

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: MLT 2193C

COURSE TITLE: Histopathology

PREREQUISITE(S): None

COREQUISITE(S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 4

CONTACT HOUR BREAKDOWN:

Lecture/Discussion:

Laboratory:

Other \_\_\_\_\_: 4 (Lecture/laboratory combination)

FACULTY WORKLOAD POINTS: 3

STANDARDIZED CLASS SIZE ALLOCATION: 20

## CATALOG COURSE DESCRIPTION:

This course provides students with the correlations between histotechnological procedures and disease processes. Students will study the changes in tissue that are associated with various disease states and will learn the usefulness of selected special stains and techniques in identifying disease processes. Evaluation of acceptability of tissue procedures will be stressed. This course may be offered by way of Internet.

SUGGESTED TEXT(S): Stevens, Alan and James Lowe, Human Histology, Current Edition, Mosby

IMPLEMENTATION DATE: Fall Term, 1990 (911)

REVIEW OR MODIFICATION DATE: Fall Term, 1997 (981)  
Fall Term, 2002 (20031)  
Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Wellness and Disease Concepts	6
A. Personal Health Practices	
B. Environmental Factors Affecting Health	
C. Stress	
D. Genetic Factors	
E. Death and Dying	
II. Injury and Inflammation	5
A. Types of Specimens	
B. Routine and Special Stains	
C. Diagnostic Interpretations	
III. Disorders of Growth; Neoplasia	5
A. Types of Specimens	
B. Routine and Special Stains	
C. Diagnostic Interpretations	
IV. Athlerosclerosis, Thrombosis, Infarction	4
A. Types of Specimens	
B. Routine and Special Stains	
C. Diagnostic Interpretations	
V. Cardiac and Respiratory Systems	5
A. Types of Specimens	
B. Routine and Special Stains	
C. Diagnostic Interpretations	
VI. Alimentary System	5
A. Types of Specimens	
B. Routine and Special Stains	
C. Diagnostic Interpretations	
VII. Hepatobiliary System and Pancreas	5
A. Types of Specimens	
B. Routine and Special Stains	
C. Diagnostic Interpretations	

COURSE TOPICS (CONTINUED)	CONTACT HOURS <u>PER TOPIC</u>
VIII. Renal System Diseases	5
A. Types of Specimens	
B. Routine and Special Stains	
C. Diagnostic Interpretations	
IX. Reticuloendothelial System	6
A. Types of Specimens	
B. Routine and Special Stains	
C. Hematopoiesis	
D. Diagnostic Interpretations	
X. Female Reproductive System; Breast	6
A. Types of Specimens	
B. Routine and Special Stains	
C. Diagnostic Interpretations	
XI. Male Reproductive System; Endocrine Tissue	4
A. Types of Specimens	
B. Routine and Special Stains	
C. Diagnostic Interpretations	
XII. Skeletal and Nervous Systems	4
A. Types of Specimens	
B. Routine and Special Stains	
C. Diagnostic Interpretations	

PROGRAM TITLE: Histologic Technology

COURSE TITLE: Histopathology

CIP NUMBER: 0317.030800

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

04.0 DEMONSTRATE AN UNDERSTANDING OF AND APPLY WELLNESS AND DISEASE CONCEPTS -- The student will be able to:

- 04.01 Develop a basic understanding of the structure and function of the body systems.
- 04.02 Identify personal health practices and environmental factors which affect optimal function of each of the major body systems.
- 04.03 Identify psychological reactions to illness including defense mechanisms.
- 04.04 Recognize the steps in the grief process.
- 04.05 Explain basic concepts of positive self image, wellness and stress.
- 04.06 Develop a wellness and stress control plan that can be used in personal and professional life.
- 04.07 Explain the nutrition pyramid.

12.0 IDENTIFY THE ANATOMIC STRUCTURE AND FUNCTION OF BODY SYSTEMS IN RELATION TO DISEASE STATES AND SERVICES PERFORMED BY THE HISTOTECHNICIAN -- The student will be able to:

- 12.01 Demonstrate knowledge of human anatomy and physiology as related to histotechnology.
- 12.02 Demonstrate knowledge of normal histology of human organs.
- 12.03 Demonstrate knowledge of various methods of obtaining histological specimens from patients.
- 12.04 Identify tissue structures and cellular components; relate both to physiological functions.
- 12.05 Demonstrate knowledge of types of histological specimens usually submitted for gross and microscopic examination.
- 12.06 Demonstrate knowledge of the processing of histologic specimens especially as related to disease processes.
- 12.07 Demonstrate knowledge of tissue processing methods, especially variety of fixatives used, as each relates to a specific entity or disease process to be diagnosed.

13.0 PRACTICE QUALITY ASSURANCE, SAFETY AND ACCEPTABLE COMMUNICATION SKILLS -- The student will be able to:

- 13.04 Demonstrate knowledge of diagnostic terminology.

15.0 RECEIVE TISSUE SPECIMENS AND PERFORM PREPARATION TECHNIQUES AS INDICATED -- The student will be able to:

- 15.05 Distinguish between well-prepared and stained and poorly-prepared and stained histologic specimens.
- 15.06 Identify tissue structures and their staining characteristics.



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

<b>Section 1</b>	
<b>COURSE PREFIX AND NUMBER:</b> <u>MLT 2193C</u>	<b>SEMESTER CREDIT HOURS (CC):</b> <u>3</u> <b>CONTACT HOURS (NCC):</b> <u>4</u>
<b>COURSE TITLE:</b> _____	

**Section 2**  
**TYPE OF COURSE: (Click on the box to check all that apply)**

<input type="checkbox"/> AA Elective	<input checked="" type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input checked="" type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____	<input type="checkbox"/> PSAV	<input type="checkbox"/> Apprenticeship
<input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)		

**Section 3 (If applicable)**  
**INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:**

<input type="checkbox"/> Communications	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

**Section 4**  
**INTELLECTUAL COMPETENCIES:**

<input checked="" type="checkbox"/> Reading	<input checked="" type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis	<input type="checkbox"/> Quantitative Skills	<input type="checkbox"/> Scientific Method of Inquiry
<input checked="" type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input checked="" type="checkbox"/> Information Literacy	<input checked="" type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively

<b>Section 5</b>		
<b>LEARNING OUTCOMES</b>		<b>METHOD OF ASSESSMENT</b>
•	Discuss key concepts of wellness, including the effects of disease, stress, genetic factors, and nutrition on the individual functioning in the health care professions	Discussion forum, online mastery learning quizzes, final exam
•	Identify the types of specimens that would be received in the histology laboratory for the investigation of disease states affecting the major anatomic/physiologic systems of the human	Online mastery learning quizzes, final exam
•	Describe the routine and special stains that would be requested by the physician in order to investigate the disease states affecting the major anatomic/physiologic systems of the human	Online mastery learning quizzes, final exam
•	Evaluate the acceptability of stained tissue slides for presentation to the pathologist	Practice with prepared photomicrographs depicting errors in tissue preparation of staining, online mastery learning quizzes, final exam
•	Research a selected special stain for presentation of a paper online and perform that stain to illustrate its usefulness in the diagnosis of disease	Research paper, prepared slide with tissue block

**Section 6**  
Name of Person Completing This Form: Merry A. Carter                      Date: 4/11/2008