

DHYG 4830 - Dental Materials

Fall 2026 Syllabus, Section 01, CRN 41220,

Credit hours: 1

Instructor

Dana Jordan

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Public Instructor Information

Instructor Title: Lecturer

Instructor Professional Qualifications:

Master of Health and Human Services, Youngstown State University, 2024

Bachelor of Science in Dental Hygiene, Youngstown State University, 2015

Instructor Office Location: Cushwa Hall, Room 1140

Instructor Office Phone: 330-941-1765

Course Description

4830. Dental Materials. The sources, physical properties, methods of manufacturing, and uses of various dental materials. Emphasis on the newest products, and interpretation of research supporting product effectiveness. Prereq.: DHYG 3704L. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Clinical Aspects of Dental Materials, 5th edition, 2018	Gladwin, M., Bagby, M.	
Optional	Wilkins' Clinical Practice of the Dental Hygienist, 13th ed, 2020	Boyd, L., Mallonee, L., & Wyche, C.	

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Thu	8/27	Chapter 1	Guest Speaker- Alli Hall, Sodium Dental	
Thu	9/3	Chapters 8, 21, 22, 27, 29, 30	Impression Materials	
Thu	9/10	Chapters 9, 28	Gypsum Materials	
Thu	9/17	Chapters 2, 3	Science and Properties	
Thu	9/24	Chapter 4	Adhesive Materials	QUIZ 1
Thu	10/1	Chapters 5, 24, 25, 36	Direct Polymeric Restorative Materials	
Thu	10/8	Chapters 6, 26	Amalgam Review for Midterm	
Thu	10/15			MID TERM
Thu	10/22	Chapters 7, 23	Dental Cements	Last day to withdraw with a grade of "W" 10/25/26
Thu	10/29			NEW PRODUCT SEARCH DUE (Presentations)
Thu	11/5	Chapters 10, 11, 35	Fixed and Removable Prosthesis	
Thu	11/12	Chapters 12, 13, 32, 33, 34	Implants/ Specialty Materials	

Thu	11/19	Chapters 14, 15, 16, 17, 31, 36	Radiographic & Clinical Detection Polishing Materials/ Whitening	QUIZ 2
Thu	11/26	No Class		
Thu	12/3	Chapter 18	Oral Appliances Review for Final	
Thu	12/10			FINAL EXAMINATION

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.