



# BIOL 2320 Pathology/Microbiology for Funeral Sciences ONLINE

Course Syllabus: Spring 2021

*“Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed.”*

**Instructor: Shannon Cox-Kelley**

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Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online
						By Appt.

***This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities.***

*Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.*

**Course Description:** 3 Credit Hours. Basic principles of pathophysiology and microbiology for funeral science. The course focuses on inflammatory disorders, degenerative disorders and trauma to the body. Additionally, disease-causing microorganisms, their classification, anatomy, requirements for growth, methods of control, and human diseases caused by significant microorganisms are covered.

**Prerequisite(s):** None.

## **Student Learning Outcomes:**

- Define pathology and disease and identify causative agents of disease.
- Provide examples of cellular reaction to injury and the causes of inflammation.
- Describe conditions associated with disturbances in circulation and diseases of the blood and circulatory system.
- Identify characteristics of disorders of the digestive, respiratory and urinary systems and any post-mortem conditions associated with these.
- Identify characteristics of the skeletal, endocrine, integumentary and lymphatic systems and any post-mortem conditions associated with these.
- Identify characteristics of neoplasms and cysts, disorders of the nervous systems and any post mortem conditions associated with these.
- Identify characteristics of disorders of the skeletal, endocrine, integumentary and lymphatic systems and any post-mortem conditions associated with these.
- Identify characteristics of disorders of the female and male reproductive systems, structural abnormalities and birth defects and any post-mortem conditions associated with these.
- Understand characteristics of acellular infectious agents (viruses and prions) and cellular infectious agents (prokaryotes and eukaryotes).
- Distinguish between mechanisms of physical and chemical agents to control microbial populations.

## Evaluation/Grading Policy:

The final grade will be determined as follows:

### For your final grade:

**Exams: FOUR (4) exams** will be worth **50%** of the total grade. The first three exams will be worth **10%** each and the final exam is a comprehensive exam which will be worth **20%**. **Exam questions will be multiple choice and short answer and will be limited to material covered in textbook & online exercises; including quizzes and case studies.** (The majority of questions will be taken from course exercises.)

**Course Exercises:** All course exercises done in your BLACKBOARD will be graded. Course exercises must be originals and cannot be copies, per copyright laws. Each course exercise completed in BLACKBOARD will be **30%** of your course grade. These include quizzes, labeling, video exercises, and case studies.

**Course Discussions:** Weekly discussions as specified on blackboard are required, and will be worth **20%** of the total course grade. **Final discussion responses will only be accepted the day that they are due.**

**Letter grades** will be assigned according to the following scale:

A = 90-100	C = 70-79
B = 80-89	D = 60-69
	F = below 60

**Please be aware that NO EXTRA CREDIT WILL BE GIVEN at the end of the semester. The average shown in Bb will determine the final course grade, and no additional work is possible.**

**Required Instructional Materials: Pathology and Microbiology for Mortuary Science, 2006  
By David Mullins**

**Publisher: Delmar-Cengage Learning      ISBN Number: 978-1-4018-2519-5**

**Optional Instructional Materials:** None.

**Minimum Technology Requirements:** Respondus Web Monitor (\$10.00). You will register for Respondus Monitor in the "Start Here" folder in blackboard. Please follow instructions in blackboard.

A complete overview of the technical requirements and software for this course can be found in the start here folder in blackboard. Keep in mind that in order for Blackboard to function properly, **you must set your pop-up blocker to allow content from this site (ntcc.edu)** and have Java properly installed on your computer. Mozilla Firefox or Google Chrome are recommended for your browser. For more information on these and other technical requirements, see the information in the start here folder mentioned above.

### Required Computer Literacy Skills:

To be successful in this course, students are expected to be able to:

- Search the World Wide Web and efficiently use a web browser such as Firefox
- Have a basic understanding of their computer operating system
- Use Adobe Reader to view and download PDF documents
- Attach files to email
- Play audio/video files
- Use a word processor such as Microsoft Word to create documents
- Save a Word document (.docx) as a PDF

- Download ZOOM

### Course Structure and Overview:

Students should log onto **Blackboard (Bb)** ASAP and **carefully** read **all announcements**. **Bb** and **student email** should be checked **DAILY** for **new announcements or messages**.

Questions are welcomed during office hours (or by appointment), or if more convenient, they can be directed to me either by phone or e-mail. **Please do not hesitate to ask questions! There is no such thing as a stupid question. It is only stupid NOT to ASK them. It is VERY difficult to improve your course average after you fail the first exam, so PLEASE contact the instructor for help or studying tips EARLY in the semester, before it is too late to make a difference.**

**Exam/Quiz Make-Up Policy:** If a student is unable to take an exam/quiz as scheduled, a make-up will be arranged **ONLY** if the reason is legitimate, and the instructor is notified **IN ADVANCE of the time the exam/quiz is scheduled** (or becomes unavailable), either through the telephone or e-mail. **Students who fail to make appropriate arrangements will receive a grade of “0” for the exam missed.** There will be no exceptions.

**Communications:** campus email is the preferred method of communication. Emails will be responded to within 24 hours, including on weekends. Should there be deviations from this, the instructor will send an announcement out on blackboard of delayed response times. Grading will occur within 24 hours of the posted due date.

### Institutional/Course Policy: **Student Responsibilities/Expectations:**

- Northeast Texas Community College is a “community of scholars.” Please remember that you and all of the students in this class are pursuing very important goals in your lives. As scholars, I expect every student to be courteous to other students and the instructor in all online experiences.
- All colleges and universities must remain diligent in their pursuit of assuring the academic integrity of their courses to maintain their accreditation status with Southern Association of Colleges and Schools and the Texas Higher Education Coordinating Board. The academic integrity of NTCC’s online courses is maintained with the documented use of respondus for all exams and quizzes.
- Schedule and plan to complete all assignments and submit them when they are due. Be sure to print off the calendar to help you keep up with assignment due dates.
- Be sure to do all of your own work. Collusion and plagiarism are acts of academic dishonesty. Work that is copied and pasted directly from any website is not acceptable in any form on any assignment. See the Student Handbook, p. 90 for definitions of collusion, plagiarism, and cheating. Infractions can result in severe grading penalties or failure.
- The last day to drop the course with a grade of W is **Tuesday, November 17, 2020**. If circumstances require you to withdraw from this course, you must do so by that date. It is the student’s responsibility to initiate the withdrawal with the registrar’s office. Failure to officially withdraw will result in your receiving a grade of F.

### **Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements**

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not

limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (<http://www.ntcc.edu/>) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

### **NTCC Academic Honesty/Ethics Statement:**

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

### **ADA Statement:**

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

### **Family Educational Rights and Privacy Act (FERPA):**

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

**Tentative Course Timeline (\*note\* instructor reserves the right to make adjustments to this timeline at any point in the term):**

## **COURSE SCHEDULE**

<b><u>DATE</u></b>	<b><u>CONTENT</u></b>	<b><u>CHAPTERS</u></b>
<b>WEEK 1</b>	Class Orientation - Syllabus, Blackboard and Textbook	
	Introduction to Pathology	CH 1
	Nature of Disease	CH 2
	<i>Discussion Week 1: Introductions in Start Here Folder</i>	
	<i>Syllabus Quiz</i>	
	<i>Interactive Autopsy Assignment</i>	
	<i>EdPuzzle – Death Processes</i>	

	<i>Case Study #1</i> <i>Quiz Week 1</i>	
<b>WEEK 2</b>	Cellular Reaction to Injury Inflammation <i>Discussion Week 2: Cell Disorders</i> <i>Cell Organizer</i> <i>EdPuzzle – Inflammation</i> <i>EdPuzzle – Atrophy &amp; Hyperplasia</i> <i>Quiz Week 2</i>	CH 3 CH 5
<b>WEEK 3</b>	Disturbances in Circulation Neoplasms and Cysts <i>Discussion Week 3: Cancer</i> <i>Case Study Week 3</i> <i>EdPuzzle -Cancer</i> <i>Quiz Week 3</i>	CH 6 CH 7
<b>Material</b>		<u>    </u> <b>End Exam</b>
	<b>EXAM 1</b>	<b>CH 1-3,5-7</b>
<b>WEEK 4</b>	Diseases of the Blood Diseases of the Heart and Vessels <i>EdPuzzle – Blood Disorders</i> <i>Heart Labeling</i> <i>Blood Study Guide</i> <i>Case Study Week 4, part 1 and part 2</i> <i>Quiz Week 4</i>	CH 8 CH 9
<b>WEEK 5</b>	Diseases of the Digestive System Diseases of the Respiratory System <i>Digestive Concept Map</i> <i>EdPuzzle – Pulmonary Diseases</i> <i>Case Study Week 5</i> <i>Quiz Week 5</i>	CH 10 CH 11
<b>WEEK 6</b>	Diseases of the Urinary System Diseases of the Nervous System <i>EdPuzzle – MS</i> <i>Urinary Labeling</i> <i>Case Study Week 6, part 1 and part 2</i> <i>Quiz Week 6</i>	CH 12 CH 13
<b>WEEK 7</b>	Diseases of the Female Reproductive System Diseases of the Male Reproductive System Structural Abnormalities and Birth Defects <i>Discussion Week 7: Chimera</i> <i>Case Study Week 7</i> <i>Female and Male Labeling</i> <i>EdPuzzle – STI</i> <i>EdPuzzle – Birth Defects</i> <i>Quiz Week 7</i>	CH 14 CH 15 CH 4
<b>Material</b>		<u>    </u> <b>End Exam</b>
<b>WEEK 8</b>	<b>EXAM 2</b>	<b>CH 4, 8-15</b>

<b>WEEK 9</b>	Diseases of the Bones and Joints Diseases of the Endocrine System <i>Concept Map Endocrine</i> <i>Case Study Week 8</i> <i>EdPuzzle – Arthritis</i> <i>Quiz Week 9</i>	CH 16 CH 17
<b>WEEK 10</b>	Diseases of the Integumentary System Diseases of the Lymphatic System <i>Label Skin Structures</i> <i>EdPuzzle - Psoriasis</i> <i>Case Study Week 10</i> <i>Quiz Week 10</i>	CH 18 CH 19
<b>WEEK 11</b>	Introduction to Microbiology Anatomy of Bacteria <i>Discussion Week 11: Microbes</i> <i>EdPuzzle - Germ Theory</i> <i>EdPuzzle – Eukaryote vs Prokaryote</i> <i>Quiz Week 11</i>	CH 20 CH 21
<b>Material</b>		<u>    </u> <b>End Exam</b>
	<b>EXAM 3</b>	<b>CH 16-21</b>
<b>WEEK 12</b>	Physiology of Bacteria Control of Microorganisms <i>Discussion Week 12: Bacteria</i> <i>EdPuzzle - Bacteria</i> <i>EdPuzzle – Control of Microorganisms</i> <i>Quiz Week 12</i>	CH 22 CH 23
<b>WEEK 13</b>	Microbe Virulence and Human Resistance Diseases Caused by Bacteria <i>Discussion Week 13: Plague</i> <i>EdPuzzle – Disease Transmission</i> <i>Case Study Week 13</i> <i>Immunity Case Study</i> <i>Quiz Week 13</i>	CH 24 CH 25
<b>WEEK 14</b>	Diseases Caused by Mycoplasmas, Rickettsias, or Chlamydias Diseases Caused by Prions and Viruses <i>Discussion Week 14: Noahs Ark</i> <i>EdPuzzle - Viruses</i> <i>Case Study Week 14, part 1 and part 2</i> <i>Quiz Week 14</i>	CH 26 CH 27
<b>WEEK 15</b>	Diseases of Fungi and Protozoa <i>Discussion Week 15: Protozoa</i> <i>Case Study Week 15</i> <i>Quiz Week 15</i>	CH 28
<b>Material</b>		<u>    </u> <b>End Exam</b>
<b>WEEK 16</b>	<b>FINAL EXAM</b>	<b>EVERYTHING</b>