

DHYG 4830L - Dental Materials Lab

Fall 2026 Syllabus, Section 03, CRN 41223,

Credit hours: 1

Instructor

Gary Hubbard

Email: gthubbard@ysu.edu

Karen Dye

Email: kadye@student.ysu.edu

Dana Jordan

Email: dnpowell@ysu.edu

Public Instructor Information

Dana Jordan

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

Karen Dye

Instructor Title: Part-time Faculty

Instructor Professional Qualifications:

Bachelor of Science in Applied Science, Youngstown State University, 1991

Associate of Applied Science, Dental Hygiene, Youngstown State University, 1980

Instructor Office Location: Cushwa Hall, Room 1124

Gary Hubbard

Instructor Title: Part-time Faculty

Instructor Professional Qualifications:

General Dentistry Residency, Youngstown Hospital Association, 1980

Doctor of Dental Surgery, Case Western Reserve University, 1979

Bachelor of Science, Ashland University, 1974

Instructor Office Location: Cushwa Hall, Room 1124

Course Description

4830L. Dental Materials Lab. Clinical application of selected dental materials and four-handed dentistry enhancing the students' understanding of dental procedures. Technical procedures and delegated responsibilities will be completed on manikins, and student partners. Three hours of lab per week. 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 edition, 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		Guest Speaker- Alli Hall with Sodium Dental (digital scanner demo) Introduction to Dental Materials	
Thu	9/3	Chapter 27	Safety Measures Alginate Impressions	
Thu	9/10	Chapter 28	Alginate Impressions (continued) Pouring/ Trimming Models	
Thu	9/17	Chapter 28	Alginate Impressions (continued) Pouring/ Trimming Models (continued)	
Thu	9/24	Chapter 28	Alginate Impressions (as needed) Model Construction	QUIZ 1
Thu	10/1	Chapter 31	Model Construction (continued) Bleaching Trays	
Thu	10/8	Chapters 33, 34	Periodontal Dressing Suture Removal Oral Irrigation	
Thu	10/15		Desensitizer Isolation Techniques	
Thu	10/22	Chapter 23	Mixing Cements	Last day to withdraw with a grade of "W"
Thu	10/29			New Product Search Presentations
Thu	11/5	Chapter 25	Dental Sealants	
Thu	11/12	Chapter 23	Hand Pieces Four-handed Dentistry	
Thu	11/19	Chapter 3	Shade Selection	QUIZ 2 All evaluations must be completed
Thu	11/26	No Class		
Thu	12/3			Final Review
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.