

# Dental Anatomy

DH1340 001

## Course Description

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This is the comprehensive presentation of structures of the oral cavity, including oral anatomy, tooth development anatomy, and occlusion.

Prereq: Accepted and enrolled in the Dental Hygiene program.

Semester: Fall

## Course Student Learning Outcomes

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- Describe how and why dentists, hygienists, and dental specialists use dental anatomy in daily clinical practice.
- Identify the structures and landmarks of the oral cavity.
- Identify each tooth in the primary and permanent human dentition according to the Universal, Palmer, and Federation Dentitaire Internationale (FDI) Numbering Systems.
- List the eruption dates of each tooth in the human dentition and the exfoliation dates of the primary dentition.
- Differentiate between primary and permanent dentition.
- Identify the anatomy of individual teeth including pits and fissures, cusps, surfaces, line angles, point angles, and discuss how the anatomy and tooth placement influence tooth function.
- Describe the four phases of occlusion and the importance of each tooth to function properly according to its angulation, shape of the crown, and contact.
- Describe the three major classifications of malocclusion and identify and describe the three major types of wear on human teeth.
- Identify permanent or deciduous, right or left, upper or lower manufactured teeth.

- List the two divisions of the pulp cavity and describe contents and the anatomical landmarks of the interior areas of the tooth.
- Identify and describe the tissues of the oral mucosa.
- Identify and discuss the gingival and dentogingival junctional tissues.
- Identify and discuss the elements and functions of the periodontium.

## Course Prerequisites

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Admission into program

## Transfer/Certification/Licensure/Employment Information

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NA

## Communication Plan

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Example language:

I will respond to email within 24 hours

I will offer feedback on major assignments within 24 hours

The best way to contact me is via the Canvas Inbox or through my Outlook email.

## Course Content Warnings/Trigger Warnings

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NA

## Keys for Success (how to succeed in the course)

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It is imperative (and required) to read the textbook and complete the homework prior to class. Schedule your studying for each course during the semester.

Sometimes it is helpful to form study groups.

## Required Text or Materials

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**Title:** Illustrated Dental Embryology, Histology, and Anatomy

**ISBN:** eBook 978-0-323-61108-4 Paperback 978-0-323-61107-7

**Authors:** Fehrenbach & Popowics

**Publisher:** Elsevier

**Edition:** 5th Edition

For more information on textbook accessibility, contact Accessibility & Disability Services at [ads@slcc.edu](mailto:ads@slcc.edu).

## Assignment Schedule

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Due Date	Assignment Name	Assignment Type	Points
8/25	<a href="#">DH 1340 Pre Test- Requires Respondus LockDown Browser</a>	Quiz	20
8/25	<a href="#">DH Handbook quiz</a>	Quiz	10
8/25	<a href="#">HW1</a>	Assignment	56
9/8	<a href="#">HW2</a>	Assignment	80
9/8	<a href="#">Quiz #1</a>	Quiz	20
9/15	<a href="#">HW3</a>	Assignment	90
9/15	<a href="#">Quiz #2</a>	Quiz	25
9/23	<a href="#">Exam #1- Requires Respondus LockDown Browser</a>	Quiz	60
9/29	<a href="#">HW4--Incisors and Canines</a>	Assignment	85
10/6	<a href="#">HW5--Premolars</a>	Assignment	90

Due Date	Assignment Name	Assignment Type	Points
10/6	<a href="#">Quiz #3--Incisors and Canines</a>	Quiz	30
10/13	<a href="#">HW6--Molars</a>	Assignment	90
10/13	<a href="#">Quiz #4--Premolars</a>	Quiz	25
10/20	<a href="#">Quiz #5--Molars</a>	Quiz	25
10/21	<a href="#">Tooth Identification Exercise</a>	Assignment	24

## Brief Description of Assignments/Exams

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### COURSE REQUIREMENTS

Homework: includes assignments to be completed each week prior to course material presentation. Students will be required to complete homework assignments in preparation for weekly lecture presentations. Homework assignments will be assigned and submitted in Canvas. Late or missing homework assignments are not allowed. Additional missing and/or late assignments are not allowed and may be subject to program expulsion.

Quiz material: open book quizzes consisting of 20-30 questions of varying format.

Please remember that assignments including homework, quiz and exam materials are proprietary and must not be photocopied, scanned, or reproduced in any way. This type of behavior will be considered cheating and will be treated as such according to the Student Manual. Late or missing assignments will be assessed a "0" grade.

Exam material: consisting of approximately 50- 100 multiple choice, short answer, and labeling questions and may include all modules covered up to Exams 1, 2, and Comprehensive Final. Exams may be administered in the Jordan Assessment Center located in the JHS building.

Group Tooth Identification Exercise: Students will participate in a group exercise to identify typodont teeth at various stations throughout the classroom. Times to complete

this exercise may be assigned to facilitate social distancing, if indicated.

**ATTENDANCE AND PARTICIPATION** Attendance is mandatory and expected at each class session. Refer to Student Manual for attendance policy. Participation is expected and may be reflected in the student's grade.

## Grading Scale

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Assignment Weight Percentages:

Homework 10%

Quizzes 20%

Exam #1 15%

Exam #2 20%

Final Exam 25%

Group Tooth ID Exercise 10%

Note: All course assignments must be completed to pass this course

### GRADING SCALE AND POLICY

A = 100 – 95 %	B = 86 – 83 %	C = 77 – 75 %	D = 66 – 64%
A- = 94 – 90 %	B- = 82 – 80 %	C- = 74 – 71%	D- = None
B+ = 89 – 87 %	C+ = 79 – 78 %	D+ = 70 – 67%	E = 63-- and below

A : For outstanding work which demonstrates exceptional mastery of course material

B : For good work which is clearly beyond simple mastery of material

C : For acceptable work indicating a mastery of the basic concepts of a course (75%)

## How to Navigate to Canvas

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## Institutional Policies

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As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

You can access the document by clicking on the following link:

<https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>

## Learning Support and Tutoring Services

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We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, please visit the Institutional Syllabus under the Tutoring and Learning Support tab:

<https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

## Advising and Counseling Support Services

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At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, please visit the Institutional Syllabus under the Advising and Counseling Support Services tab: <https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

## Student Academic Calendar

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As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)

## Additional Policies

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### EMERGENCY EVACUATION PROCEDURE

When instructed to evacuate the building, always leave immediately. The Dental Hygiene Department will meet in front of the LDS Institute (northeast corner of the building) for a head count and further instructions. As a rule, it is recommended that you evacuate the building at a distance of one and a half times the size of the building to avoid harm. Any question, please contact (801) 957-4963 [www.slcc.edu/riskmanagement/docs/2011](http://www.slcc.edu/riskmanagement/docs/2011)

**PLAGIARISM** Students are expected to reference all sources of information. Any plagiarism will result in failure of the assignment and possible failure of the course. Information must not be copied from other students work, textbooks or internet sources.

### ELECTRONIC/WIRELESS DEVICES IN CLASSROOM

The advent of technology use in the classroom as an instructional tool has caused both opportunities and distractions. The expectations for this course are that you are engaged and

present during class time, which means that you will be free from technological distractions.

Research has shown that these distractions cause individual inattentiveness and can make it difficult for others to stay focused on the immediate discussions. The following policies are in effect during our time together:

1. Cell phones, iPods, pagers, High-Resolution DVR Spy Pens with webcam and microphone

or any device (excluding ADA authorized devices) that may distract from the class should be silenced before entering the classroom and may not be on the desk during class or exams. If you have an emergency and must use your cell phone, please exit the classroom

to take the call. If you are discovered reading/sending text messages during class, you could be asked to leave the class and will be counted absent for that class session.

2. You are expected to engage in discussion for the class. You may use your computer to access your textbook, take notes, and research the discussion topic. However, some students may find it difficult to refrain from reading emails, surfing the web, and engaging in other activities not related to the class. Therefore, if you are discovered engaging in computer activities not directly related to the class, you will be asked to leave the class and

will be counted absent for that class session.

3. You may not record or publish information from the class without written authorized use

from the instructor. If used without authorization you have violated

PRIVACY/INTELLECTUAL PROPERTY RIGHTS.

PROFESSIONALISM:

Professionalism is expected and includes at a minimum the following capabilities and traits :

1. Appearance: Displays appropriate professional appearance and is appropriately groomed as defined in the SLCC Dress Code.
2. Attitudes: Is actively concerned about others. Maintains a positive outlook toward others and toward assigned tasks. Recognizes and admits mistakes. Seeks and accepts feedback to improve performance.



3. Dependability: Completes tasks promptly and well. Arrives on time and actively participates in clinical and didactic activities. Follows through and is reliable.
4. Function under stress: Maintains professional composure and exhibits good personal and clinical judgment in stressful situations. Recognizes the importance of maintaining professional behavior in the clinical setting, in spite of inappropriate action on the part of others.
5. Initiative: Independently identifies tasks to be performed and makes sure that tasks are completed satisfactorily. Performs duties promptly and efficiently. Is willing to spend additional time and to assume new responsibilities. Recognizes when help is required and when to ask for guidance.
6. Integrity: Displays honesty in all situations and interactions; is able to identify information that is confidential and maintain its confidentiality.
7. Interpersonal relationships: Provides support and is empathetic and considerate in interactions with peers, patients, faculty, and staff. Interacts effectively with "difficult individuals." Demonstrates respect for and complements the roles of other professionals. Is cooperative and earns respect.
8. Tolerance: Demonstrates ability to accept people and situations. Acknowledges his/her biases and does not allow them to affect patient care or contribute to inappropriate interactions with others.