



DHYG 115 Oral Histology & Embryology Section Name Section Credit Hours Credits **Syllabus**

Course Information

Meeting times and location: section meeting_times section location

Catalog description: Introduction to general histology and embryology with emphasis on the microscopic structures of enamel, dentin, pulp, cementum, periodontal ligament, bone, oral mucosa, epithelial attachment and orofacial structures. Prerequisites: Admissions into the Dental Hygiene Program.

Prerequisites: Take DHYG-110, DHYG-112, DHYG-113, DHYG-114 and DHYG-217

Terms offered: Fall Only

Section-specific Course Description:

Course Level Objectives

Upon successful completion of the course, the student will be able to...

1. Differentiate between the body's cells, tissues and organs with emphasis on the oral and facial area by development structure and function.
2. Identify the morphological and physiological characteristics of oral tissues.
3. Assess oral and facial developmental disturbances in reference to the development of the human embryo.
4. Correctly estimate the developmental patterns, eruption, and exfoliation of teeth.
5. Differentiate tooth tissues by origin, formation, composition, components, characteristics, and function and assess clinical considerations of tooth tissues and supporting structures.
6. State the development, structure and functions of the body's cells, tissues and organs.
7. Describe the development of the human embryo according to time and sequence.

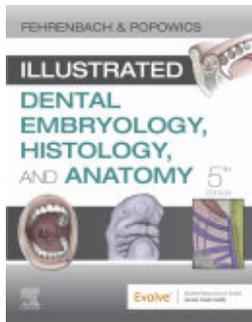
8. Describe the process of oral and facial development from the time of fertilization to the fetal stage of a human infant including developmental disturbances that can arise during the process.
9. Describe the morphological and physiologic characteristics of the following tissues located in and around the oral cavity:
 1. Epithelial Tissue
 2. Connective Tissue
 3. Connective Tissue Proper
 4. Cartilage
 5. Bone
 6. Blood
 7. Lymph
 8. Muscle Tissue
 9. Nerve Tissue
10. Describe the process of tooth development, eruption and exfoliation.
11. Describe the origin, formation, composition, components, characteristics, functions, and clinical considerations of the following tooth tissues and tissues supporting the teeth:
 1. Enamel
 2. Dentin
 3. Pulp
 4. Cementum
 5. Periodontal Ligament
 6. Alveolar Bone
 7. Oral Mucosa
 8. Salivary Glands and Tonsils
1. Explain clinical considerations relating to the tissues in the orofacial region.

Required Texts and/or Materials

Illustrated Dental Embryology, Histology, and Anatomy

9780323611084

Margaret J. Fehrenbach, Tracy Popowics



Elsevier Health Sciences
2019-11-01

Required Technology and Software

- Canvas
- Chrome, Safari, or Firefox

Technical Support

Technical support is available through the San Juan College Help Desk 24/7/365. The help desk can be reached at 505-566-3266 or by creating a ticket at [San Juan College Help Desk](#).

For password reset and Canvas support, visit the [Student Technology Guide](#) website.

Accessibility/Privacy Policies for all Technology Tools Used

[Accessibility/Privacy Policies for all Technology Tools Used](#)

Course Requirements

Students will do the following activities:

1. To be able to differentiate between the body's cells, tissues and organs with emphasis on the oral and facial area by development structure and function.
2. To be able to identify the morphological and physiological characteristics of oral tissues.
3. To be able to assess oral and facial developmental disturbances in reference to the development of the human embryo.
4. To be able to correctly estimate the developmental patterns, eruption, and exfoliation of teeth.

5. To be able to differentiate tooth tissues by origin, formation, composition, components, characteristics, and function and assess clinical considerations of tooth tissues and supporting structures.
6. To learn the course material well enough to pass exams and Boards with confidence

Healthy and Safe Practices for Being on Campus

We want a healthy and safe campus for students, faculty, staff, and guests.

Contagious diseases and your responsibility:

If you have COVID-19 symptoms, fever, flu or even the common cold, you should stay home. Do not come to campus if you are feeling sick. Contact your instructor about missing class (and review your instructor's policies on missed or late work). Being sick does not necessarily excuse you from completing your work on time.

Safety on campus and your responsibility:

If you are on campus and experience or witness an emergency, call 9-1-1 first and then the Department of Public Safety at 505-566-3333 (or just 3333 if calling from a campus phone).

When you are on campus, be aware of your surroundings. If you need an escort to your vehicle, call 505-566-4444 (DPS non-emergency line) or 505-215-3091 (officer on duty line).

The College will send information for campus emergencies through SJC AlertAware, email and the webpage. Stay informed and stay safe.

Student Support

At San Juan College, we are committed to supporting your academic success and overall well-being. We recognize that college life can be challenging and stressful, impacting both learning and personal health. We are here to help you succeed.

Academic Support and Resources

We provide a range of academic support services to help you stay on track on your educational journey. Free resources include tutoring, computer loans, life skills workshops, and so much more. Visit the [Academic Support and Resources](#) webpage to learn more about support and resources available through Academic Advising, the Tutoring Center, the Student Resource Center (formerly Student Achievement Center) and the Testing Center.

Student Support and Resources

If you or someone you know could benefit from counseling, accessibility services, career exploration, veteran transitional assistance, or any of our other support services, visit the [Student Support and Resources](#) webpage where you'll find detailed information about various resources available to you as an SJC student.

We encourage you to take advantage of these free resources to enhance your college experience and ensure your success.

Participation and Attendance Policy

Preparation: During this course it is expected that the student prepare for class. This includes reading or viewing the information prior to class. Students should be prepared to participate in active learning discussions in each class on the topic assigned for that day. If the student has adequately prepared for the class there should be little trouble passing these tests or completing course assignments.

Attendance Policy: Students are expected to attend all regularly scheduled classes for which they are registered. Valid reasons for missing classes do not relieve the student from making up any missed work. Any instruction missed and any work not subsequently completed will necessarily affect the grade of the student, regardless of the reason for the absence. Students are expected to be in the classroom, laboratory or clinic and be ready to begin the session on time.

Other Classroom Policies and Expectations

Make-Up Policy: A student will not be allowed to make up quizzes (a zero will be given for each missed quiz). If a major examination is missed, it is the student's responsibility to make arrangements with the instructor and schedule a Make-Up Examination. The Make-Up Exam will be different from the one given to the other students and may be oral, written, or a combination of both.

Assignments: Assignments that are not received on time will receive a 10% reduction in grade for every week the assignment is overdue.

Professional Policy: All students are expected to participate in an active and productive manner which enhances learning for all in the classroom and clinical settings. Students are considered mature enough to seek faculty assistance and to monitor their own progress in meeting course requirements. Professional language and demeanor are expected at all times.

Course Outcomes Inventory: The effectiveness of DHYG 115 is measured by several methods:

1. Completion of all course work with a satisfactory grade.

2. Course evaluations.
3. Analysis of clinical application of material presented.
4. Scores on National and Regional Boards are review and evaluated.

Canvas Participation and Expectations

Students are expected to monitor their own progress in Canvas and participate in all online discussion boards.

Distance Education Policy

Distance Education Policy

New technologies allow for the delivery of education in a multitude of different formats. Many of these may involve distance education in which instruction to students may be delivered while separated from the instructor, either synchronously or asynchronously. This may include technologies such as the CANVAS learning management system, use of email correspondence, and the internet and audio/video conferencing. In light of these ever changing technologies, the following are expectations of student behavior with regard to distance education;

Academic Honesty

The standards and requirements of academic honesty and integrity apply to all Dental Hygiene Students whether engaged in or utilizing distance-education or not. Any required work submitted by the student must be their own. This applies to any course within the Dental Hygiene curriculum.

Safeguards

San Juan College has ensured that safeguards are in place with regard to student login and passcode access to the CANVAS learning management system. Distance education within the Dental hygiene Program curriculum will therefore utilize this learning management system. In order to protect student privacy, students shall not share such log-in and passcode information.

Tuition & Fees

There are no additional student charges associated with the utilization of distance education within the Dental Hygiene curriculum and/or with the verification of student identity at the time of registration or enrollment.

Instructor Response Times & Regular Interaction

Expectations

Emails are responded to daily during the week, weekend emails may not be responded to until the next business day. Exams are usually graded and posted within the week. In some cases, it may take up to two weeks.

Course Time Commitment

This course will require 6-9 hours per week of reading and studying outside of class.

Grading

Final grades are calculated based on the following...

Grade Scale	
90-100%	A
80-89%	B
75-79%	C
65-74%	D
<65%	F
75% is the passing standard	
For all dental hygiene courses	
Category	Weight
Quizzes	25
Slide drawings	20
Midterm Exam	25
Final Exam	30

To

Key Dates to Remember

[Full Academic Calendar](#)

Course Schedule

Exact schedule with due dates will be determined by instructor. See Course Requirements for general information on assignment expectations.

College Policies and Resources for Current Students

The [Student Handbook](#) provides information on student support, student organizations, and student conduct policies at San Juan College.

The San Juan College catalog outlines the [Academic Policies](#) students need to know.

Inclement Weather Information

Students will receive notification of class delays and cancellations due to inclement weather via the SJC AlertAware and SJC student email. Face-to-face classes will not meet in person; however, students are advised to check with instructors about alternative meeting options, as some may choose to meet via zoom. Hybrid classes will meet as scheduled via zoom. For questions regarding your class delay or cancelation, please contact your instructor.

Program Handbook

The Dental Hygiene Student Handbook can be found on the Canvas course Important Information - The Cutting Edge

Online Course Fee

Online Courses - San Juan College requires all online courses to include some form of assessment to demonstrate the mastery of course objectives. This could include exams, capstone projects, e-portfolios, presentations, final papers or other appropriate assessments. The use of a proctoring platform, plagiarism detection software or other method to ensure that assessments are completed by the enrolled student is required.

A course fee of \$5.00 is assessed for all online courses at San Juan College to cover the cost of the above services. Students who are required to take a proctored exam and choose to use a physical testing center outside the SJC Testing Center or SJC Disability Services will be responsible for the cost of using that center.

