
Instructor: Dr. Terry D. Jones

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Office Hours: MW 9:00-11:00, F 9:00-10:00

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COURSE DESCRIPTION

Histology is the study of tissues and how they are arranged to form organs. Although it focuses on structure, the goal is to better understand function. This course is arguably one of the most useful biology courses you can take: histology is the foundation of the study of function, macroscopic and microscopic anatomy, physiology, and cell and molecular biology and a fundamental part of contemporary medicine.

COURSE OBJECTIVES

This course will allow you to:

- Understand the organization of the animal (especially mammalian) body from the cellular to the organ levels, and the relationship of structure and function
- Understand the correct use of a light microscope
- Understand lectures, texts, articles that you may subsequently encounter.
- Understand the nature of science and the biological significance of animal structure

TEXTBOOK

Ovalle, W.K. and P. C. Nahirney. 2013. *Netter's Essential Histology*, 2e. Elsevier

COURSE PAGE

Information for the course (exam scores, syllabus, calendar, related materials, etc.) can be found on the course's Blackboard page.

EXAMS

There will be three exams that will include written questions, identification from projected images, and "show me" questions utilizing your slide sets. There will be no final exam. Exams will begin promptly at the designated time; students arriving late for exams will not be given extra time. If you miss an exam without prior arrangement or fail to contact me within one hour of the exam and then document your absence, you will receive a zero for that exam.

Exams are written with the above-listed course goals in mind. The information in this course cannot be divided into separate, discreet units, therefore, all exams will, to some extent, be cumulative. Exam questions are very carefully written, in technical and standard English. Your answers must be clear, thoughtful, and appropriate to the question asked. Correct spelling and grammar is necessary for effective communication and poor spelling and grammar are signs of intellectual immaturity and/or carelessness. Therefore, spelling and/or grammatical errors will result in loss of points on exams; illegible and/or unintelligible answers will receive no credit. Students have one class day after an exam has been returned to contest scores; after that exam scores will not be changed.

HISTOTECHNIQUE PROJECTS

Histotechnique projects will entail producing histological slides. Projects will be graded on the quality of the slides (including sectioning, staining, and mounting).

GRADING

Grades are determined by your achievement during the course: specifically for your ability to communicate your understanding of the material in this course. CR/NC grades are not possible for this course. Although I will look for "natural breaks", letter grades will generally be assigned as follows (the use of +/- grades is at my discretion): A \geq 90%, B \geq 80%, C \geq 70%, D \geq 60%, F < 60%.

While attendance and participation (or lack thereof) will not be directly calculated into your grade, they are generally revealed on exam performance.

HISTOLOGY SLIDE SETS

A slide set will be checked out to each student. You will be responsible for each slide in the set. You will be charged for each slide that is lost or damaged. The entire slide set costs \$600; individual slide prices range from \$4.00 - \$20.00. Grades will not be submitted until charges are paid; after one semester the grade will become an F.

Histology is best understood when students systematically examine material. Therefore, cameras will not be allowed during lab (see Recording Policy, below)

OPEN-LAB

To gain the most from the course (and to achieve success as measured by good grades) you will want to study in the laboratory for several hours each week in addition to the scheduled class and lab sessions. The lab will normally be available F 8:00 am-3:00 pm. However, any inappropriate use of the lab or the destruction or loss of lab materials during open lab will result in cancellation of this privilege for the duration of the term for all students.

DROP POLICY

The drop policy for this course is the same as the university policy (CSU Stanislaus University Catalog: Academic Policies and Procedures): "Adding or dropping courses after the Enrollment Census Date [24 February] will not be allowed. After the Enrollment Census Date, students are responsible for completion of the course(s) in which they are enrolled." Withdrawal from courses after the Enrollment Census Date may be allowed "for documented extreme circumstances beyond the student's control". Illness and similar catastrophes may qualify as extreme circumstances; academic difficulties do not.

RECORDING POLICY

The use of audio and/or video recorders or cameras is not permitted during lecture or lab. An exception is made for students who are registered with Disability Resource Services and approved for this accommodation. If you do not intend to comply with this policy, please enroll in another class.

STUDENTS WITH DISABILITIES

Students with documented disabilities need to make an appointment as soon as possible to discuss course adaptations and/or accommodations. If you have an undocumented disability, contact Student Support Services.

PERSONAL INTEGRITY

Behavior that interferes with the instructor's ability to teach or the ability of students to benefit from instruction will not be tolerated. Examples of such behavior include: audible ring tones, late arrivals, early departures, irrelevant conversation, and inappropriate use of phones or computers. Inappropriate behavior will be dealt with as severely as university regulations allow. In addition, misuse of lab materials (including incorrect use of microscopes) will result in lost points and may result in grades being withheld until the department has been compensated for damaged materials. Behavior that is not consistent with the Student Conduct Code, including any form of academic dishonesty, will result in immediate expulsion from the course, a failing grade, and the matter will be referred to the Office of Student Judicial Affairs.

IMPLIED CONTRACT

This syllabus serves as a contract between you and the instructor. Your continued enrollment in this class denotes your understanding of and agreement with the contents in the syllabus.

Projected Schedule*

Date		Lecture/Lab Topics	Text (Ch.)
Jan	28	Introduction, Histotechnique, Microscopy	Appendix
Feb	02		
	04	Epithelial Tissues	2
	09		
	11	Connective Tissues	3, 6, 7
	16		
	18	Muscular Tissues	4
	23	Nervous Tissues	5
	25		
Mar	01	Exam	
	03	Integumentary System	11
	08		
	10	Cardiovascular System	8
	15		
	17	Lymphoid System	9
	22		
	24	Endocrine System	10
Apr	05		
	07	Respiratory System	15
	12	Exam	
	14	Digestive System	13-15
	19		
	21		
	26	Urinary Systems	20
	28		
May	03	Reproductive System	22-23
	05		
	10	Sense Organs	19-20
	12		
	17	Exam	

*The topic schedule is tentative and exam dates may change.