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Fall 9-1-2008

### PHAR 550.01: Drug Literature Evaluation

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#### Recommended Citation

Brown, Sherrill; Carter, Jean; and Noonan, Curtis, "PHAR 550.01: Drug Literature Evaluation" (2008).

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## Pharmacy 550 Drug Literature Evaluation Course Syllabus

**MWF 9:10-10:30**  
**SB114 and SB336**  
**Fall 2008 3 credits**

- Course Coordinator:** Sherrill Brown SB217 243-5299  
sherrill.brown@umontana.edu Office Hours by Appointment
- Lecturers/Facilitators:** Jean Carter SB 333A 243-5780  
Curtis Noonan SB 173D 243-4957
- Class Days and Times:** 9:10 to 10:30 am on Mondays, Wednesdays, and Fridays as noted on topic schedule.
- Required Readings:** Distributed in class or available on Blackboard.

### Course Policies

"Drug Literature Evaluation" is a course designed to allow the student to think creatively and to accept responsibility for his/her own learning. Students are expected to complete all required readings and assignments **before** the lecture is delivered. In addition, students are expected to **actively participate** in group discussions and to lead discussions when appropriate.

Participation in assigned discussions will be evaluated based on the following:

The student provides insightful comments.

The student demonstrates knowledge acquired through assignments, etc.

The student builds on thought processes from previous discussions and does not simply agree or disagree with previous statements.

The student leads group discussions when appropriate.

Not everything that is important will necessarily be covered in class; therefore, material from the required readings may appear on quizzes even though it was not explicitly covered in class. The instructor in this course welcomes and encourages class participation. Please feel free to ask pertinent questions in class. Also, be prepared to answer questions or otherwise comment in class and to lead group discussions when called upon by the instructor. Short in-class assignments may occasionally be utilized to further develop your thinking skills and to elicit your feedback about the class.

Assignments are due on the date designated, at the beginning of class. **If any assignment is turned in after the due date, the student may be penalized 10% of the point value for the assignment for each day that the assignment is late. In other words, assignments turned in after 10:30am on the due date are considered late and are subject to a 10% penalty.** References must be turned in with all papers, except as noted.

Please contact the instructor prior to the due date if extenuating circumstances will prevent you from turning in an assignment on time! If extenuating circumstances arise, especially if it

means you will not be in class for a quiz or discussion or are unable to turn in an assignment on time, contact the instructor **BEFORE** the due date. While each case will be handled on an individual basis, in general, if you do not take responsibility for the situation, you will not be allowed to make up the assignment or quiz.

If any assignment contains information that is false or unsubstantiated, you **WILL** fail the assignment, and you may fail the course. As a health care professional, if you disseminate information that is wrong you could gravely impact the care that a patient receives.

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://ordway.umt.edu/SA/VP/SA/index.cfm/name/StudentConductCode>.

Plagiarism is a form of academic dishonesty. This is using anyone else's work as your own. This includes another student's, another author's, etc. If you plagiarize anyone else's work this class, you **WILL** fail the assignment, and you may fail the course.

What is plagiarism? While everyone has their own concept of this, the guide that will be used for this class is either copying more than six consecutive words verbatim or using more than two sentences in an assignment that reflect the original author's phrasing, sentence structure, and meaning rather than the student's own thoughts, with or without proper citation.

### Grading Policies

Grades for the course are based on the following percentage scale:

90-100%	A
80-89%	B
70-79%	C
65-69%	D
< 65%	F

Your grade will be based on 2 major papers, 1 minor paper, 1 assignment, 6 quizzes, participation in journal club discussions, in-class assignments, and 1 presentation. The relative percentage weight is as follows:

DI Consult (paper #3)	25%
Drug Efficacy Review (paper #2)	25%
In-Class Assignments/Participation	15%
Consult Presentation	10%
Article Summary (paper #1)	10%
Quizzes (6)	10%
Resource Assignment	5%

**You must achieve a 70% score on each major paper assignment (Drug Information Consult and Drug Efficacy Review) in order to pass this course.**

All grades will be posted on Blackboard.

**Performance Objectives:**

At the conclusion of this course, the student will be able to:

1. Compare and contrast online resources to printed resources.
2. Differentiate between primary, secondary and tertiary literature.
3. Given a drug information request:
  - a. Classify the request for the purposes of obtaining a better history and identifying useful references.
  - b. Outline a search strategy.
  - c. Using appropriate references collect the necessary information.
  - d. Evaluate the information obtained.
  - e. Formulate and communicate a response, both verbally and in writing.
4. Given an article from the primary literature:
  - a. Describe the type of study design used.
  - b. Describe the advantages and disadvantages of this type of study.
  - c. Identify flaws in the study design.
  - d. Define the statistical terms used in the study.
  - e. Assess if the conclusions of the study are appropriate based on the information presented in the study.
5. Discuss and prepare a questionnaire and database.
7. Describe evidence-based medicine.
8. Summarize a clinical study.
9. Research, prepare and present a formal drug information consult.
10. Research and prepare an efficacy review of a drug.

**TOPIC SCHEDULE:**

<b>Date</b>	<b>Topic</b>	<b>Room</b>	<b>Instructor</b>	<b>Quizzes, Assignment Due Dates</b>
M 8-25	Course Overview, Plagiarism and Paraphrasing	SB 336	Brown	---
W 8-27	Course Overview, Plagiarism and Paraphrasing	SB 336	Brown	---
F 8-29	Drug Information Questions and Resources	SB 114	Brown	---
M 9-1	<b>LABOR DAY HOLIDAY- NO CLASS</b>	---	---	---
W 9-3	No Class	---	---	---
F 9-5	Study Methodology, Validity, and Bias	SB 114	Brown	Drug & Consult Subject Selection Due
M 9-8	Writing scientific papers	SB 336		---
W 9-10	Writing scientific papers	SB 336		---
F 9-12	Study Design and Introduction to Statistics <b>Quiz #1</b>	SB 114		<b>Quiz #1 Resource Assignment Due</b>
M 9-15	Study Design	SB 336	Brown	
W 9-17	Study Design	SB 336	Brown	---
F 9-19	Statistics	SB 114	Noonan	<b>Paper #1 Due</b>
M 9-22	Statistics	SB 336	Noonan	---
W 9-24	Statistics	SB 336	Noonan	---
F 9-26	Risk and Epidemiology <b>Quiz #2</b>	SB 114	Brown	<b>Quiz #2</b>
M 9-29	Risk/NNT	SB 336	Brown	---
W 10-1	Risk/NNT	SB 336	Brown	---

<b>Date</b>	<b>Topic</b>	<b>Room</b>	<b>Instructor</b>	<b>Quizzes, Assignment Due Dates</b>
F 10-3	Evaluating Journal Articles	SB 114	Brown	---
M 10-6	Journal Club	SB 336	Brown	---
W 10-8	Journal Club	SB 336	Brown	---
F 10-10	Meta-Analyses, Reviews, and Non-Experimental Studies <b>Quiz #3</b>	SB 114	Brown	<b>Paper #2 Due</b>
M 10-13	Journal Club	SB 336	Brown	---
W 10-15	Journal Club	SB 336	Brown	---
F 10-17	Survey Methods	SB 114	Carter	<b>Paper #2 Handed Back</b>
M 10-20	Survey Methods	SB 214	Carter	---
W 10-22	Survey Methods	SB 214	Carter	---
F 10-24	Survey Methods <b>Quiz #4</b>	SB 114	Carter	<b>Quiz #4 Paper #2 Revisions Due</b>
M 10-27	Survey Methods	SB 214	Carter	---
W 10-29	Survey Methods	SB 214	Carter	---
F 10-31	Evidence-Based Medicine	SB 114	Brown	
M 11-3	Journal Club	SB 336	Brown	---
W 11-5	Journal Club	SB 336	Brown	---
F 11-7	Clinical Guidelines/Formularies <b>Quiz #5</b>	SB 114	Brown	<b>Quiz #5</b>
M 11-10	Guidelines	SB 336	Brown	---
W 11-12	Guidelines	SB 336	Brown	---
F 11-14	Peer Review	SB 114	Brown	<b>Paper #3 Due</b>

<b>Date</b>	<b>Topic</b>	<b>Room</b>	<b>Instructor</b>	<b>Quizzes, Assignment Due Dates</b>
M 11-17	Consult Presentations	SB 336	Brown	---
W 11-19	Consult Presentations	SB 336	Brown	---
F 11-21	Consult Presentations <b>Quiz #6</b>	SB 114	Brown	<b>Quiz #6</b>
M 11-24	<b>No Class</b>	---	---	---
W 11-26	<b>THANKSGIVING HOLIDAY – NO CLASS</b>	---	---	---
F 11-38	<b>THANKSGIVING HOLIDAY – NO CLASS</b>	---	---	---
M 12-1	Consult Presentations	SB 336	Brown	---
W 12-3	Consult Presentations	SB 336	Brown	---
F 12-5	Consult Presentations	SB 114	Brown	---
12-9	<b>FINAL EXAM PERIOD: 10:10 AM-12:10 PM</b> Consult Presentations	SB 114	Brown	---