvas course site for posted office hours.

Questions to Ask:

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

Other Teaching Partnership Faculty Members:

Oliver Grundmann, Ph.D., M.S., M.E.

- Email: grundman@ufl.edu
- Office: Out-of-State, request Zoom appointment via email
- Phone: 352-246-4994

Joshua Pullo, Pharm.D.

- Email: jpullo@cop.ufl.edu
- Office: ORL
- Phone: 904-866-1292

Cary Mobley, RPh, PhD.

- Email: Mobley@cop.ufl.edu
- Office: HPNP 1315
- Phone: 352-273-6282

Kalen Manasco, PharmD

- Email: KManasco@cop.ufl.edu
- Office: HPNP 3310
- Phone: 352-294-8749

Instructional Designer:

Name: Holly Fremen

- Email: holly.fremen@cop.ufl.edu
- Office: HPNP 4309
- Phone: 352-273-5558

Academic Coordinator Gainesville Campus:

Name: Misti Merrill

- Email: mmerrill@cop.ufl.edu Office: HPNP 4312
- Phone: 352-273-6002

Absence/Tardy Email: absent1pd@cop.ufl.edu (Visit the course policy site for further instructions)

Educational Coordinators

Name: McKenzie Wallen

- Email: mwallen@cop.ufl.edu
- Office: Jacksonville Campus

Name: Iverta Allen

- Email: iallen1@cop.ufl.edu
- Office: Orlando Campus

Questions to Ask:

- Issues related to course policies (absences, make up exams, missed attendance)
- Absence/tardy 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 in gradebook (missing grades, incorrect grade)
- Assistance with ExamSoft® (Distance campus students may contact the Educational
- Coordinator for use of Exemplify and assistance during exams. The Academic Coordinator is the contact person for issues related to grading and posting of ExamSoft grades.

Student Dates of Recommended Study	Mod#	Activity	Unit Topic	Contact Min	Learning Objectives	Responsible
3/8/21	1	Video Other	Welcome Orientation Video			Robin Moorman Li
	1	Module	Module 1: Introduction to Self Care		1a, 1b, 3a, 3b	Robin Moorman Li
3/8/21	1	Reading	Read: Textbook Chapter 2 See Canvas for assigned sections.	15	1a, 1b, 3a, 3b	Robin Moorman Li/Kalen Manasco
3/8/21	1	Reading	Read: Textbook Chapter 11 See Canvas for assigned sections.	15	1a, 1b, 3a, 3b	Kalen Manasco
3/8/21	1	Reading	Read: Textbook Chapter 12 See Canvas for assigned sections.	15	1a, 1b, 3a, 3b	Kalen Manasco
3/8/21	1	Reading	Read: Textbook Chapter 50 See Canvas for assigned sections.	15	1a, 1b, 3a, 3b	Oliver Grundmann
3/8/21	1.1	Video Lecture	Watch: Introduction to Self-Care: Incorporating the PPCP Model	45	1a, 1b, 3a, 3b	Robin Moorman Li
3/8/21	1.2	Video Lecture	Watch: Special Populations in Self-Care: Elderly,	30	1a, 1b, 3a, 3b	Robin Moorman Li

			Medically Complex, Pregnant, and Lactating Patients			
3/8/21	1.3	Video Lecture	Watch: Special Population in Self Care: Pediatrics	30	1a, 1b, 3a, 3b	Kalen Manasco
3/8/21	1.4	Video Lecture	Watch: Introduction to Herbal/Plant-Based Products	45	1a, 1b, 3a, 3b	Oliver Grundmann
Due by 3/10/21 @ 11:59pm	1	Assignment Graded	Assignment: Team Project - Introduction to Self-Care Products and Dietary Supplements from a Consumer's Perspective: Report and selfie		1a, 1b, 3a, 3b	Robin Moorman Li
3/11/21 8:30am-11:30 am	1	Active Learning Session—All on Zoom	Active Learning Session 1: Introduction to Self-Care (3 hours) NO QUIZ IN ALS 1	180	1a, 1b, 3a, 3b	Cary Mobley, Joshua Pullo, Kalen Manasco, Oliver Grundmann, Robin Moorman Li
	2	Module	Module 2: Evidence Based Practice with Dietary Supplements and CAM		1a, 1b, 3a, 3b	Oliver Grundmann
3/12/21	2.1	Video Lecture	Watch: Introduction to evidence based decision making related to dietary	40	1a, 1b, 3a, 3b	Oliver Grundmann

			supplements & homeopathy, Collect & Assess steps of PPCP model			
3/12/21	2.2	Video Lecture	Watch: Federal regulations of dietary supplements	20	1a, 1b, 3a, 3b	Oliver Grundmann
3/12/21	2	Reading	Read: Textbook Chapter 52 See Canvas for assigned sections.	30	1a, 1b, 3a, 3b	Oliver Grundmann
Due by 3/17/21 @ 11:59pm	2	Assignment Graded	Assignment: Self-Care Case Vignettes [2]		1a, 1b, 3a, 3b	Oliver Grundmann
3/18/21 8:30-11:30am	2	Active Learning Session— Hybrid (Students in the classroom please also plan on signing into zoom)	Active Learning Session 2: Evidence Based Practice with Dietary Supplements and CAM (3 hours)	180	1a, 1b, 3a, 3b	Cary Mobley, Joshua Pullo, Oliver Grundmann, Robin Moorman Li
3/18/21	2	Quiz In-class Graded	Module 2 Quiz			Oliver Grundmann
3/18/21	2	Assignment Graded	Individual assignment submission: Dietary supplement counseling (Collect and assess)			Oliver Grundmann
	3	Module	Module 3: Dermatology Self Care		1a, 1b, 3a, 3b	Cary Mobley
3/19/20	3.1	Video Lecture	Watch: Dermatological Self Care I	60	1a, 1b, 3a, 3b	Cary Mobley
3/19/20	3.2	Video Lecture	Watch: Dermatological Self Care II	60	1a, 1b, 3a, 3b	Cary Mobley
3/19/20	3	Reading	Read: Textbook Chapters	45	1a, 1b, 3a, 3b	Cary Mobley

			33, 36, 38, 42—See Canvas for assigned sections.			
DUE by 3/24/21 @11:59pm PM	3	Assignment Graded	Assignment: Self-Care Case Vignettes [2]		1a, 1b, 3a, 3b	Cary Mobley
3/25/21 8:30am-11:30am	3	Active Learning Session— All Zoom	Active Learning Session 3: Dermatology Self Care (3 hours)	180	1a, 1b, 3a, 3b	Cary Mobley, Joshua Pullo, Robin Moorman Li
3/25/21	3	Quiz In-class Graded	Module 3 Quiz			Cary Mobley
3/25/21	3	Assignment Graded	Team Activity: PPCP development cases PPCP Submission-Dermatology			Cary Mobley
Thursday 4/1/21 2:00pm-4:00pm	1-3	Exam	Midterm Exam 1 (2 hours)	120	1a, 1b, 3a, 3b	Robin Moorman Li
	4	Module	Module 4: Allergies and Cold Self-Care		1-5	Joshua Pullo
4/2/21	4.1	Video Lecture	Watch: Dietary Supplements - Colds and Allergies	30	1-5	Oliver Grundmann
4/2/21	4.2	Video Lecture	Watch: Allergic Rhinitis	30	1-5	Joshua Pullo
4/2/21	4.3	Video Lecture	Watch: Cold and Cough	15	1-5	Joshua Pullo
4/2/21	4	Reading	Read: Textbook Chapter 11 See Canvas for assigned sections.	30	1-5	Joshua Pullo
4/2/21	4	Reading	Read: Textbook Chapter 12	30	1-5	Joshua Pullo

			See Canvas for assigned sections.			
4/2/21	4	Reading	Read: Textbook Chapter 51 See Canvas for assigned sections.	15	1-5	Joshua Pullo, Oliver Grundmann
DUE by 4/7/21 @ 11:59pm	4	Assignment Ungraded	Complete pro/con sheet cold/cough/allergy using lecture and textbook (to be used in active learning session)	15	1-5	Joshua Pullo
DUE by 4/7/21 @11:59pm	4	Assignment Graded	Assignment: Self-Care Case Vignettes [3]		1-5	Joshua Pullo
4/8/21 8:30-11:30am	4	Active Learning Session-Hybrid (Students in the classroom please also plan on signing into zoom)	Active Learning Session 4: Allergies and Cold Self-Care (3 hours)	180	1-5	Cary Mobley, Joshua Pullo, Oliver Grundmann, Robin Moorman Li
4/8/21	4	Quiz In-class Graded	Module 4 Quiz			Joshua Pullo
4/8/21	4	Assignment Graded	Refer or Treat 1			Joshua Pullo
4/8/21	4	Assignment Graded	PPCP submission			Joshua Pullo
	5	Module	Module 5: GI Self-Care		1-5	Robin Moorman Li
4/9/21	5.1	Video Lecture	Watch: Heartburn and Dyspepsia	30	1-5	Robin Moorman Li
4/9/21	5.2	Video Lecture	Watch: Nausea and Vomiting	15	1-5	Robin Moorman Li
4/9/21	5.3	Video Lecture	Watch: Diarrhea	15	1-5	Robin Moorman Li
4/9/21	5.4	Video Lecture	Watch: Constipation	30	1-5	Robin Moorman Li
4/9/21	5.5	Video Lecture	Watch: Dietary Supplements -	30	1-5	Oliver Grundmann

			Gastrointestinal Health			
4/9/21	5	Reading	Read: Textbook Chapter 13 See Canvas for assigned sections.	15	1-5	Robin Moorman Li
4/9/21	5	Reading	Read: Textbook Chapter 15 See Canvas for assigned sections.	30	1-5	Robin Moorman Li
4/9/21	5	Reading	Read: Textbook Chapter 16 See Canvas for assigned sections.	15	1-5	Robin Moorman Li
4/9/21	5	Reading	Read: Textbook Chapter 19 See Canvas for assigned sections.	30	1-5	Robin Moorman Li
4/9/21	5	Reading	Read: Textbook Chapter 51 See Canvas for assigned sections.	15	1-5	Oliver Grundmann
DUE by 4/14/21 @ 11:59PM	5	Assignment Ungraded	Complete Pro/con sheet GI product sheet using lecture and textbook: to be used in active learning session. (0.25)	15	1-5	Joshua Pullo
DUE by 4/14/21 @ 11:59PM	5	Assignment Graded	Assignment: Self-Care Case Vignettes [2]		1-5	Robin Moorman Li
4/15/21 8:30am - 11:30am	5	Active Learning Session—All Zoom	Active Learning Session 5: GI Self-Care (3 hours)	180	1-5	Cary Mobley, Joshua Pullo, Oliver

						Grundmann, Robin Moorman Li
4/15/21	5	Quiz In-class Graded	Module 5 Quiz			Robin Moorman Li
4/15/21	5	Assignment Graded	Refer or Treat 2			Robin Moorman Li
4/15/21	5	Assignment Graded	Week 5: PPCP submission			Robin Moorman Li
	6	Module	Module 6: Pain and Fever Self- Care		1-5	Robin Moorman Li
4/16/21	6.1	Video Lecture	Watch: Pain Management in the Self-Care Environment	60	1-5	Robin Moorman Li
4/16/21	6.2	Video Lecture	Watch: Dietary supplements: Pain Relief	30	1-5	Oliver Grundmann
4/16/21	6.3	Video Lecture	Watch: Dietary supplements & CAM: Back pain relief	15	1-5	Oliver Grundmann
4/16/21	6.4	Video Lecture	Watch: Fever: A focus on Pediatric Patients	45	1-5	Kalen Manasco
4/16/21	6	Reading	Read: Textbook Chapter 5	45	1-5	Robin Moorman Li
4/16/21	6	Reading	Read: Textbook Chapter 7 See Canvas for assigned sections.	15	1-5	Robin Moorman Li
4/16/21	6	Reading	Read: Textbook Chapter 6 See Canvas for assigned sections.	15	1-5	Kalen Manasco
4/16/21	6	Reading	Read: Textbook Chapter 51 See Canvas for assigned sections.	15	1-5	Oliver Grundmann

DUE by 4/21/21 @ 11:59pm	6	Assignment Graded	Assignment: Self-Care Case Vignettes [2]		1-5	Robin Moorman Li
4/22/21 8:30am - 11:30am	6	Active Learning Session— Hybrid (Students in the classroom please also plan on signing into zoom)	Active Learning Session 6: Pain and Fever Self- Care (3 hours)	180	1-5	Cary Mobley, Joshua Pullo, Kalen Manasco, Oliver Grundmann, Robin Moorman Li
4/22/21	6	Quiz In-class Graded	Module 6 Quiz			Robin Moorman Li
4/22/21	6	Assignment Graded	Refer or Treat 3			Robin Moorman Li
4/22/21	6	Assignment Graded	Week 6: PPCP Submission			Robin Moorman Li
4/26/21 8:30- 10:30am	1-6	Exam	Final Exam (2 hours)		All	Robin Moorman Li
			Total Contact Min:	2310		
			Total Contact Hours	38.5		