

**Commercial Applications of Pharmacoeconomics**  
**PHA 6283 – Fall B 2021**  
**Class Periods:** Sundays, 8:00 – 10:00 pm Eastern  
**Location:** Zoom

***Instructor:***

Karen Rascati, RPh, PhD  
Email: [krascati@ufl.edu](mailto:krascati@ufl.edu)  
Phone/Text: 512-471-1637  
Office Hours: By appointment  
Office Location: Virtual/Zoom

***Course Description***

The purpose of this course is to introduce students to the fundamental methods of pharmacoeconomic analysis. The class will focus on the theory, methods, and application of technology assessment in health care. Applications will be drawn from a variety of health care settings, including pharmaceuticals.

***Course Pre-Requisites / Co-Requisites***

None

***Course Objectives***

1. Understand the rationale and importance of pharmacoeconomic (PE) analyses.
2. Identify and determine relevant cost and consequences associated with pharmacy products and services.
3. Define the differences between cost-benefit analysis (CBA), cost-effectiveness analysis (CEA), cost-minimization analysis (CMA), and cost-utility analysis (CUA).
4. Outline the steps for conducting a pharmacoeconomic analysis.
5. Apply decision analysis methodology.
6. Interpret results from advanced modeling studies – such as Markov analyses
7. Describe current PE methods and issues.
8. Critique current PE literature.
9. Describe the application of PE to various pharmacy settings

***Required Text:***

Title: **Essentials of Pharmacoeconomics**, 3rd Edition (2021)  
ISBN-13: 978-1975139445  
ISBN-10: 1975139445

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**Course Outline/Activities.  
Schedule of Course Activities/Topics**

| Week | Date        | Due Dates                              | Topic/ Activities   | Chapter(s)                 |
|------|-------------|--|---|----------------------------|
| 1    | October 17  |  | Introduction<br>Costs   | Ch. 1<br>Ch. 2             |
| 2    | October 24  |  | Assessing Articles<br>Cost-Minimization Analysis                            | Ch. 3<br>Ch. 4             |
| 3    | October 31  | HW1 – Due Nov 5                        | Cost-Effectiveness Analysis<br>Cost-Utility Analysis                        | Ch. 5<br>Ch. 6             |
| 4    | November 7  | HW2 – Due Nov 12                       | Cost-Benefit Analysis<br>Health-related Quality-of-Life                     | Ch. 7<br>Ch. 8             |
| 5    | November 14 | HW 3 – Due Nov 19                      | Decision Analysis<br>Markov Analysis<br>Real-World Data/Real-World Evidence | Ch. 9<br>Ch. 10<br>Ch. 11  |
| 6    | November 21 | HW 4 – Slides and Paper –<br>Due Dec 2 | Budget Impact Analysis<br>Pharmacy Services<br>International Perspective    | Ch. 12<br>Ch. 13<br>Ch. 14 |
|      | November 28 | No class                               | Thanksgiving week   |                            |
| 7    | December 5  |  | Future Issues/<br>Student Presentations                                     | Ch. 15                     |
| 8    | December 12 |  | Student Presentation  |                            |

***Student Evaluation & Grading***

|     |   |              |
|-----|---|--------------|
| HW1 | Critique 1 = 50 points                        | 20% of grade |
| HW2 | Critique 2 = 50 points                        | 20% of grade |
| HW3 | Critique 3 = 50 points                        | 20% of grade |
| HW4 | Final Critique (Compare/contrast) = 75 points | 30% of grade |
|     | Final Critique presentation = 25 points       | 10% of grade |

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### **Attendance Policy**

Students are expected to attend the synchronous class meetings every Sunday from 8-10 pm. Students who miss 30 minutes or more of the synchronous class meeting are considered absent. **Unexcused absences** from the synchronous class meetings carry a 4-percentage point (~1/2 letter grade) reduction in the final grade. **Excused absences** require a make-up paper to be submitted within 2 weeks of the missed class (unless the class is near the end of the semester and a shorter timeline will be required). Contact the instructor for specifics on the make-up paper. Absences are considered excused when the student (not a peer) has emailed the instructor before the synchronous class meeting begins and conveys why the student will miss class, such as illness, job conflict, and other emergencies. The instructor can be contacted via email (preferred) or text (listed above). Two or more excused absences will be addressed by the course coordinator and may result in an incomplete final grade for the course.

### **Make-up Policy**

Assignments that are not submitted by the due date will be given a zero. Make up assignments are not usually given, but may be offered at the discretion of the course instructor after evaluation of the circumstances leading to the request.

### **Grading Policy**

|    |                |
|----|----------------|
| A  | >92.500%       |
| A- | 89.500–92.499% |
| B+ | 86.500–89.499% |
| B  | 82.500–86.499% |
| B- | 79.500–82.499% |
| C+ | 76.500–79.499% |
| C  | 72.500–76.499% |
| C- | 69.500–72.499% |
| D+ | 66.500–69.499% |
| D  | 62.500–66.499% |
| D- | 59.500–62.499% |
| E  | <59.499%       |

More information on UF grading policy may be found at:

[UF Graduate Catalog](#)

[Grades and Grading Policies](#)

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### ***Students Requiring Accommodations***

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the [Disability Resource Center](#). It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

### ***Course Evaluation***

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. [Click here for guidance on how to give feedback in a professional and respectful manner](#). 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 [ufl.bluera.com/ufl/](http://ufl.bluera.com/ufl/). [Summaries of course evaluation results are available to students here](#).

### ***University Honesty Policy***

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." [The Honor Code](#) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

### ***Software Use***

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

### ***Student Privacy***

There are federal laws protecting your privacy in terms of grades earned in courses and on individual assignments. For more information, please see the [Notification to Students of FERPA Rights](#).

Recordings of weekly class sessions in Zoom are created for the purpose of course teaching and learning, as well as for use as a resource for students who miss a class session.

The use of video (or web camera) feature in Zoom is not a requirement, but rather is voluntary for meeting participants. For both the audio and video features in Zoom, you will have the option to Start or Stop these functions.

Students who participate with their camera engaged or who utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who unmute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

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[Zoom Software Privacy Statement](#)  
[Canvas \(by Instructure\) Privacy Policies](#)

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## **Campus Resources:**

### Health and Wellness

#### **U Matter, We Care:**

If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) or 352 392-1575 so that a team member can reach out to the student.

**Counseling and Wellness Center:** [counseling.ufl.edu/cwc](http://counseling.ufl.edu/cwc), and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

#### **Sexual Assault Recovery Services (SARS)**

Student Health Care Center, 392-1161.

**University Police Department** at 392-1111 (or 9-1-1 for emergencies), or [police.ufl.edu](http://police.ufl.edu).

### Academic Resources

**E-learning technical support**, 352-392-4357 (select option 2) or e-mail to [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu).

**Career Resource Center**, Reitz Union, 392-1601. Career assistance and counseling.

**Library Support**, Various ways to receive assistance with respect to using the libraries or finding resources.

**Teaching Center**, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.

**Writing Studio**, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers.

**Student Complaints Campus**

**On-Line Students Complaints**

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