

**COURSE SYLLABUS (FALL 2022)**

v. 6/14/2022

- COURSE:** DENTAL MATERIALS (lecture and lab)  
DNHY 3013 (3 credit hours = 2 hrs. lecture + 2 hrs. lab/wk)
- DAY/TIME:** Tuesday 1:00 – 5:00 p.m.
- LOCATION:** Centennial Hall, Room 103  
Mini Dental Materials Lab, Room 143  
Other locations as scheduled
- INSTRUCTOR:** Ray H. Hyde, DDS, FICOI, FAGD Associate Professor
- Office:** Centennial Hall Room 128  
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**Office Hours:** Mon, Wed & Thurs 1-5:00PM  
Friday 8-Noon  
(Or by appointment)

**Course Description:** As published in the most current MSU Catalog (2021-2022)

Study of the materials used in restorative dentistry and in various other specialty areas of dentistry to fabricate dental appliances and tooth restorations. This course includes lecture and laboratory components designed to help students develop an understanding of the composition, properties, structure, and manipulative variables of dental materials historically used in dentistry, as well as the most current materials available. Emphasis is placed on practical, clinical applications of materials; the dental hygienist's role in educating patients regarding these materials; and the techniques for placement of the materials in the oral cavity.

**Methods of Instruction:** This course includes lectures, group discussion, and hands on clinical instruction and participation.

**Course Purpose:**

The area of dental materials is continually evolving as researchers and manufacturers improve existing materials and develop new materials. As important members of the oral health team, dental hygienists must have a working knowledge of dental materials and possess the skills to properly utilize many of these products. Dental hygienists are instrumental in educating patients

about treatment care options as well as providing education on home care and prevention of disease and destruction. Many dental materials may be directly placed by the dental hygienist. The purpose of this course is to establish a solid foundation for the lifetime learning of dental materials by the dental hygienist.

**REQUIRED TEXTS:** Dental Materials: Clinical Applications for Dental Assistants and Dental ;  
3<sup>rd</sup> Edition by Hatrick, Eakle & Bird

Wilkins' Clinical Practice of the Dental Hygienist; 13<sup>th</sup> edition by Boyd,  
Mallonee & Wyche

### **Course Objectives:**

Upon completion of the dental materials curriculum, the student will be able to:

1. Applies principles of professional and ethical behavior when providing all dental hygiene services.
2. Educate the patient about dental procedures involving dental materials and the proper maintenance of restorations and prostheses.
3. Provide a variety of high- quality therapeutic and preventive services involving selection and manipulation of appropriate dental materials within the dental hygiene scope of practice.
4. Make appropriate clinical judgements in the selection and use of dental materials and their subsequent reaction in the oral environment
5. Educate patients on the materials selected and any subsequent changes needed in oral hygiene to maintain optimal oral health.
6. Effectively collaborate inter-professionally within the scope of dental hygiene practice involving the selection and manipulation of dental materials

### **Learning Objectives:**

Learning objectives related to textbook chapters and topics will be given for each class session.

### **Course Evaluation:**

One grade will be given for this course. It will be based on three examinations, satisfactory completion of all laboratory exercises, and weekly homework/quizzes. Requirements will be weighted as follows:

Lab projects & discussions	20%
Weekly homework/quizzes	20%
Exam #1	20%
Exam #2	20%
Exam #3 (Comprehensive)	20%

## **Course Grading Scale:**

100-92	A
91-83	B
82-75	C
74-65	D

Student must achieve a minimum of a “C” grade to successfully complete the course in accordance with program policies. A course grade will not be released until all checked out items are returned in good condition.

## **Lab Grading:**

Laboratory grading will be based on proficiency achieved through application and manipulation of dental materials. Case based discussions will also be assigned and graded.

## **Weekly Quizzes:**

At the beginning of each lecture session there will be a short quiz pertaining to the reading assignment. The quizzes will be multiple choice and fill in the blank questions. The quiz should only take 5-10 minutes to complete. Please make every effort to arrive on time, you will not be allowed extra time to complete the quiz if you are late for class. Weekly quizzes are worth 20% of your final grade.

## **Attendance:**

**More than two (2) absences for any reason will result in a loss of 5 points from the final course grade for EACH absence over the allowed 2.** This includes the lecture and scheduled clinical sessions. In cases of extreme illness and/or hospitalization, individual decisions may be made. **Two (2) tardies will be the equivalent of one (1) absence. Students must be present for the entire class period to get credit for a class session. Students leaving class early will be counted as absent.**

## **Phone Use:**

Cell phone use (texting or verbal) is extremely disruptive to your fellow classmates and to the faculty teaching your course. Therefore, the use of cell phones will not be tolerated, FOR ANY REASON. If you utilize your cell phone it will be confiscated for the remainder of the scheduled day. Repeat offenders will be asked to leave the classroom and will be required to meet with the faculty and the chair of the Dental Hygiene Department. In cases of emergencies, please notify spouses, family and friends to contact you via the program secretary at 397-4764.

**Water bottles, cell phones, hand-held calculators/computers are not allowed in the room during any examination. Possession of any of these items during an exam will be construed as academic dishonesty and will be dealt with accordingly.**

## **The Americans with Disabilities Act:**

Midwestern State University does not discriminate on the basis of an individual's disability and complies with Section 504 and the Americans with Disabilities Act in its admission, accessibility, and employment of individuals in programs and activities. MSU provides academic accommodations and auxiliary aids to individuals with disabilities, as defined by law, who are otherwise qualified to meet academic employment requirements. For assistance call (940) 397-4618 or (940) 397-4515. It is the student's responsibility to declare any disabilities. After declaration, preferably at the beginning of each semester, the student needs to contact individual instructors to determine any reasonable accommodations that may be required.

## **MSU COHSHS Student Conduct Appeals Committee**

All Midwestern State University (MSU) students may legitimately appeal a course grade if 1) the student has not been evaluated according to the same criteria as his or her classmates, or 2) an error has been made in grading and/or posting (MSU Student Handbook, p. 37.) In addition, the Office of the Dean of Students has the responsibility to enforce standards of conduct for students as outlined in the MSU Student Handbook (p. 70-80).

When enrolled in the College of Health Sciences and Human Services (COHSHS), students are often assigned to community agencies, such as health care facilities, social service agencies, or athletic environments, as part of their academic process. During these experiences, the student is expected to behave in a manner required of professionals working in this environment. COHSHS students may also be required to successfully complete a licensing/certification process following graduation. As a result, students in these programs are often held to a different academic and/or behavioral standard than students in other MSU programs. For example, students may not be allowed to progress in a program if they have been unsuccessful (D or F) in a certain number of courses in the major. In these circumstances, COHSHS faculty and administration, all of whom have had similar professional experience, may make decisions which negatively impact students' programmatic progress.

COHSHS students have a right to a review of decisions made by the program faculty, which prevent individuals from progressing in their program in a timely manner. However, those who participate in the review must understand the context of the professions involved. Therefore, **issues concerning the professional conduct of students in the COHSHS will NOT be brought to the University Grade Committee, but to the COHSHS Student Conduct Appeals Committee.** Specifically, the COHSHS Student Conduct Appeals Committee will review faculty decisions related to:

- Student conduct in a clinical experience, internship, or other work-related environment that negatively impacts the student's academic progress. This conduct may include behavior which is prohibited by licensing and/or professional standards or departmental policy.
- Student removal from a program because of a) professional conduct issues or b) failure to maintain academic standards required specifically by the program\*

**SEE COHSHS WEB SITE FOR A COMPLETE COPY OF THIS POLICY**

**COVID-19 Policies:**

Students must follow MSU and Clinical site protocols related to COVID-19.

**Students who test positive for the COVID-19 virus MUST provide TWO negative tests in order to return to class and clinicals. MSU is following the CDC guidelines recommending the two test criteria for health care workers to return to work. Wichita County Public Health requires the two test criteria if you work closely with other people, two negative tests 24 hours apart to be released from isolation.**