

Periodontology

DH2450 001

Course Description

Anatomy/physiology, histopathology, microbiology specific to dental disease, etiology, and clinical features of gingival/periodontal infections are taught.

Emphasis is placed on recognition and treatment planning for periodontal clients.

Course Student Learning Outcomes

- Distinguish the different anatomical structures and clinical characteristics of the tissues of the periodontium.
- Distinguish the differences of the host, inflammation and immune response as it relates to periodontal disease.
- Analyze all aspects of calculus and biofilm formation and its effects on the periodontium.
- Formulate a diagnosis for the stages of gingival/periodontal diseases and treatment plan within the scope of practice. Evaluate the risk factors of systemic disease and treat patients accordingly.
- Design proper treatment modalities as they relate to associated factors of periodontal disease.
- Interpret dental radiographs for the presence or absence of disease and its severity.
- Explain rationale for periodontal maintenance and prevention.
- Determine appropriate prognosis for teeth with periodontal disease.
- Identify appropriate usage of systemic antibiotics, antimicrobials and chemotherapeutic agents in the treatment of periodontal disease.
- Compare the different types of lasers used in dentistry today and potential benefits and contraindications to all.

- Compare and contrast the differences between resectional, regenerative and reconstructive periodontal procedures.
- Evaluate the risk factors of systemic disease as it relates to periodontal disease.

Course Prerequisites

DH1400

Course Content Warnings/Trigger Warnings

None

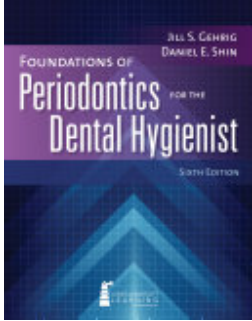
Communication Plan

- I will respond to email within a day, but you can text me and it may be sooner. I will offer feedback on major assignments within a week. The best way to contact me is via text, as I will prioritize this over other modes of communication.
- Additionally, I will be monitoring the discussion forums. I want you to help each other learn, but will pop in if needed.

Keys for Success (how to succeed in the course)

To succeed in this class, active engagement is crucial. Start by preparing thoroughly before each session; read the assigned chapters and take the quizzes to solidify your understanding. During class, maintain focus by avoiding multitasking and actively participating in discussions. Take notes diligently and ask questions to clarify any uncertainties. After class, review your notes and textbook to reinforce the material discussed. Ensure you grasp the concepts by seeking clarification from the instructor or peers if needed. By consistently following these steps, you'll build a strong foundation in periodontology and maximize your learning outcomes.

Required Text or Materials



Title: Foundations of Periodontics for the Dental Hygienist with Navigate Advantage Access

ISBN: 9781284291544

Authors: Jill S. Gehrig, Daniel E. Shin

Publisher: Jones & Bartlett Learning

Publication Date: 2023-07-27

Edition: 6th

For more information on textbook accessibility, contact Accessibility & Disability Services at ads@slcc.edu.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Introduce Yourself	Discussion	0
	Roll Call Attendance	Assignment	100
8/21	Introductory Quiz, Quiz #1	Quiz	2
8/26	Muddiest Point Week #1	Discussion	12
8/28	Quiz 2	Quiz	20
9/2	Muddiest Point Week #2	Discussion	12
9/5	OSL Report-topic	Assignment	10
9/8	Quiz 3	Quiz	20
9/9	Muddiest Point Week #3	Discussion	12
9/11	Quiz 4	Quiz	20

Due Date	Assignment Name	Assignment Type	Points
9/12	Approved Research Articles	Assignment	10
9/16	Muddiest Point Week #4	Discussion	12
9/19	Quiz 5	Quiz	20
9/21	Patient Disease Status Narrative	Discussion	50
9/23	Muddiest Point Week #5	Discussion	12
9/26	Draft - Introduction Section; Discussion of Periodontitis and systemic disease	Assignment	10
9/26	Quiz 6	Quiz	20
9/30	Muddiest Point Week #6	Discussion	12
10/3	Lecture Outlines- Midterm	Assignment	50
10/3	Periodontology Mid-term	Quiz	102
10/10	Quiz 7 - Week 8	Quiz	20
10/14	Module Reflections Week #8	Discussion	12
10/15	Extra Credit - Questions for Dr. Skene	Assignment	3
10/24	Quiz 8 - Week 10	Quiz	20

Due Date	Assignment Name	Assignment Type	Points
10/28	Module Reflections Week #10	Discussion	12
10/31	Draft - Part TWO Review of the Scientific Research	Assignment	10
10/31	Quiz 9 - Week 11	Quiz	18
11/4	Module Reflections Week #11	Discussion	12
11/7	Quiz 10 - Week 12	Quiz	20
11/11	Module Reflections Week #12	Discussion	12
11/14	Draft - Conclusion & Reference Page	Assignment	10
11/14	Quiz 11 - Week 13	Quiz	20
11/18	Module Reflection Week #13	Discussion	13
11/21	Quiz 12 - Week 14	Quiz	20
12/5	Oral Systemic Link Report	Assignment	100
12/9	Module Reflections Week #14 (Final Exam Question post)	Discussion	12
12/9	Lecture Outlines-Final	Assignment	50

Brief Description of Assignments/Exams

There are two large assignments in this class.

1. The **Oral Systemic Link report** assignment explores the association between periodontitis and either diabetes or heart disease, aiming to enhance understanding of how oral health impacts systemic conditions. This assignment requires a three to four-page narrative text, excluding figures and references, written in a professional style using 12 pt, Times New Roman font, with one-inch margins and double-spacing throughout. The paper should be structured into two parts: Part One introduces periodontitis, defining it as a chronic inflammatory condition, and provides an overview of either cardiovascular disease or diabetes, highlighting their impact on global health. Part Two focuses on the link between periodontitis and the chosen systemic condition, discussing evidence from epidemiological studies, potential mechanisms, and the bidirectional nature of the relationship. The report should also explore clinical implications, emphasizing the importance of collaboration between dental and medical professionals, and discuss preventive strategies for mitigating risks. A minimum of five scholarly sources must be cited in APA style, 7th edition, and the paper should be uploaded to Canvas as a Word document. A title page and clear headings with subheadings should be used for clarity. The conclusion should summarize key points and suggest future research directions. This assignment is designed to deepen students' knowledge, ensuring they can effectively communicate the significance of oral health in relation to systemic well-being and contribute to better patient care.

2. **Team Active Learning Assignment.** The objective of this activity is to reinforce understanding of the concepts in the module through active learning and creativity. You will be assigned a partner and a module. I will also assign you the part of the module I would like you to focus on for your presentation. I am here to help and if you need to purchase any materials, I can help with that. (But keep it very low budget) I can make copies if needed also!

Be creative! What would help you learn the material? A worksheet? An art project? Play-doh? We will plan on about 20 minutes to do your activity.

Grading Scale

ASSIGNMENTS

A minimum passing score of 75% is required on all assignments. Students who score below 75% on any assignment or exam will be required to meet with the instructor and

will be placed on academic probation. Failure to pass more than one assignment or exam may lead to course failure and possible dismissal from the Dental Hygiene program.

QUIZZES

Quizzes will be given each week and completed in Canvas. Quizzes are open-book and will be 20 questions consisting of multiple choice, matching and true /false. Late quizzes will not be accepted. The lowest quiz score will be dropped.

EXAMS

All exams must be completed at the Jordan Testing Center on the designated dates. Please note that retakes are not permitted. Each exam will consist of 100 questions, including multiple choice, matching, and true/false formats.

AI Use

The use of generative AI tools (e.g. ChatGPT, Dall-e, etc.) is **permitted** in this course for the following activities:

- 1. Brainstorming and refining your ideas;**
- 2. Fine tuning your research questions;**
- 3. Finding information on your topic;**
- 3. Drafting an outline to organize your thoughts; and**
- 4. Checking grammar and style.**

The use of generative AI tools is **not permitted** in this course for the following activities:

- 1. Impersonating you in classroom contexts, such as by using the tool to compose discussion board prompts assigned to you or content that you put into a Zoom chat.**

2. Completing group work that your group has assigned to you, unless it is mutually agreed upon that you may utilize the tool. 3. Writing a draft of a writing assignment.

4. Writing entire sentences, paragraphs or papers to complete class assignments.

“Generative artificial intelligence (AI) software is a rapidly emerging tool that students may be interested in using. If doing so, SLCC students are expected to adhere to the same standards as the Code of Student Rights and Responsibilities statement on plagiarism. Presenting generative AI software content as your own is a violation of academic integrity. If you use generative AI in your work, you must indicate that you have done so.”

ChatGPT and other similar technologies are advancing rapidly and there are many instances where they will be key tools in your schoolwork and career. Any and all use of machines that emulate human capabilities (ChatGPT, Stable Diffusion, DALLE, etc.) to perform assignments or other works in the course should be disclosed (this includes all graded deliverables as well as other course works and activities). **In addition, an explanatory appendix is required for each and every unique usage to describe in clear steps how such a machine was used, including which machine, iteration, editing, etc.**

How to Navigate to Canvas

Institutional Policies

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>

Transfer/Certification/Licensure/Employment Information

None

Learning Support and Tutoring Services

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

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

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](#)