
Instructor: Dr. Terry D. Jones **E-mail:** tdjones@csustan.edu (include the course name or number in the subject line}
Office: N267 **Phone:** 209.667.3488 (e-mail is the best way to contact me)
Office Hours: MW 9:00-10:30 **Course Page:** moodle.csustan.edu

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, the major features and interrelationships of the organs, and the relationship of structure and function

Understand the nature of science and the biological significance of animal structure.

Understand the correct use of a light microscope

Understand lectures, texts, articles that you may subsequently encounter.

Develop your care in verbal expression (including the precise use of English and scientific terminology) and habits of logical and critical thinking.

TEXTBOOKS

Tallitsch, R and Guastaferrri, R. 2009. *Histology: An Identification Manual (with Student Consult Online Access)*. Elsevier-Mosby. ISBN: 978-0-323-04955-9 (Required)

Ovalle, WK and Nahirney PC. 2008. *Netter's Essential Histology (with Student Consult Online Access)*. Elsevier-Saunders. ISBN: 978-1-929007-86-8 (Recommended; if you opt not to purchase this text, you will need other resources)

COURSE PAGE

Information for the course (exam scores, syllabus, calendar, related materials, etc.) can be found on the course's Moodle page (moodle.csustan.edu). You must register for the page to access it. The key for the course is: zool4151.

To register click the link for the appropriate course from the Moodle site. Create a new account (or you may use a previously created account). Enter the enrolment key for the course. Once enrolled, go to your 'Profile Settings > Edit Profile'. Make sure that the information there is accurate (e.g., your full name has been entered, your email address is correct). At the bottom of the page enter your student identification number. Students who fail to correctly register for the Moodle page by 01 February 2012 will be dropped from the class.

EXAMS

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. Exams will begin promptly at the designated time; late arrivals will not be given extra time and no exams will begin after the first student has completed their exam. If you miss an exam without prior arrangement or fail to contact me within one hour of the exam, you will receive a zero for that exam.

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.

Lecture Exams

There will be two lecture exams (50 points each). Exam questions and may be in a variety of formats.

Lab Exams

There will be two laboratory exams (30 points each) consisting of questions from projected images and “show me” questions using your slide set.

Reviewing Exams

Students have one class day after an exam has been returned to contest grades.

HISTOLOGY PROJECT

Each student will give an oral report based on a histological project (40 points). This project will include the preparation of one or more histological slides. The projects will be graded on organization and clarity, accuracy of interpretation, quality of slide preparation, effort expended on the project, and your participation in critiquing the presentations of your classmates.

GRADING

Grades are determined by your achievement during the course: specifically for your ability to communicate your understanding of the material in this course. The performance of your classmates will have no impact on your grade and scores will not be curved or otherwise adjusted. CR/NC grades are not possible for this course. Your grade will be determined by your performance in lecture and lab. A total of 200 points are available. 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 W 2-5, and F 8-12. 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 [22 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. Withdrawal from the course must be approved by the instructor, the chair of the Department of Biological Sciences, and the dean of the College of Natural Sciences, before being submitted to Student Affairs for approval.

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

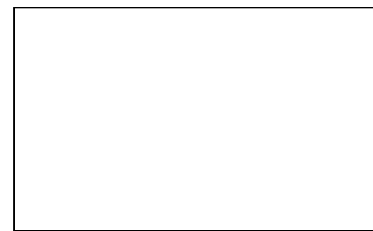
Students with documented disabilities need to make an appointment as soon as possible to discuss course adaptations and/or accommodations. If you have an undocumented disability, contact Student Support Services.

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 (http://www.csustan.edu/JudicialAffairs/documents/Student_Code_of_Conduct.pdf), 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 Topic	Date		Lab Topic	
	27	Introduction			
Jan	30	Microscopy / The Cell		30	Slide Check-out, Microscopy, Cells
	01 ¹	Epithelial Tissue	Jan		
	03				
	06			06	Epithelial Tissues
	08	Muscular & Nervous Tissues			
	10				
	13			13	Muscular and Nervous Tissues
Feb	15	Connective tissue: CT Proper,			
	17	Supportive CT			
	20		Feb	20	Connective Tissues: CT Proper, Supportive CT
	22	Connective tissue: Supportive			
	22 ²	Connective Tissues, Blood and			
	24	Hematopoietic Tissues			
	27			27	Connective Tissues Supportive
	29	Cardiovascular System,			Connective Tissues, Blood and
	02	Lymphoid Organs system			Hematopoietic Tissues
	05			5	Cardiovascular System,
	07	Digestive System: Alimentary			Lymphoid Organs, Review
	09	Tract			
	09	Exam (50 points)			
	12	Digestive System: Alimentary		12	Practical (30 points)
Mar	14	Tract (Cont'd)	Mar		
	16				
	19	Digestive System: Accessory		19	Digestive System: Alimentary
	21	organs			Tract
	23				
	26	Respiratory and Urinary		26	Digestive System: Accessory
	28	Systems			organs
	02			02	Respiratory and Urinary
	04	Reproductive and Endocrine			Systems
	06	Systems			
	16			16	Reproductive and Endocrine
	18	Integumentary System	Apr		Systems
Apr	20		Apr		
	23			23	Integumentary System
	25	Sense Organs			
	27				
	30			30	Sense Organs. Review
May	02	Presentations	May		
	04		May		
	07			07	Presentations

1 Deadline to register for Moodle

2 Census day: last day to drop

09
14

21 **Final** (2:00 pm; 50 points)

14 **Practical** (30 points); check-in
slide sets