

PHA5788C Patient Care VI: Skin and Musculoskeletal Disorders

Fall 2023

3 Credit Hours – [A-E Grading]

Sixth of an eight-course sequence that prepares the student to provide patient-centered care by serving as a collaborative interprofessional team-member who is an authority on pharmacotherapy. The course continues to prepare the student to be a collaborative team member since learning during the course involves teamwork. This course focuses on providing patient-centered care to patients who have skin and musculoskeletal disorders.

Learners will develop, integrate, and apply knowledge from the foundational disciplines (i.e., pharmaceutical, social/behavioral/administrative, and clinical sciences) and apply the Pharmacists' Patient Care Process in solving case-based scenarios of these patients.

Teaching Partnership Leader/Course Director:

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

William Cary Mobley, Ph.D.

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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. Collect information to identify a patient's medication-related problems and health-related needs.
 - ST1.1. Collect a medical history from a patient or caregiver.
2. Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs.

- ST2.1. Assess a patient's signs and symptoms to determine whether the patient can be treated within the scope of practice or requires a referral
 - ST2.3. Interpret laboratory test results
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
 - ST3.1. Follow an evidence-based disease management protocol.
 - ST3.2. Develop a treatment plan with a patient. (including recommend therapeutic alternatives and generic substitution)
 - ST3.4. Select monitoring parameters to determine the therapeutic and adverse effects related to the treatment plan.
 - ST3.6. Create a patient-specific education plan.
 4. Implement a care plan in collaboration with the patient, caregivers, and other health professionals.
 - ST4.1. Write a note that documents the findings, recommendations, and plan from a patient encounter.
 5. Follow-up and monitor a care plan.
 - ST5.2. Evaluate the selected monitoring parameters to determine the therapeutic and adverse effects related to the treatment plan.
 - ST5.3. Recommend modifications or adjustments to an existing medication therapy regimen based on patient response.
 8. Minimize adverse drug events and medication errors.
 - ST8.1. Assist in the identification of underlying system-associated causes of errors.
 9. Maximize the appropriate use of medications in a population.
 - ST9.2. Apply cost-benefit, formulary, and/or epidemiology principles to medication-related decisions.
 12. Use evidence-based information to advance patient care.
 - ST12.1 Retrieve and analyze scientific literature to make a patient-specific recommendation.
 13. Oversee the pharmacy operations for an assigned work shift.
 - ST13.7. Assist in the management of a pharmacy budget.

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 activemedical 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. Completion of all Year 2 Pharm.D. program coursework including milestones.

Course Co-requisites

1. PHA5165L Professional Practice Skills Lab V

Required Textbooks/Readings

There are no required textbooks for this course.

Suggested Textbooks/Readings

1. Foye WO, Lemke T, Williams DA. Foye's Principles of Medicinal Chemistry, Wolters Kluwer Health/LippincottWilliams & Wilkins, Philadelphia, PA, 8th Edition, 2020. ISBN-13:978-1-4963-8502
 - Previously purchased for PHA5782C
 - Not Available via HSC Library
2. Kang S, Amagai M, Bruckner AL, Enk AH, Margolis DJ, McMichael AJ, Orringer JS. eds. *Fitzpatrick's Dermatology, 9e* New York, NY: McGraw-Hill, 2019. ISBN 978-0-07-183779-8
 - Available via HSC Library-- Access Medicine:
<https://accessmedicine.mhmedical.com/book.aspx?bookid=2570>
3. Katzung BG, Vanderah TW, Trevor AJ: Basic and Clinical Pharmacology, McGraw Hill Professional, New York, NY; 15th edition, 2020. ISBN-9781260452327
 - Available via HSC Library – Access Pharmacy:
<https://accesspharmacy.mhmedical.com/book.aspx?bookid=2988>
4. 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; 2021. ISBN: 978-1-58212-3172 <https://doi.org/10.21019/9781582123172.fm>
 - [Previously purchased for PHA5781](#)
 - [Not Available via HSC Library](#)
5. Brunton LL, Knollmann BC. eds. Goodman & Gilman's: The Pharmacological Basis of Therapeutics, 14e. McGraw Hill; 2023.
 - ISBN 978-1-264-25807-9 Available via HSC Library – Access Pharmacy:
<https://accesspharmacy.mhmedical.com/book.aspx?bookid=3191>
 -
6. DiPiro JT, Yee GC, Haines ST, Nolin TD, Ellingrod VL, Posey L. eds. DiPiro's Pharmacotherapy: A Pathophysiologic Approach, 12th Edition. McGraw Hill; 2023. ISBN 978-1-264-26454-4
 - Available via HSC Library – Access Pharmacy
<https://accesspharmacy.mhmedical.com/book.aspx?bookid=3097>

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/>

Other Required Learning Resources

None

Materials & Supplies Fees

None

Student Evaluation & Grading

Table 1. Evaluation Methods and How Grades are calculated.

Assessment Item	Grade Percentage
Quizzes (n=6 @ 2.5% ea.)	15%
<ul style="list-style-type: none"> • Pre ALS Preparation Assignments as outlined in class calendar <ul style="list-style-type: none"> ○ Due by the beginning of the Active Learning Session. No late submissions will be accepted) (n=7) • Post ALS Quiz <ul style="list-style-type: none"> ○ ALS 4 Principles of Acute Pain Management: In class assessment at the end of ALS 4 (n=1) 	5%
ALS 6 Case Discussion: Chronic Pain Management Case Preparation Quiz (n=1)	2%
ALS 8 In Class Submission (n=1)	2%
ALS 9 In Class Submission (n=1)	2%
ALS 12 Case Discussion: Dermatological Infectious Disease Case Preparation Quiz (n=1)	2%
Verbal Presentation in either Chronic Pain OR Dermatological Infectious Disease	1%
Capstone Submissions (1% Pain, 3% Dermatology)	4%
Exam 1	19%
Exam 2	23%
Exam 3— Skin Disorders and Selected Pain Topics	25%
Total	100%

Table 2. Grading Scale

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

**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."

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/>

Artificial Intelligence Use

The use of artificial intelligence (AI) text generators such as ChatGPT on assignments, projects, quizzes, and exams is prohibited in this course. Use of AI text generators is considered evidence of academic dishonesty. If a student

is uncertain about the use of AI technology, it is the student's responsibility to ask the instructor prior to beginning the assignment or assessment.

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/>

Attendance Policy

Attendance is mandatory for active learning sessions such as team-based learning sessions, case discussions, laboratory sessions, and other activities that the instructor designates as required. This course has 13 required sessions (12 ALS sessions and 1 Capstone). A student who misses greater than 3 sessions (25% of the required active learning sessions/activities) or laboratory sessions for this course will receive an incomplete in the course and will retake the course during the next offering, resulting in delayed graduation.

Late Assignments

Late assignments will not be accepted and will result in a grade of zero.

Make-up Assignments

Make-up assignments will be required for excused absences from all Active Learning Sessions. Make-up assignments can include written make-up assignments and/or separate meetings with faculty where students will be required to answer detailed questions on the material covered in the missed ALS. Your academic coordinator will send you details regarding the make-up assignments; attendance at the make-up zoom sessions listed in the table below is required. The zoom links will be provided in canvas. Any written makeup assignments will be completed within one week of the missed session.

ALS Session	Make up date/Time	Faculty
ALS 1: Exploring the pain pathway and common assessment approaches.	Tuesday, October 24th 1:30-2:30pm	Moorman Li
ALS 2: Management of Nociceptive and Neuropathic Pain	Tuesday, October 24th 1:30pm-2:30pm	Moorman Li
ALS 3: Pain Management: A focus on Opioid Pharmacology and Medicinal Chemistry	No Make up session: email Dr. Khoury with any questions	Aldrich/McLaughlin/Khoury
ALS 4: Assessment and Management of Acute Pain	No Make up session: email Dr. Khoury with any questions	Khoury
ALS 5: Chronic Pain Management	Friday, November 3rd 2:30pm-3:30pm	Moorman Li

ALS 6: Case Discussion Make up	Tuesday, November 7th 11:00am-12:00pm	Moorman Li
ALS 7: Chronic Pain Management: RA/OA	No zoom session: written assignment only. Written assignment must be completed within 1 week of missed ALS	Powell, Moorman Li
ALS 8: Management of Gout and Joint Infections	No zoom meeting; written assignment only (1 hour needed to complete assignment)	Santevecchi, Powell
ALS 9: Skin Disorders 1	No zoom meeting; written assignment only	Mobley
ALS 10: Skin Disorders 2	Friday, November 17th 4:00-5:00pm	St Onge/Mobley
ALS 11: Skin Disorders 3	Monday, November 20th 4:00-5:00pm	Huston
ALS 12: Skin Disorders 4- Case Discussion	Tuesday, November 28th 4:00-5:00pm	Santevecchi

Failure to attend the make-up session/complete the make-up assignment will result in a zero in all in-session graded work including the quiz for the respective ALS

Accessibility and Belonging Statement

The University of Florida College of Pharmacy strives to stimulate a culture that promotes diversity and inclusion within an exceptional community of students, faculty, and staff. It is our intent that students from all diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength, and benefit.

We intend to present materials and activities that are respectful of diversity: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture. Your suggestions are encouraged and appreciated. Please let us know ways to improve the course's effectiveness for you personally or for other students or student groups.

If any of our class meetings conflict with any of your religious events, an excused absence will be provided when requested using the standard UF COP process as detailed in the [UF COP Course policies](#).

If you feel that you have experienced or witnessed any bias/treatment that falls short of these expectations, you may submit a report through the UF [COP Student Mistreatment Report](#).

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:

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Office Hours: See Canvas course site for posted office hours.

Questions to Ask:

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

Other Teaching Partnership Faculty Members:

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- OFFICE: Jacksonville Campus

Jessica Linares

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- PHONE: 407-313-4087
- OFFICE: Orlando Campus

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.)

Appendix B. Course Outline

Date / Time	Mod #	Activity	Activity Title	Contact Time (hr)	Responsible
	1	Module	Module 1: Introduction to Pain and Treatment Options		
	1.1	Unit	Unit 1.1: Introduction to Pain		Robin Moorman Li
10/16/23		Other	Orientation	0.40	Robin Moorman Li
10/16/23	1.1.1	Lecture Video	Definition of Pain; Pain Pathway.	2.00	Jay Patrick McLaughlin
10/16/23	1.1.2	Lecture Video	Introduction to Pain	0.88	Robin Moorman Li
10/17/23	1.1.3	Lecture Video	Assessment of Pain	1.10	Robin Moorman Li
10/17/23	1.1.4	Lecture Video	Non-Pharmacological Management of Chronic Pain	0.70	Robin Moorman Li
		Optional/Supplemental	Pain Coaching		
10/18/23		Assignment (Graded)	PreALS 1 Preparation Assignment: Located in Canvas. Due 10/18/23 3:00pm		
10/18/23 at 3 - 4:50pm		Active Learning Session	Active Learning Session 1: Assessment and Management of Nociceptive and Neuropathic Pain (2hours)	1.00	
	1.2	Unit	Unit 1.2: Introduction to Treatment Options in Pain Management, Part I (Lectures 1.1.1-1.1.4)		Robin Moorman Li
10/18/23	1.2.1	Lecture Video	Pharmacology of Non-Opioid Treatment Options: Anti-inflammatories	1.85	Jay Patrick McLaughlin
10/19/23	1.2.2	Lecture Video	Pharmacology of Non-Opioid Treatment Options: Skeletal Muscle Relaxants and Anticonvulsants	1.55	Jay Patrick McLaughlin
10/19/23	1.2.3	Lecture Video	Pharmacology of Non-Opioid Treatments: Antidepressants, local and general anesthetics, and miscellaneous agents	1.75	Jay Patrick McLaughlin
10/20/23	1.2.4	Lecture Video	Medicinal Chemistry of Non-Opioid Treatment Options: NSAIDS, Acetaminophen, Skeletal Muscle Relaxants, Common Adjuvant agents.	1.45	Chenglong Li
10/20/23	1.2.5	Lecture Video	Treatment strategies with nonopioids/adjuvants in Chronic Pain Management	1.45	Robin Moorman Li
10/23/23		Assignment (Graded)	PreALS 2 Preparation Assignment: Located in Canvas. Due 10/23/23 1:00pm		
10/23/23 at 1 - 2:50pm		Active Learning Session	Active Learning Session 2: Assessment and Management of Nociceptive and Neuropathic Pain (2 hours) Quiz at the beginning of class	1.00	Chenglong Li, Jay Patrick McLaughlin, Robin Moorman Li
	1	Quiz (In Class)	Quiz 1: Introduction to Pain and Treatment: Module 1 (1.1.1-1.2.5)		Chenglong Li, Jay Patrick McLaughlin, Robin Moorman Li
	2	Module	Module 2: Assessment & Management of Acute Pain		
	2.1	Unit	Unit 2.1: Introduction to Treatment Options in Pain Management, Part II		
10/23/23	2.1.1	Lecture Video	Pharmacology of Opioids	2.30	Jay Patrick McLaughlin
10/24/23	2.1.2	Lecture Video	Medicinal Chemistry of Narcotic Analgesics and Antagonists	0.75	Jane V Aldrich

Date / Time	Mod #	Activity	Activity Title	Contact Time (hr)	Responsible
	2.2	Unit	Unit 2.2: Interventions and Treatment of Pain - Developing a Clinical Treatment Plan, Part I		
10/24/23	2.2.1	Lecture Video	Acute Pain Management Part I	1.45	Adonice Khoury
10/24/23	2.2.2	Lecture Video	Acute Pain Management Part II	0.75	Adonice Khoury
10/24/23	2.2.3	Reading (PDF)	Reading Assignment: A Practical Approach for the Management of the Mixed Opioid Agonist-Antagonist Buprenorphine During Acute Pain and Surgery PDF Posted on Canvas	0.25	Adonice Khoury
10/24/23		Assignment (Graded)	PreALS 3 and 4 Preparation Assignment: Located in Canvas. Due 10/25/23 at 10:00am		
10/25/23 at 10 - 11:50am		Active Learning Session	Active Learning Session 3: Assessment and Management of Acute Pain: Pharmacology/Medicinal Chemistry/Pharmacotherapy (2 hours) Quiz at beginning of class	1.00	Adonice Khoury, Jane V Aldrich, Jay Patrick McLaughlin
		Quiz (In Class)	Quiz 2: Assessment and Management of Acute Pain: Pharmacology/Medicinal Chemistry/Pharmacotherapy (2.1.1-2.2.3)		
10/25/23 at 1 - 2:50pm		Active Learning Session	Active Learning Session 4: Assessment and Management of Acute Pain (2 hours)	1.00	Adonice Khoury, Jane V Aldrich, Jay Patrick McLaughlin
10/25/23 DUE at 11:59pm		Quiz (Online)	Post ALS Quiz 2.2.3-2.2.4) Assessment and Management of Acute Pain: Completed at the end of ALS 4; due 10/25/23 at 11:59pm.		Adonice Khoury
10/30/23 at 10am - 12pm		Exam	Exam 1 (2 hours) (Material from Modules 1 and 2)	2.00	
	3	Module	Module 3: Assessment & Management of Chronic Pain		
	3.1	Unit	Unit 3.1: Interventions and Treatment of Pain - Developing a Clinical Treatment Plan, Part II		
10/30/23	3.1.1	Lecture Video	Risk Mitigation in Chronic Pain Management	0.82	Robin Moorman Li
10/30/23		Assignment (Ungraded)	Transcending Concept: Pain Management: Opioid Agreement (Youtube) https://www.youtube.com/watch?v=So7rGNUmQgQ		Robin Moorman Li
10/30/23	3.1.2	Lecture Video	Treatment Strategies with Opioids in Chronic Pain Management	1.50	Robin Moorman Li
10/31/23	3.1.3	Lecture Video	Intro to Opioid Equianalgesic Calculations	0.75	Robin Moorman Li
10/31/23	3.1.4	Lecture Video	Opioid Monitoring and Managing Common Side Effects	0.50	Robin Moorman Li
10/31/23	3.1.5	Lecture Video	Naloxone: The Gift of Time	0.68	Robin Moorman Li
11/01/23	3.1.6	Lecture Video	Personalized Medicine in Pain Management	0.75	Larisa Humma Cavallari
11/01/23		Assignment (Graded)	PreALS 5 Preparation Assignment: Located in Canvas. Due 11/1/23 at 3:00pm		
11/01/23 at 3 - 4:50pm		Active Learning Session	Active Learning Session 5: Chronic Pain Management (2 hours) Quiz at beginning of class	1.00	Robin Moorman Li
		Quiz (In Class)	Quiz 3: Treatment Considerations Chronic Pain: Module 3 (3.1.1-3.1.6)		Robin Moorman Li
11/02/23	3.1.7	Lecture Video	Medical Marijuana and Chronic Pain Management	0.65	Robin Moorman Li

Date / Time	Mod #	Activity	Activity Title	Contact Time (hr)	Responsible
11/02/23	3.1	Video Other	Opioid Equianalgesic Calculation Problems		Robin Moorman Li
11/02/23	3.1	Quiz (Self-Assessment)	Opioid Worksheet		Robin Moorman Li
11/02/23		Quiz (Online)	Chronic Pain Management Case Preparation Quiz Due 11/3/23 10:00am		
11/03/23 at 10am - 12pm	3.1	Facilitated Case Discussion	Active Learning Session 6: Case Discussions of Pain Management (2 hours) Zoom only	1.00	Larisa Humma Cavallari, Robin Moorman Li
	3.2	Unit	Unit 3.2: Interventions and Treatment of Pain - Developing a Clinical Treatment Plan		
11/03/23	3.2.1	Lecture Video	Pharmacology of Rheumatoid Arthritis Agents	1.50	Jason Powell
11/03/23	3.2.2	Lecture Video	Medicinal Chemistry of Rheumatoid Arthritis	0.56	Chenglong Li
11/03/23	3.2.3	Lecture Video	Management of Rheumatoid Arthritis	0.50	Jason Powell
11/06/23	3.2.4	Reading (PDF)	Introduction to economic modeling for clinical rheumatologists: application to biologic agents in rheumatoid arthritis (Transcending Concept)	0.50	Haesuk Park
11/06/23	3.2.5	Lecture Video	Chronic Pain Management-Osteoarthritis	0.90	Robin Moorman Li
11/06/23		Assignment (Graded)	PreALS 7 Preparation Assignment: Located in Canvas. Due 11/6/23 at 1:00pm		
11/06/23 at 1 - 2:50pm	3.2-3.4	Active Learning Session	Active Learning Session 7: Chronic Pain Management of RA/OA (2 hours) Quiz at beginning of class	1.00	Chenglong Li, Jason Powell, Robin Moorman Li
		Quiz (In Class)	Quiz 4: Interventions and Treatment of Pain: RA and OA (3.2.1-3.2.5)		
11/06/23 at 4 - 4:30pm		Exam Review	Exam 1 Review		
	3.3	Unit	Unit 3.3: Chronic Pain Management		
11/06/23	3.3.1	Lecture Video	Chronic Pain Management - Gout	1.10	Jason Powell
11/07/23	3.3.2	Lecture Video	Chronic Pain Management – Bone and Joint Infections	0.82	Barbara Santevecchi
11/07/23	3.3.3	Lecture Video	Chronic Pain Management- Fibromyalgia	0.66	Robin Moorman Li
	3.4	Unit	Unit 3.4: Transcending Concepts in Treatment of Pain		
11/07/23	3.4.1	Lecture Video	Comparative Effectiveness, Health Economics, and Outcomes Research (**two parts/videos**)	1.50	Richard Segal
11/07/23		Reading	A network meta-analysis of randomized controlled trials of biologics for rheumatoid arthritis: a Cochrane overview	0.25	
11/07/23		Reading	Cost per cumulative clinical benefit of biologic therapies for patients with plaque psoriasis	0.25	
11/08/23 at 2 - 3:50pm	3.3.1 - 3.4.1	Active Learning Session	Active Learning Session 8: Management of Gout, Fibromyalgia, and Joint Infections (2 hours)	1.00	Barbara Santevecchi, Jason Powell
11/08/23		Assignment (Graded)	In Class: Graded Assignment: Gout, Joint Infections		Barbara Santevecchi, Jason Powell
11/13/23 at 10am - 12pm		Exam	Exam 2 (2 hours) (module 3 all units)	2.00	

Date / Time	Mod #	Activity	Activity Title	Contact Time (hr)	Responsible
	4	Module	Module 4: Skin Disorders		Barbara Santevecchi, Cary Mobley, Erin Lyn St Onge, Jessica Huston
	4.1	Unit	Unit 4.1: Overview of Dermatology for Pharmacists		Cary Mobley
11/09/23	4.1.1	Lecture Video	Overview of Dermatology I	0.75	Cary Mobley
11/09/23	4.1.2	Lecture Video	Overview of Dermatology II	1.10	Cary Mobley
		Optional/Supplemental	Handout: Topical Corticosteroid Potency Table (PDF)		Cary Mobley
	4.2	Unit	Unit 4.2: Management of Skin Disorders – Part 1		Cary Mobley, Erin Lyn St Onge
11/13/23	4.2.1	Lecture Video	Psoriasis	1.38	Cary Mobley
11/13/23	4.2.2	Lecture Video	Seborrheic Dermatitis	0.44	Cary Mobley
11/14/23	4.2.3	Lecture Video	Atopic Dermatitis	1.54	Erin Lyn St Onge
11/14/23	4.2.4	Lecture Video	Acne Vulgaris	0.88	Cary Mobley
11/15/23	4.2.5	Lecture Video	Rosacea	0.45	Cary Mobley
11/15/23	4.2.6	Lecture Video	Pigmentation Disorders	1.20	Cary Mobley
11/15/23	4.2.7	Lecture Video	Drug-Induced Skin Disorders	0.90	Erin Lyn St Onge
11/14/23 at 2-3:50pm	4.1-4.2.2	Active Learning Session	Active Learning 9: Skin Disorders 1 (2 hours)	1.00	Cary Mobley
11/14/23	4.1-4.2.2	Quiz (In Class)	Quiz 5: Skin Disorders-Part I (4.1 to 4.2.2)		Cary Mobley
11/14/23	4.2.1	Other	Content Summary for The Psoriasis Case (PDF)		Cary Mobley
11/14/23	4	Other	PPCP Form (DOCX)		Cary Mobley
11/14/23		Assignment (Graded)	ALS 9 Submission (Assignment)		Cary Mobley
	4.2.3		Pre ALS Preparation Assignment: Located in Canvas		
11/15/23	4.2.7	Quiz (Online)	Due 11/15/23 at 12:00 pm		
11/15/23 at 2- 3:50pm	4.2.3 - 4.2.7	Active Learning Session	Active Learning Session 10: Skin Disorders 2 (2 hours)	1.00	Cary Mobley, Erin Lyn St Onge
	4.3	Unit	Unit 4.3: Management of Skin Disorders – Part 2		Cary Mobley
11/15/23	4.3.1	Lecture Video	Management of Skin Disorders – Skin Cancers (3 videos)	0.80	Jessica Huston
11/15/23	4.3.2	Lecture Video	Sunscreens and Cancer Prevention	0.20	Jessica Huston
11/15/23	4.3.3	Lecture Video	Management of Skin Disorders – Fungal and Yeast Skin Infections (3 videos)	0.80	Jessica Huston
11/16/23	4.3.4	Lecture Video	Management of Skin Disorders – Viral Skin Infections	0.64	Krysten McNaught
11/17/23	4.3.5	Lecture Video	Chronic Wounds: A Focus on Diabetic Foot Infections	0.92	Barbara Santevecchi
11/17/23	4.3.6	Lecture Video	Necrotizing Soft-Tissue Infections	0.32	Nicole Durante
	4.3.1		Pre ALS Preparation Assignment: Located in Canvas		
11/16/23	4.3.3	Quiz (Online)	Due 11/16/23 at 11:59 pm		

Date / Time	Mod #	Activity	Activity Title	Contact Time (hr)	Responsible
11/17/23 at 8 - 9:50am	4.3.1 - 4.3.3	Active Learning Session	Active Learning Session 11: Skin Disorders 3 (2 hours)	1.00	Cary Mobley, Jessica Huston
11/17/23	4.3.1 - 4.3.3	Quiz (In Class)	Quiz 6: Skin Disorders-Part II (4.3.1 to 4.3.3)		
11/20/23	4.3.4 - 4.3.6	Quiz (Online)	Dermatological Infectious Disease Case Preparation Quiz (4.3.4 to 4.3.6) - Due 11/20/23 at 2PM		Barbara Santevecchi
11/20/23 at 2 - 4pm	4.3.4 - 4.3.6	Facilitated Case Discussion	Active Learning Session 12: Skin Disorders 4 -Case Discussion (2 hours)- Zoom only	1.00	Barbara Santevecchi, Cary Mobley, Erin Lyn St Onge, Jessica Huston, Krysten McNaught, Nicole Durante
11/21/23 at 10 - 10:30am		Exam Review	Exam 2 Review		
11/21/23 at 1pm		Course Evaluation	Course Evaluations		
11/21/23 at 1 - 5pm	1-4	Active Learning Session	Capstone: Pain Management (1 hour), Dermatology (3 hours)	2.00	Barbara Santevecchi, Cary Mobley, Erin Lyn St Onge, Jessica Huston, Krysten McNaught, Nicole Durante, Robin Moorman Li
11/28/23 at 10am - 12pm	1-4	Exam	Final Exam: Pain Management: Selected Portions of Pain Management Topics Dermatology: All Material (2 hours)		Cary Mobley, Robin Moorman Li
			Total Contact Hours in Course	63.14	