Syllabus – Fall 2013
NURS 5060 – Advanced Pathophysiology across the Lifespan

Excluding textbooks, the information on this syllabus is subject to change. For the most up-to-date syllabus, check this site on the first day of classes.

Program Information

This is a core course within the M.S. in Nursing degree program.

Course and Instructor Information

Course Title: NURS 5060 – Advanced Pathophysiology across the Lifespan
Credits: 3
Prerequisites: None
Format: Online via HuskyCT

Instructor: Kristin Bott

E-mail: Kristin.Bott@UConn.edu (After the first day of classes, students registered in the course should send messages to the instructor via HuskyCT Messages.)

Availability: Unless otherwise noted, I will check into the course at least five days a week to monitor discussions and respond to HuskyCT Messages. If I expect to be away due to illness, travel or family obligations, I will make every attempt to notify you in advance.

Course Description

This course is designed for nurses preparing for advanced nursing practice roles across varying population foci. Concepts will include advanced human physiology, deviation from normal function, common clinical manifestations of alterations in physiologic homeostasis, and beginning investigation into the etiologies of physiologic disturbances. A body-systems framework to physiology/pathophysiology will be utilized.

Course Materials

Students must have all required course materials before the first day of class.

Required Materials:

- Hardcover ISBN: 9780323065849 (You may be purchased at: https://evolve.elsevier.com/cs/product/9780323065849?role=student) or
- Pageburst/EBOOK ISBN: 9780323065825 (You may be purchased at:

Note: You must purchase an Access Code or you will not be able to view the modules in the course.

Additional course readings and media are available within HuskyCT, through either an Internet link or Library Resources.

### Course Requirements and Grading

<table>
<thead>
<tr>
<th>Graded Course Activities</th>
<th>Percentage of Final Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussions</td>
<td>30%</td>
</tr>
<tr>
<td>Weekly Module Exams</td>
<td>25%</td>
</tr>
<tr>
<td>Case Study 1</td>
<td>10%</td>
</tr>
<tr>
<td>Case Study 2</td>
<td>15%</td>
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<tr>
<td>Final Exam: Case Study 3</td>
<td>20%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

**Discussions:** You will be expected to participate in asynchronous discussion activities in HuskyCT. The discussion questions that you are expected to respond to will be organized in weekly forums on the “Discussion Board.” The weekly forum will be available for the same dates as the associated module (See Course Schedule in HuskyCT). You should post your initial response to the forum no later than Friday and provide your classmates feedback no later than that Sunday. Post in a timely manner to provide your classmates ample time to respond. Grading of your participation in discussions will be according to the Discussion Rubric linked in HuskyCT. You will be able to view instructor feedback on your participation in discussions via “My Grades” in Husky CT.

**Weekly Module Exams:** Exams are more like mini quizzes to test your comprehension of the presented material. Each module is associated with an online exam. The exams are multiple-choice and you will be allotted 90 minutes for each. If time allows, you may review and change your answers however, once the time expires, you will be timed out and the exam will be scored. Exam availability dates are posted in the “Course Schedule” of Husky CT. Each exam will be graded and grades can be viewed via “My Grades” in Husky CT.

**Case Studies:** A total of three (3) case studies will be presented during this course. They are
individual exercises and should be completed independently. The case studies incrementally increase in weight as we advance through the course. A case study will be administered after each four weeks of content. Each case study will incorporate material and concepts from the weekly modules that you have studied. The purpose of the case studies is to evaluate your in-depth knowledge, understanding and ability to apply the information presented in the modules. The final case study will be a collaboration of information learned throughout the course. Case Studies are to be submitted by the posted due date in the “Course Schedule” via the Case Studies & Practice Assignment area. Each Case Study will be graded according the Case Study Rubric linked in HuskyCT. You can view your grade and instructor feedback via “My Grades” in Husky CT.

The final course grading scale is as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Letter Grade</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>97-100</td>
<td>A+</td>
<td>4.3</td>
</tr>
<tr>
<td>93-96</td>
<td>A</td>
<td>4.0</td>
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<tr>
<td>90-92</td>
<td>A-</td>
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<tr>
<td>87-89</td>
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</tr>
<tr>
<td>83-86</td>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>80-82</td>
<td>B-</td>
<td>2.7</td>
</tr>
<tr>
<td>77-79</td>
<td>C+</td>
<td>2.3</td>
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<td>73-76</td>
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<tr>
<td>67-69</td>
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<tr>
<td>63-66</td>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>60-62</td>
<td>D-</td>
<td>0.7</td>
</tr>
<tr>
<td>&lt;60</td>
<td>F</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Due Dates

The Course Schedule in HuskyCT lists all due dates for the course. All course deadlines are based on Eastern Standard Time; if you are in a different time zone, please adjust your submittal times accordingly.

Feedback and Grades

I will make every effort to provide feedback and grades in a timely manner. To keep track of your performance in the course, refer to My Grades in HuskyCT.

Course Objectives

By the end of the semester, students should be able to:

1. Describe normal physiology for body systems.
2. Apply knowledge of physiology/physiologic function to recognize pathophysiologic states.
3. Synthesize knowledge of altered physiology to articulate appropriate differential diagnosis of pathophysiologic states.
4. Integrate concepts of physiology/pathophysiology across body systems and population foci.

**Course Outline**

- **Week 1** - Cellular Function, Renal and Acid Base and Electrolytes
- **Week 2** – Pulmonary
- **Week 3** – Cardiovascular
- **Week 4** – Endocrine
- **Week 5** – Case Study 1
- **Week 6** – GI
- **Week 7** – Hematology/Oncology
- **Week 8** - Neuro
- **Week 9** – Immunity and Inflammation
- **Week 10** – Case Study 2
- **Week 11** – Renal and Urinary Tract
- **Week 12** - Reproduction System
- **Week 13** - Musculoskeletal System & Disorders
- **Week 14** - Shock States
- **Final Exam** – Case Study 3

**Student Responsibilities and Resources**

As a member of the University of Connecticut student community, you are held to certain standards and academic policies. In addition, there are numerous resources available to help you succeed in your academic work. This section provides a brief overview to important standards, policies and resources.

**Student Code**

You are responsible for acting in accordance with the [University of Connecticut’s Student Code](http://www.community.uconn.edu/student_code.html), available at [http://www.community.uconn.edu/student_code.html](http://www.community.uconn.edu/student_code.html). Review and become familiar with these expectations. In particular, make sure you have read the section that applies to you on Academic Integrity:
Cheating and plagiarism are taken very seriously at the University of Connecticut. As a student, it is your responsibility to avoid plagiarism. If you need more information about the subject of plagiarism, use the following resources:

- **Plagiarism: How to Recognize it and How to Avoid It**
- **Instructional Module about Plagiarism**
- **University of Connecticut Libraries’ Student Instruction** (includes research, citing and writing resources)

**Netiquette and Communication**

At all times, course communication with fellow students and the instructor are to be professional and courteous. It is expected that you proof read all your written communication, including discussion posts, assignment submissions, and mail messages. If you are new to online learning or need a netiquette refresher, please look at this guide titled, **The Core Rules of Netiquette**.

**Adding or Dropping a Course**

If you should decide to add or drop a course, there are official procedures to follow:

- Matriculated students should add or drop a course through **Peoplesoft**.
- Non-degree students should refer to **Non-Degree Add/Drop Information** located on the registrar’s website.

You must officially drop a course to avoid receiving an “F” on your permanent transcript. Simply discontinuing class or informing the instructor you want to drop does not constitute an official drop of the course. For more information, refer to the:

- **Undergraduate Catalog**
- **Graduate Catalog**

**Academic Calendar**

The University’s **Academic Calendar** contains important semester dates.

**Students with Disabilities**

Students needing special accommodations should work with the University’s **Center for Students with Disabilities** (CSD). You may contact CSD by calling (860) 486-2020 or by emailing csd@uconn.edu. If your request for accommodation is approved, CSD will send an accommodation letter directly to your instructor(s) so that special arrangements can be made. (Note: Student requests for accommodation must be filed each semester.)
The University of Connecticut's online course management system, HuskyCT, is a product of Blackboard, Inc. “Blackboard measures and evaluates accessibility levels using two sets of standards; Section 508 of the Rehabilitation Act issued from the United States federal government and the Web Accessibility Initiative (WAI) issued by the World Wide Web Consortium (W3C).” (Retrieved December 1, 2008 from http://www.blackboard.com/company/accessibility.aspx)

### Software and Platform Requirements

- Word processing software
- Adobe Acrobat Reader
- Internet access.

This course is completely facilitated online using the learning management platform, HuskyCT. If you have difficulty accessing HuskyCT, call the Digital Learning Center (DLC) at (860) 486-1187, or contact them online (including instant chat) at [http://dlc.uconn.edu/contact.html](http://dlc.uconn.edu/contact.html).

### Minimum Technical Skills

To be successful in this course, you will need the following technical skills:

- Use electronic mail with attachments.
- Save files in commonly used word processing program formats.
- Copy and paste text, graphics or hyperlinks.
- Work within two or more browser windows simultaneously.
- Open and access PDF files.

### Evaluation of the Course

Students will be provided an opportunity to evaluate instruction in this course using the University's standard procedures, which are administered by the Office of Institutional Research.