

General Pathology ALHN 121

Course Description: Basic principles of pathogenesis are explored. This also includes the study of the clinical manifestations of diseases according to body systems, diagnosis, treatment, and surgical intervention for the specific disease processes.

Prerequisites: BIOG 115 or BIOG 122 (concurrent).

Text: Frazier, et. (2009). *Essentials of Human Diseases and Conditions*, 4th ed. Saunders/Elsevier.

Course Outcomes:

Upon completion of ALHN 121, the students will attain the following outcomes:

1. Cognitive/knowledge (what a student should know from studying pathology):
 - Describes the effects of specific diseases on the body systems
 - Explains the basis of a usual sign or symptom associated with a specific disease
 - Predicts major signs and symptoms that result from malfunction of a particular organ or system
 - Discusses how the human body attempts to compensate in the presence of disease
 - Recognizes the interdependency of different organ systems
 - Compares and contrasts diseases of excesses and deficiencies
 - Explains usual diagnostic procedures and tests that are designed to assess the structure and/or function of a specific system of the body
 - Relates the principles of usual treatment for the specific pathology
2. Behaviors/skills (what a student should be able to do as a result of studying pathology):
 - Familiarizes self with medical terminology to improve own understanding of pathology and role as an allied health professional
 - Evaluates references for currency and relevance in studying pathology
 - Increases skill in observing and accurately reporting own observations while working as an allied health professional
 - Reads current journal articles about diseases including causes, predisposing factors, signs and symptoms correlated with pathology occurring, diagnostic procedures, treatment, new advances in treatment, and prognosis
3. Values/attitudes (what additions or changes should the student experience in interests, appreciation, beliefs, and judgments as a result of studying pathology):
 - Values the inquiry process to establish proper understanding of pathology
 - Appreciates how surgical intervention assists the client in achieving the promotion, maintenance, and restoration of health
 - Believes that knowledge gained of pathology can be applied to their own role as an allied health professional

Course Requirements:

Successful achievement in ALHN 121 is contingent upon the following:

1. **Complete all reading assignments** and be able to answer questions related to the textbook and syllabus objectives and discussion questions. Each week several topics will be covered and we will follow the chapters in the textbook. Read each chapter carefully, as most of the exam questions come from the text.
2. When studying, review the learning objectives and key words at the beginning of each chapter. Students who do well on the exams know the terminology (key words) and know the learning objectives. Answer the questions at the end of each chapter.
3. Review the powerpoint presentations for each chapter. These do a nice job of outlining each chapter for you.
4. **Exams** addressing the objectives and material will be given. All exams are multiple choice. **There are no make up exams.** Five exams will be given. **Students are able to miss or drop one exam.** If you have done well on the first four exams, you do not have to take the final exam. The final exam can be the grade dropped, if you choose. **Each exam is worth 50 points. Your grade will be based on the best of four exams.**
 - a. Exams will be available on the Internet. Dates of the exams can be found on the course schedule. Exams will be available from 12:00am on the first day until 11:00 pm the last day. If you are late or cannot take an exam when posted, **please do not ask me to extend the time.** You can count that exam as the one you may drop.
5. **Discussion Questions:** For each lecture there will be questions related to pathology that you will need to answer. These questions are located at the end of each lecture. You pick the question you want to answer; **you need to answer one question per lecture thoroughly.**

Each person will give their response to the question (at least 100-word answer) and post their response in the matching lecture folder located under lessons. To get complete credit you **must include your reference(s)** in your answer, where did you find your information. Your references should include the source which you used, the author, the date, and if it is an internet site, the URL. **You also need to make one comment** at least one time during the lecture to another classmates posting. One point (-1) will be deducted if no response is made. Your responses need to be substantive, at least a 50 word answer. Suggestion: you may want to comment based on your past health experience or relate it to your current program. We all have something to offer and can learn from each other, so these discussion questions are a way to increase our knowledge base. **Each question is worth 2 points.**

For the semester, **the total of all discussion questions will be worth 24 points (12 questions total)**

6. Completion of the **crossword puzzle** for each chapter. The crossword puzzle is completed in Angel and you will receive a grade for the puzzle when you submit the puzzle. **Each crossword puzzle is worth 2 points, except #11 which is worth 4 points. The total of all crossword puzzles is 26 points.** Just an FYI about the crossword puzzles: when you click on the "hint" it will give you a letter but it also will deduct from your grade.
7. Completion of **research paper** on a disease process. Follow the criteria listed in the syllabus for the paper. See schedule for due date. Please post your paper in the folder marked paper so others can read your paper....this is a way we can share information and learn from each other. **The paper is worth 50 points.**

8. **Extra Credit:** There is the opportunity to get **10 extra credit points** in the course. For this, a student will post information about a pathology topic that has occurred in the news recently. This will include information on where the information was found and a brief discussion on it. It is also expected that all students in the class will have a short discussion about the topic. The student who posted the topic will manage the discussion of the topic with the other students in the class. The student who originally posts the information will get the points. Only 10 extra credit points per student. Please refer to the calendar for the last day to post extra credit.
6. Review and knowledge of the learning objectives located at the beginning of each chapter and knowledge of the key words (spelling, definition, and pronunciation) found at the beginning of each chapter.

Evaluation:

Exams, discussion questions, and paper, will be graded as follows:

Grading Scale:	A	93 - 100%	279-300 points
	B	85 - 92%	255-278 points
	C	78 - 84%	234-254 points
	D	70 - 77%	210-233 points
	F	Below 70%	Below 210 points

Points:	Exams:	50 points each	200 points
	Paper:	50 points	50 points
	Lecture Questions	2 points per lecture	24 points
	Crossword Puzzles	2 points each (#11=4 pts)	26 points
	Total		300 points

Research Paper

Each student will submit a research paper covering in detail a specific disease process. It is to include factors, signs and symptoms correlating with the pathology occurring, diagnostic procedures, treatment and prognosis. Try to do your paper on a disease that you are very interested in. If you have questions about your chosen disease, please ask.

Paper must be typed, double spaced, 2-3 pages in length. ***You can always submit the paper earlier than the due date.***

The criteria for the paper is as follows:

	Possible Points	Points Earned
Title page with title to paper, name, course, date, instructor's name	0	
Introduction and definition of disease	3	
Causes of the disease (5 points), predisposing factors (5 points)	10	

Signs & symptoms of the disease. Identify signs and symptoms (5 points). Identify the origin of each specific sign or symptom (5 points). <i>For example: bone marrow suppression in leukemia causes a drop in the mature white blood count which is likely to place the individual at risk for an infection. Mature white blood cells are needed for fight infection. The immature WBCs are not capable of protecting the body against invasion by bacteria. Infection is often first recognized by the appearance of a fever.</i>	10	
Diagnostic procedures, identification of diseases with current lab work, radiologic and ultrasound procedures, surgical procedures.	5	
Treatment including medications, surgery, diet, respiratory therapy, physical therapy, occupational therapy, speech therapy, psychologic counseling, and education (3 points). Identify purpose of each treatment (3 points). Treatments need to be what is currently acceptable (2 points). Prognosis (2 points).	10	
All information has a source of information. References should be noted on a reference page at end of paper. At least four (4) references need to be used.	5	
Grammar	2	
Spelling: must have 95% accuracy	2	
Organization: Contains an introduction, body of paper, and concluding statements Paragraphing is properly done.	2	
Articulation: Thoughts clearly and simply expressed. Development of content is logical in progression.	1	
TOTAL	50	