Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should **not** be used to purchase course materials.
COURSE SYLLABUS

INFO 310
FOUNDATIONS OF PHARMACOLOGY

COURSE DESCRIPTION

Foundational review of the relationship between pharmacologic and pharmacokinetic knowledge; safe administration of medication; emphasis on the reasoning behind selection of route, dosage, and dosing schedules of medications provided to patients across their lifespan; legal and professional issues surrounding the safe administration of medication.

RATIONALE

The student will be able to demonstrate an understanding of the terms, concepts, and processes in medication administration and pharmacology terminology upon completion. Application and knowledge of the drugs, side effects, adverse effects, and management will be critical areas of administration and teaching areas within healthcare delivery.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the Academic Course Catalog.

II. REQUIRED RESOURCE PURCHASE

Click on the following link to view the required resource(s) for the term in which you are registered: http://bookstore.mbsdirect.net/liberty.htm

III. ADDITIONAL MATERIALS FOR LEARNING

A. Computer with basic audio/video output equipment
B. Internet access (broadband recommended)
C. Blackboard recommended browsers
D. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES

Upon successful completion of this course, the student will be able to:
A. Integrate a biblical worldview within informatics.
B. Define terms, concepts, and basic processes associated with physiologic effects of medication therapy.
C. List basic physiologic processes involved with absorption and elimination of medications.
D. Describe characteristics of major groups and selected individual medications in terms of the following: mechanism(s) of action; drug effects; therapeutic uses; side effects and adverse effects; toxicity and management of overdoses; interactions; and responsibilities related to administration, monitoring, and teaching.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

A. Textbook readings and lecture presentations

B. Course Requirements Checklist

After reading the Course Syllabus and Student Expectations, the student will complete the related checklist found in Module/Week 1.

C. Discussion Board Forums (3)

Discussion boards are collaborative learning experiences. Therefore, the student is required to create a thread in response to the provided prompt for each forum. The threads and replies will be broken up over 2 modules/weeks, with the thread in the first module/week and the reply in the following. Each thread must be at least 400 words, demonstrate course-related knowledge, and include at least 2 scholarly references. In addition to the thread, the student is required to reply to 2 other classmates’ threads and also to respond to any classmates who reply to him/her. Each reply must be at least 300 words and contain at least 2 scholarly references.

D. Pharmacology Development and Stages

The student will write a 1,000-word research-based paper in current APA format that focuses on the development and stages of pharmacology. The paper must include at least 5 references in addition to the course textbooks and the Bible.

E. Medications within the Stages

The student will write a 1,000-word research-based paper in current APA format that focuses on the stages within medications. In addition, the paper must include an example table that will provide a minimum of 10 medications learned through Modules/Weeks 1–4. The paper must include at least 5 scholarly references in addition to the course textbooks and the Bible.

F. Explorations of New Medications

The student will write a 1,000-word research-based paper in current APA format that focuses on the exploration of new medications. The paper must include at least 5 scholarly references in addition to the course textbooks and the Bible.

G. Principles of Medication Therapy

The student will write a 1,500-word research-based paper in current APA format that focuses on the principles of medication therapy. The paper must include at least 8 scholarly references in addition to the course textbooks and the Bible.
H. Quizzes (5)

The student will complete 5 quizzes in this course. Each quiz will cover the Reading & Study material for the assigned modules/weeks. Each quiz will be open-book/open-notes, contain 20 multiple-choice questions, and have a 30-minute time limit.

VI. COURSE GRADING AND POLICIES

A. Points

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Discussion Board Forums</td>
<td></td>
</tr>
<tr>
<td>Threads (3 at 40 pts ea)</td>
<td>120</td>
</tr>
<tr>
<td>Replies (3 at 35 pts ea)</td>
<td>105</td>
</tr>
<tr>
<td>Pharmacology Development and Stages</td>
<td>100</td>
</tr>
<tr>
<td>Medications within the Stages</td>
<td>100</td>
</tr>
<tr>
<td>Explorations of New Medications</td>
<td>125</td>
</tr>
<tr>
<td>Principles of Medication Therapy</td>
<td>200</td>
</tr>
<tr>
<td>Quizzes (Modules 2–4, 6, and 8)</td>
<td>250</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1010</strong></td>
</tr>
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</table>

B. Scale

A = 900–1010  B = 800–899  C = 700–799  D = 600–699  F = 0–599

C. Disability Assistance

Students with a documented disability may contact Liberty University Online’s Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.
## Course Schedule

### Info 310


<table>
<thead>
<tr>
<th>Module/Week</th>
<th>Reading &amp; Study</th>
<th>Assignments</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Brenner &amp; Stevens: chs. 1–2&lt;br&gt;1 presentation</td>
<td>Course Requirements Checklist&lt;br&gt;Class Introductions&lt;br&gt;DB Forum 1 Thread</td>
<td>10&lt;br&gt;0&lt;br&gt;40</td>
</tr>
<tr>
<td>2</td>
<td>Brenner &amp; Stevens: chs. 3–4&lt;br&gt;1 presentation</td>
<td>DB Forum 1 Replies&lt;br&gt;Quiz 1</td>
<td>35&lt;br&gt;50</td>
</tr>
<tr>
<td>3</td>
<td>Brenner &amp; Stevens: chs. 5–9&lt;br&gt;1 presentation</td>
<td>Pharmacology Development and Stages&lt;br&gt;Quiz 2</td>
<td>100&lt;br&gt;50</td>
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<tr>
<td>4</td>
<td>Brenner &amp; Stevens: chs. 10–17&lt;br&gt;1 presentation</td>
<td>DB Forum 2 Thread&lt;br&gt;Quiz 3</td>
<td>40&lt;br&gt;50</td>
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<tr>
<td>5</td>
<td>Brenner &amp; Stevens: chs. 18–25&lt;br&gt;1 presentation</td>
<td>DB Forum 2 Replies&lt;br&gt;Medications within the Stages</td>
<td>35&lt;br&gt;100</td>
</tr>
<tr>
<td>6</td>
<td>Brenner &amp; Stevens: chs. 26–30&lt;br&gt;1 presentation</td>
<td>Explorations of New Medications&lt;br&gt;Quiz 4</td>
<td>125&lt;br&gt;50</td>
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<td>7</td>
<td>Brenner &amp; Stevens: chs. 31–36&lt;br&gt;1 presentation</td>
<td>DB Forum 3 Thread&lt;br&gt;Quiz 5</td>
<td>40&lt;br&gt;50</td>
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<tr>
<td>8</td>
<td>Brenner &amp; Stevens: chs. 37–45&lt;br&gt;1 presentation</td>
<td>DB Forum 3 Replies&lt;br&gt;Principles of Medication Therapy</td>
<td>35&lt;br&gt;200</td>
</tr>
</tbody>
</table>

**Total**: 1010

DB = Discussion Board

**Note**: Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on Friday.