



Syllabus

Course Number/Title: DH 105 Dental Materials

Department: Dental Hygiene

Required Text: Dental Materials Properties & Manipulation.
Dental Materials Course Manual

Instructor: Sheri Martin

Office Hours: Posted

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Year: Fall 2012

Credit Hours: 2

Days/Time: Thursday 1-3

Room: Allied Health 810

Phone #: 460-5414

Prerequisite: DH 123 and DH 298

Course Placement: Sophomore

Corequisite: DH 298

Supplies required for course:

Laboratory Coat

Protective Glasses with Solid Side Shields

RATIONALE

This course is designed to satisfy the Dental Hygiene curriculum at North Central Technical College at Wausau, Wisconsin.

COURSE DESCRIPTION

Prepares dental auxiliary students to handle and prepare dental materials such as liners, bases, cements, amalgam, resin restorative materials, gypsum products, and impression materials. They also learn to take alginate impressions and clean removable appliances.

COURSE OUTLINE

Rubber molds (max & mand) (6 pts)
Alginate Impression process (31 pts)
Alginate Impression product (max & mand) (22 pts)
Study model pour product (max & mand) (10 pts)
Study model trim product (17 pts)
Mouth protector (10 pts)
Affectives earned (14 pts)
Gypsum manipulation (must be completed)
Esthetic materials (must be completed)
Amalgam filling (must be completed)
Cements (must be completed)
Waxes (must be completed)

Impression materials (must be completed)

COURSE LEARNING OBJECTIVES

- Communicate clearly
- Act responsibly
- Work productively
- Work cooperatively
- Value self positively
- Think critically and creatively
- Develop global awareness
- Apply mathematics effectively
- Apply scientific concepts effectively
- Apply technology appropriately

COURSE COMPETENCIES

1. Demonstrate safety procedures.
2. Demonstrate appropriate infection control protocol.
3. Explore the general physical and chemical properties and characteristics of direct and indirect materials used in dentistry and their relationships to the oral environment.
4. Demonstrate manipulation techniques of dental materials.
5. Produce a custom mouth protector.
6. Demonstrate amalgam polishing.
7. Explore dental implants and prosthodontic appliances.
8. Examine endodontic procedures.
9. Write reports on dental materials.
10. Demonstrate care of removable and fixed dental appliances.
11. Demonstrate professionalism.

METHOD OF INSTRUCTION

Instructional material will progress from single to complex. Theory will be learned in lecture and concepts will be applied in laboratory. Material is to be reviewed prior to class for application and discussion. Lecture portion of this course is fully on-line from NTC.

METHOD OF EVALUATION

Final Grade Determination for this Course

Lab and lecture instructors will collaborate to ensure all scores achieved are figured into the final grade. If you “test out” of Dental Materials Lab, your final grade will be from the lecture portion only from the possible lecture points earned. **THIS COURSE, LIKE ALL OTHER DENTAL HYGIENE COURSES, MUST GENERATE A FINAL GRADE OF “C” FOR BETTER TO PROGRESS IN THE DENTAL HYGIENE PROGRAM.**

Grading Scale

A	100-95
A-	94-92
B+	91-90
B	89-87
B-	86-84
C+	83-80
C	79-75
D	74-70
F	69 or below

COURSE REQUIREMENTSLab Activities

- Alginate process (classmate)
- Alginate product (classmate)
- Study model pour (plaster/stone)
- Study model pour product
- Study model office trim (stone)
- Rubber molds/typodont pour
- Mouth protector fabrication
- Affectives earned

Lab Exercises

- Gypsum manipulation
- Esthetic materials
- Amalgam filling
- Cements
- Waxes
- Impression materials

Comments on lab requirements

- a. All lab and clinic projects must be completed satisfactorily.
- b. Clinical lab duties will be considered as part of the lab projects grade and must be completed satisfactorily when assigned.

ASSIGNMENT POLICY

You may not work in lab unless there is dental hygiene faculty or staff in the area who knows of your presence.

Proper infection control should be followed at all times.

No lab work is to be completed for an outside patient. Lab prescriptions are written by a licensed dentist and work is completed by licensed lab technicians. Students are

not licensed lab technicians. You will be dismissed from the program for unethical practice should you choose not to abide by this policy.

TEST POLICY

1. Quizzes will be given periodically. The quizzes will cover the lecture, lab, and reading material for the unit(s). Keys will be made available after the quiz for you to view so you will have an idea of your grade. After correcting, the grades will be posted at all the sites. Grades will be posted for all sites at the same time.
 - a. There will be NO retakes for quizzes.
 - b. Quizzes will be given at the beginning of lecture.
2. Midterm test—50 points; no retakes
3. Final exam—50 points; the final exam will be comprehensive; i.e., it will cover material from the entire course. THERE ARE NO RETAKES ON THE FINAL EXAM. The final exam must be taken during the times indicated. Any variation of this policy will result in a zero for the exam.
4. Absences

Attendance is required during all lectures. This includes being on time. If you are unable to attend class, notify me in advance (if possible) that you will be absent. All missed material is your responsibility.
5. The dental laboratory and office visits papers will count for 25 points. Office visit is due February 24. Lab visit is due on or before April 13. The student will be responsible for setting up and completing these assignments on their own. Office visits must occur during the current semester. Wear appropriate attire such as casual pants and sweaters; no blue jeans and tennis shoes. Present yourself as a professional future employee.
6. All the lectures for this course are videotaped and will be made available in the event of a technical difficulty only.
7. Cheating of any kind will NOT be tolerated in this course and will result in an automatic F. This includes work in the classroom, lab, and any outside activities required to complete this course.
8. Final grade determination
 - a. The lecture and laboratory components of this course will be combined for the final grade. This grade will be determined according to the stated grading criteria in the course manual.
 - b. Only the lecture portion will be considered for the final grade for those who test out of lab.

- c. Lecture and lab instructors will collaborate to ensure all scores achieved are figured into the final grade.
- 9. The instructor will be available to all students for questions or meeting with students as announced in our first class session. Mrs. Turner can call you right after the lecture if you wish or she can be reached at NTC, 715-675-3331 or 1-888-NTC-7144, Ext. 4484. You can leave a message on her voice mail if she is not on campus and she will return your call when she can. You could also fax the school or leave a message with Shauna at Ext. 4493. E-mail address is kaufman@ntc.edu; fax number is 715-675-3772.
- 10. Incomplete policy
 - 1. Indicates course work was incomplete.
 - 2. Appropriate only for a student who has earned a 75% or above or could earn a 75% or above with completion of requirements. Not appropriate for a failing or “D” level student.
 - 3. Can be granted by instructor for illness, injury, or other reasons beyond the control of the student.
 - 4. Incomplete work must be made up in student’s free time.
 - 5. Must be completed by deadline determined by the lead instructor (a maximum of four weeks into the next semester), or the incomplete will automatically turn into an F.

ATTENDANCE POLICY

Attendance is required at all laboratory and lecture sections. This includes being on time.

See other expectations for attendance in your course materials.

Laboratory Attire Policy

Lab attire consisting of a colored or white personal lab coat over street clothes is acceptable.

Academic Integrity

Colby Community College defines academic integrity as learning that leads to the development of knowledge and/or skills without any form of cheating or plagiarism. This learning requires respect for Colby’s institutional values of quality, service and integrity. All Colby Community College students, faculty, staff, and administrators are responsible for upholding academic integrity.

Cheating is giving, receiving, or using unauthorized help on individual and group academic exercises such as papers, quizzes, tests, and presentations through any delivery system in any learning environment. This includes impersonating another student, sharing content without authorization, fabricating data, and altering academic documents, including records, with or without the use of personal and college electronic devices.

Plagiarism is representing or turning in someone else's work without proper citation of the source. This includes unacknowledged paraphrase, quotation, or complete use of someone else's work in any form. It also includes citing work that is not used and taking credit for a group project without contributing to it. The following procedure will be used for students who violate the policy:

- First Offense – Student will receive a zero for the assignment and the student will be reported to the Dean of Academic Affairs.
- Second Offense – The student will be reported to the Dean of Academic Affairs and removed from the class.
- Third Offense – The student will be reported to the Dean of Academic Affairs and dismissed from the college.

Any questions about this policy may be referred to the Dean of Academic Affairs.

ASSESSMENT

Colby Community College assesses student learning at several levels: general education, program, and course. The goal of these assessment activities is to improve student learning. As a student in this course, you will participate in various assessment activities. An example of your work, a paper, some test questions, a presentation, or other work may be selected for assessment. This process will not affect your grade, will not require you do additional work and your evaluation will be confidentially handled. Results of these activities will be used to improve teaching and learning at Colby Community College.

SYLLABUS INFORMATION DISCLAIMER

I reserve the right to change any information contained in this document, when necessary, with adequate notice given to the student. Notice shall be given in the classroom during class. No other notice is required. It is the students' responsibility to stay current with any changes, modifications, adjustments or amendments that are made to this document.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

According to the Americans with Disabilities Act, it is the responsibility of each student with a disability to notify the college of his/her disability and to request accommodation. If a member of the class has a documented learning disability or a physical disability and needs special accommodations, he/she should contact Student Support Services, which is located in the Student Union.

EQUIPMENT

Model trimmers and a vacuum machine are used for various lab requirements. These are pieces of equipment they will be using in private practice.

BIBLIOGRAPHY

1. Wilkins, E.M., *Clinical Practice of the Dental Hygienist*, 10th ed., Lea and Walvern, Philadelphia, 2009.
2. NTC Department of Dental Hygiene, *Dental Materials 1 and 2 for Dental Assistants Course Outline*.
3. Gladwin, Bagby, *Clinical Aspects of Dental Materials*, Lippincott, Williams & Wilkins, 2010.