

BERGEN COMMUNITY COLLEGE
DIVISION OF HEALTH PROFESSIONS
DENTAL HYGIENE DEPARTMENT

STUDENT COURSE OUTLINE

COURSE/TITLE DHY-204 – Dental Materials
Hybrid Course
1 Lecture, 3 Laboratories, 2 Credits

INSTRUCTOR

TERM

OFFICE HOURS

OFFICE **LECTURE** HP- 325

OFFICE PHONE

E- MAIL

WEB-MAIL Moodlerooms

PREREQUISITES BIO-209, DHY-108, DHY-109, DHY-201,
DHY-209, and CHM-112

COURSE HOURS Monday 8:30AM- 11:50PM – HP- 125 (Lab-001)
Monday 01:00PM- 4:20PM – HP- 125 (Lab- 002)
Tuesday 12:25AM- 3:45PM – HP- 125 (Lab-003)
Thursday 10:30AM-11:20AM - Lecture (001)
 11:30AM-12:20PM - Lecture (002, 003)

COURSE DESCRIPTION

Dental Materials is a comprehensive study of the science, technology and application of dental materials incorporating reality based dental environment treatment modality scenarios to enhance and compliment both classroom and clinical setting course content. Particular emphasis is placed on various dental materials and their specific uses, along with related fundamental and specialty clinical dental hygiene skills. Specific dental materials are stressed and utilized throughout the: didactic, laboratory and clinical components of the course.

COURSE OBJECTIVES

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

1. Define and explain the basic physical, chemical and mechanical properties of dental materials most commonly used in the dental office.
2. Manipulate all given dental materials within the dental hygienist's scope of practice.
3. Provide fundamental and expanded clinical dental hygiene services involving the selection, manipulation and care of specific dental materials.
4. Accurately assess the effects of specific materials on the oral environment and determine the effectiveness of such materials in the prevention and treatment of oral disease.
5. Demonstrate current acceptable aseptic technique in the clinical and laboratory settings.

CORE COMPETENCIES ©

- C.1 Apply a professional code of ethics in all endeavors.
- C.2 Adhere to state and federal laws, recommendations, and regulations in the provision of dental hygiene care.
- C.3 Use critical thinking skills and comprehensive problem- solving to identify oral health care strategies that promote patient health and wellness.
- C.4 Use evidence-based decision making to evaluate emerging technology and treatment modalities to integrate into patient dental hygiene care plans to achieve high- quality, cost- effective care.
- C.5 Assume responsibility for dental hygiene actions and care based on accepted scientific theories and research as well as the accepted standard of care.
- C.6 Continuously perform self-assessment for life-long learning and professional growth.
- C.7 Integrate accepted scientific theories and research into educational, preventative, and therapeutic oral health services.
- C.8 Promote the values of the dental hygiene profession through service-based activities, positive community affiliations, and active involvement in local organizations.
- C.9 Apply quality assurance mechanisms to ensure continuous commitment to accepted standards of care.
- C.10 Communicate effectively with diverse individuals and groups, serving all persons without discrimination by acknowledging and appreciating diversity.

- C.11 record accurate, consistent, and complete documentation of oral health services provided.
- C.12 Initiate a collaborative approach with all patients when developing individualized care plans that are specialized, comprehensive, culturally sensitive, and acceptable to all parties involved in care planning.
- C.13 Initiate consultations and collaborations with all relevant health care providers to facilitate optimal treatments.
- C.14 Manage medical emergencies by using professional judgment, providing life support, and utilizing required CPR and any specialized training and knowledge.

Health Promotion and Disease Prevention (HP)

- HP.1 Promote positive values of overall health and wellness to the public and organizations within and outside the profession.
- HP.2 Respect the goals, values, beliefs, and preferences of all patients.
- HP.3 Refer patients/clients who may have a physiological, psychological, and/or social problems for comprehensive evaluation.
- HP.4 Identify individual and population risk factors and develop strategies that promote health related quality of life.
- HP.5 Evaluate factors that can be used to promote patient adherence to disease prevention and/or health maintenance strategies.
- HP. 6 Utilize methods that ensure the health and safety of the patient and the oral health professional in the delivery of care.

Community Involvement (CM)

- CM.1 Assess the oral health needs and services of the community to determine action plans and availability of resources to meet the health care needs..
- CM.2 Provide screening, referral, and educational services that allow patients to access the resources of the health care system.
- CM.7 Advocate for effective oral health care for underserved populations.

Patient/Client Care (PC)

Assessment

- PC.1 Systematically collect analyze, and record diagnostic data on the general, oral, and psychosocial health status of a variety of patients/clients using methods consistent with medico-legal principles.

Diagnosis

PC.5 Use patient assessment data, diagnostic technologies, and critical decision making skills to determine a dental hygiene diagnosis.

Planning

PC.6 Utilize reflective judgment in developing a comprehensive patient dental hygiene care plan.

PC.7 Collaborate with the patient and other health professionals as indicated to formulate a comprehensive dental hygiene care plan that is patient-centered and based on the best scientific evidence and professional judgment.

Implementation

PC.10 Provide specialized treatment that includes educational, preventative, and therapeutic services designed to achieve and maintain oral health. partner with the patient in achieving oral health goals.

Evaluation

PC.11 Evaluate the effectiveness of the provided services, and modify care plan as needed.

PC.13 Compare actual outcomes to expected outcomes, reevaluating goals, diagnoses, and services when expected outcomes are not achieved.

REQUIRED TEXTBOOKS & READING ASSIGNMENTS

Gladwin, M., Marcia, G., Bagby, Michael. Clinical Aspects of Dental Materials. 4th edition. Philadelphia, Pa. Lippincott Williams & Wilkins 2013. (Abbreviated as "G").
NOTE: 5th Edition is available in October 2017. ISBN#: 9871496360083.

Wilkins, E.M., Clinical Practice of the Dental Hygienist, Lippincott Williams & Wilkins 12th edition, 2017, Philadelphia (Abbreviated as "W")

OPTIONAL NON-REQUIRED TEXTBOOKS

Hatrick, C., Eakle, W., Bird, W. Dental Materials Clinical Applications for Dental Assistants and Dental Hygienists. 3rd edition. St. Louis, MO. Saunders. 2016. (Abbreviated as "H" in reading assignments)*Library Reference/Resource Only

Daniel, S.J. and Harfst, S. A., and Wilder, R. S., Dental Hygiene Concepts, Cases, and Competencies. 2nd edition, Mosby, 2008, St. Louis, MO. (Abbreviated as "D" in reading assignments)

Darby, M., Walsh, M. Dental Hygiene-Theory and Practice. W.B. Saunders, 4th edition, 2014, Philadelphia (Abbreviated as "D/W" in reading assignments)

*Darby, M.L. and Walsh, M. Dental Hygiene: Theory and Practice, (procedures Manual). St. Louis. Saunders. 2014. (Excellent procedures manual as well->for personal comprehension and up-dates. Abbreviated as "*D/W" for lab assignments)

Additional Resources

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| Dimensions of Dental Hygiene RDH | BCC Dental Hygiene Student Manual |
| Dental Clinics of North America | Journal of the American Dental Assoc |
| Journal of Dental Education | Journal of Dental Hygiene |
| Journal of Dental Research | Journal of Dentistry of Children |
| Journal of Practical Hygiene | Journal of Periodontology |
| | Journal of Dental Implantology |

COURSE CONTENT

WEEK	LECTURE/LABORATORY CONTENT TOPIC AREAS	REQUIRED READING ASSIGNMENT
1	<p>IN LECTURE: Introduction to Dental Materials a. Oral Environment and Patient Considerations</p> <p>IN LABORATORY: b. Physical/Mechanical Properties of Dental Materials c. Infection Control and Safety in The Dental Office c. General Rules for Handling Dental Materials Hendricks, L. Simple Strategies -Surface Disinfection.</p>	<p>G Ch. 1 H(o)Ch. 1 G Ch. 3 G Ch. 20 G Ch. 22</p>

	<u>Dimensions of Dental Hygiene</u> . June 2015	
2	IN LECTURE/IN LABORATORY: Pit and Fissure Sealants Principles of Bonding Olmsted, J. Strategies To Improve Sealant Retention. <u>Dimensions of Dental Hygiene</u> . 15: 6. 14-16. 2017 Hagel & Vannah. Seal Away Carries Risk. <u>Dimensions of Dental Hygiene</u> . 13: 6. 34- 36 2015	G Ch. 25 W Ch. 36 H *D/W Ch. 32 (optional)
3	IN LECTURE: Gypsum Materials IN LABORATORY: Fabricating & Trimming of Study Models	G Ch. 9 G Ch. 28 W Ch. 13
	TEST # 1 (Covering weeks 1 & 3, not sealants)	Test
4	IN LECTURE: Impression Materials IN LABORATORY: a. Wax Bite Registration Curtis, D. Maintenance Consideration for Prosthetic Patients. <u>Dimensions of Dental Hygiene</u> . (Sponsored By Colgate) 14: 9. 1- 6 2016	G Ch. 8 G Ch. 27 G Ch. 21 W Ch. 13 *D/W Ch. 35 (optional)
5	IN LECTURE/LABORATORY Application and Removal of the Rubber Dam	G Ch. 24 D 659- 666 *D/W Ch. 36 (optional)
6	IN LECTURE/LABORATORY Provisional Restorations a. Retraction Cord	G Ch. 35 D/W 705-707 *D/W Ch. 36 (optional)
	TEST #2 (Covering weeks 2,4, & 5)	Test

7	<p>IN LECTURE/LAB Oral Appliances Sports Mouth Protector Kornegay, B. Addressing Obstructive Sleep Apnea. <u>Dimensions of Dental Hygiene</u>. 15: 1. 38- 41. 2017 Soob, P. Mouthguards-Give Your Patients' Smiles a Sporting Chance. <u>RHD Magazine</u>. pp. 58-63. August 2009</p>	<p>G Ch. 18 *D/W Ch. 35 (optional)</p>
8	<p>IN LECTURE: Dental Cements IN LABORATORY Matrix Band & Retainer</p> <p>***Faculty/Staff Day- NO CLASSES</p>	<p>G Ch. 7 G Ch. 6 ,p. 8 G Ch. 23 D(o) 670-672 *D/W Ch. 36 (optional)</p>
9	<p>IN LECTURE/LABORATORY Periodontal Dressings and Suture Removal</p>	<p>G Ch. 33 G Ch. 34 D(o) 641- 651 W Ch. 42</p>
10	<p>IN LECTURE/LABORATORY: Metals In Dentistry: Amalgam/Direct Gold Materials for Fixed Indirect Restorations and Prostheses</p>	<p>G Ch. 6 G Ch. 10</p>
	Test #3 (Covering weeks 6-8)	Test
11	<p>IN LECTURE Dental Amalgam: Abrasion, Finishing & Polishing Marsh, L. Polishing Update, Polishing Update. <u>Dimensions of Dental Hygiene</u>. 12: 11. 42- 46 2014 Paarmann, C. Finishing, Recontouring, and Polishing Amalgam Restorations, <u>Journal of Practical Hygiene</u>. 2:1.9-15. September 1993 IN LABORATORY: Amalgam/Composite: Finishing and Polishing Radiographic Appearance of Dental Tissues & Materials Clinical Detection & Management of Dental Restorative Materials During Scaling & Polishing</p>	<p>G Ch. 26 G Ch. 16 D 666- 672 *D/W Ch. 36 (optional) G Ch. 26/36 G Ch. 15 G Ch. 14</p>
12	<p>ONLINE: Dental Implants The Role of Attached Gingiva In Implant Therapy. <u>Dimensions of Dental Hygiene</u>. 15:14-17. May 2017 Kumarswamy, A. Trends In The Prevention of</p>	<p>G Ch. 12</p>

	Per- Implant Diseases. <u>Dimensions of Dental Hygiene.</u> (Sponsored by Colgate) 14: 5. 1- 5 2016 Patterson, A. POST-SURGICAL IMPLANT CARE. <u>Diminisions of Dental Hygiene.</u> 13: 5. 24- 29 2015	
	No Classes	
	Test #4 (Covering weeks 9-12)	Test
13	<p>IN LECTURE: Orthodontic Functions a. Metals used in Orthodontics b. Specialty Materials</p> <p>IN LABORATORY: a. Placing brackets/bands/archwires & removal c. Debonding Orthodontic Resins</p> <p>John, C. A. Self-care for the Orthodontic Patient. <u>Journal of Practical Hygiene.</u> 14:5. 15-18. 2005</p> <p>Harrell, Dr. R. Lasers in Orthodontics. <u>Journal of Professional Excellence: Dimensions of Dental Hygiene.</u> pp. 30-34. October 2011. Possible Guest Lecturer: TBA</p>	<p>G Ch. 13</p> <p>G Ch. 32 W Ch. 30</p>
14	<p>IN LECTURE Tooth Whitening Theoretical Concepts</p> <p>IN LABORATORY: Tooth Whitening Concepts Alshehri, A. Addressing White Spot Lesions (When to Whiten). <u>Dimensions of Dental Hygiene.</u> 13: 8. 32- 35 2015 Bernie, K. Professional Whitening. <u>ACCESS: ADHA.</u> pp. 12-15. December 2011. Miller, Faith. Addressing Whitening-Related Sensitivity <u>Dimensions of Dental Hygiene.</u> pp.21-22. July 2015. Dental Alloys: Casting/Lost Wax Technique</p>	<p>G Ch. 17</p> <p>G Ch. 31 W Ch. 45 D/W C. 35 G Ch. 10</p>
15	<p>IN LECTURE: TEST # 5 (Covering weeks 13-15) BOARD REVIEW Questions- Clickers/Game Simulation LABORATORY Lab Final-Review</p>	

H= indicates handouts corresponding to weekly topics.

H (o)= indicates Hatrick Text on, Dental Materials/or Handout on This Subject from Text

D/Walsh= Darby procedures manual **W**= Wilkins

G= Gladwin, Main textbook reading requirements

*****Students are responsible for reading and preparing for laboratory and clinical applications prior to coming to all classes and laboratory sessions.**

*****This is a Hybrid course. Students are expected to follow course protocols online for class/lab preparations several times a week. Weekly form/assignments are mandatory & due on time.**

*****Internet Resources, textbook: <http://thePoint.lww.com/Gladwin3e>**

Syllabus Subject To Change

Current Dimensions Articles for D.M.'s

1. Varlotta, S. Advancing Patient Care With Digital Technology, Dimensions of Dental Hygiene. 15: 3. 50-53. 2017
2. Olmsted, J. Strategies To Improve Sealant Retention, Dimensions of Dental Hygiene. 15: 6. 14-16. 2017
3. Hempyon, T. Supporting Implant Health, Dimensions of Dental Hygiene. 15: 6. 48- 51 2017
4. Kornegay, B. Addressing Obstructive Sleep Apnea, Dimensions of Dental Hygiene. 15: 1. 38- 41. 2017
5. Rothen, M. The Tipping Point For Air Polishing, Dimensions of Dental Hygiene. 14: 10. 30- 35. 2016
6. Curtis, R. POST- SURGICAL IMPLANT CARE, D. Maintenance Considerations for Prosthodontic Patients, Dimensions of Dental Hygiene. (Sponsored by Colgate) 14: 9. 1- 6 2016
7. Kumarswamy, A. Trends In The Prevention of Peri- Implant Diseases, Dimensions of Dental Hygiene. (Sponsored by Colgate) 14: 5. 1- 5 2016
8. Tranmer, R. The Use of Laser Fluorescence in Sealant Monitoring, Dimensions of Dental Hygiene. 13: 11. 50- 52 2015
9. AlShehri, A. Addressing White Spot Lesions (When to Whiten), Dimensions of Dental Hygiene. 13: 8 32-35 2015
10. Hagel, N. Seal Away Caries RISK, Dimensions of Dental Hygiene. 13: 6. 34- 36 2015
11. Hendricks, L. Simple Strategies For Surface Disinfection, Dimensions of Dental Hygiene. 13: 6. 42- 44. 2015
12. Table: Focus On Sealants, Dimensions of Dental Hygiene. 13: 2. 29- 33 2015
13. Company Index Guide, Dimensions of Dental Hygiene Supplement Issue. 2015
14. Marsh, L. Polishing Update, Dimensions of Dental Hygiene. 12: 11. 42- 46 2014
15. Abuja, B., Support Orthodontic Treatment Success, Dimensions of Dental Hygiene. 11:12. 22- 27 2013
16. Pattison, A. POST- SURGICAL IMPLANT CARE, Dimensions of Dental Hygiene. 13: 5. 24- 29 2015
17. [WWW.ineedce.com](http://www.ineedce.com). Professional Whitening Services: Prioritizing & Implementing For Success. Peer- Reviewed Publication. By, Nagelberg, Richard, DDS. P's: 1-15 2015

BERGEN COMMUNITY COLLEGE
DENTAL HYGIENE DEPARTMENT

DENTAL HYGIENE COMPETENCY CHART

The competency chart lists the Clinical Services which will be taught during this course. It also indicates whether the specific clinical service will be taught to lab or clinical proficiency, or both.

Clinical Service	Lab	Clinical	Both
Perform a complete prophylaxis including removal of all hard and soft deposits from all surfaces of human teeth to the epithelial attachments, polish natural and restored teeth, root planning, and curettage as part of the prophylaxis	X	X	X
Provide prophylactic and preventive measures such as the application of fluorides and other recognized topical agents for the prevention of oral disease and discomfort	X	X	X
Examine soft and hard tissues of the head, neck, and oral cavity, note deformities, defects and discomfort	X	X	X
Provide oral health education such as but not limited to dietary analysis and clinical instruction in order to promote dental health	X	X	X
Take and record vital signs	X	X	X
Apply topical anesthetics	X	X	X
Apply pit & fissure sealants	X	X	X

Fabricate athletic mouth guard appliances	X	X	X
Remove excess cement from crown and orthodontic bands (by hand or mechanical instrument)	X	X	X
Take impressions for diagnostic models	X	X	X
Clinical Service	Lab	Clinical	Both
Perform bite registration procedures to determine occlusal relationship of diagnostic models only	X	X	X
Prepare diagnostic study models	X	X	X
Take dental photographs-intra oral camera	X	X	X
Place and remove periodontal dressings and other surgical dressings	X	X	X
Prepare teeth for bonding not to include prophylaxis	X	X	X
Make radiographic exposures as permitted by the Department of Environment Protection	X	X	X
Retract patient's cheek, tongue, or other tissue parts during a dental procedure	X	X	X
Isolate the operative field	X	X	X
Remove sutures	X	X	X
Place and finish composite restorations	X		
Prepare and place commonly used cements, bases, and liners	X	X	X
Take impressions for fixed and removable prostheses	X		
Polish amalgam restorations	X	X	X
Place and remove rubber dams	X	X	X

Fabricate and cement temporary crowns	X	X	X
Place and remove retraction cord and medicated pellets, (limited discussion-state scope practice acts)	X	X	X
Place temporary sedative restorations	X	X	X
Clinical Service	Lab	Clinical	Both
Test for Saliva Quality, pH and Buffering Capacity – Guest speaker: GC America	X		
Place and remove matrices and wedges	X	X	X
Pre-select orthodontic bands, wires, stainless steel crowns and temporary crowns intra-orally	X	X	X
Remove arch wires and ligature wires Educate and conduct Whitening Procedures: Tray construction & Gingival Liquid Dam	X	X	X
Place amalgam and gold foil, (oral discussion-only) in a tooth for condensation by the dentist	X		
Discuss the administration of nitrous oxide-refer to state cope practice acts	X		

EVALUATION CRITERIA

CLASSROOM EXAMINATIONS

There will be five non-cumulative examinations during the semester on the following dates:

These tests will be administered at the start of the lecture time period. Each examination will consist of **50** multiple-choice questions worth **2** points per question. Examinations will cover material from lectures, laboratory exercises, and reading assignments.

Students are expected to take the examinations when scheduled. Failure to complete any of the scheduled examinations will require the student to take a cumulative make-up examination which will be administered on **12/21/17**. The make-up examination may not be presented in the same format as the original examination. The grade received on the cumulative final examination will be entered as the grade for any of the missed examinations. Failure to make-up any missed examination on the scheduled make-up date will result in a grade of **zero**.

LABORATORY ACTIVITIES

The laboratory portion of this course is designed to assist you in a better understanding of dental materials and their working properties. Attendance and participation in the laboratory sessions is mandatory. Each lab session will be graded. Only **one** make-up lab will be given for missed laboratory activities- without penalty. Students must either: e-mail me via Moodlerooms, call in to the secretary or my office phone, and/or give a written and legitimized note as to why they missed a class- in order to not be penalized for additional absences. Students will receive a **zero** for additional laboratory absences missed if he/ or she fails to follow these procedures. The lowest lab grade will be dropped and the remaining grades for the lab sessions will be averaged.

ATTENDANCE

- Bergen Community College's attendance policy states: "All students are expected to attend punctually every scheduled meeting of each course in which they are registered. Attendance and lateness policies and sanctions are to be determined by the instructor of each course. These will be established in writing on the individual course outline."
- It is the student's responsibility to be on time for all classes and clinical sessions.
- In the event of inclement weather, access the college website at www.bergen.edu and a window will appear with either delayed opening or school closing information. You can listen to 1010WINSSchoolClosingCenter or access their web site at

http://www.1010wins.com. You may also try local television stations such as News 12 New Jersey. If you call the main campus at (201)447-9200 you may receive information but do not rely on telephoning the college during periods of inclement weather/other emergencies. Also, check college homepage for current closing announcements.

ATTENDANCE POLICY ON EXAMINATIONS

- Attendance is mandatory at all examinations. Absence is not acceptable.
- Only in extenuating circumstances with proper documentation (current physician's note) will a make-up examination be administered. The make-up examination and date will be at the discretion of the faculty member.
- If the absence is inexcusable, the student will receive a **zero (0)** for the examination.
- To report an absence, please email Professor or call: and or leave a message in the Moodlerooms-Dental Materials site. In the event that you cannot contact Professor., call the department secretary at: prior to a lecture or laboratory class.

LATENESS FOR LECTURE & LAB

Students are required to be on time for lecture and laboratory portions of the course. Occasionally, lateness can occur when guest lecture appearances from previous classes overlap the dental materials course. A student, (or students) consistently late for lecture or lab will receive **up to 5 points** deduction from the **final grade**, for each class missed, (faculty discretion).

ABSENCES FROM LECTURE & Lab

It is the student's responsibility to prioritize all dental hygiene courses above personal or work- related schedules. A student who leaves early from class will be marked down as absent and receive **up to 5 points** deduction from the **final grade**, (faculty discretion).

Students are not allowed more than **one** absence from either lecture or laboratory sessions. Unexcused absences will result in failure for the day. Written documentation concerning the absences, (or **"legitimized"** additional absences: extenuating illness or religious observances→ as stated in college policy), will suffice and prevent further infractions concerning the final grade in the course. It is the student's responsibility to obtain make-up

work from a colleague, (**NOT** from the instructor). Those who exceed **one or more times without explicable recourse**, will receive an **"INC"** grade for the course, or will not be permitted to pass the course and progress to the next semester. (Refer to student/college policies).

ABSENCE OF INSTRUCTOR

→ From the college catalogue: students are expected to wait **20** minutes for a faculty member to come to class

→ If at the end of **20** minutes the faculty member does not come, the students should sign an attendance sheet which indicates course, date, and time. One student should deliver the attendance sheet to the dental hygiene office.

→ Students cannot be penalized by faculty for not waiting longer than 20 minutes.

EVALUATION

Examinations **60%** (five examinations; **12 %** each)
Laboratory and Clinical Competencies **35%**=P/F
Class Participation **5%** (to include weekly forums)

The final letter grade will correspond to the following numerical value grading system:

A	92-100
B+	89-91
B	83-88
C+	80-82
C	75-79
F	74 and below

A MINIMUM GRADE OF "C" IS REQUIRED TO PASS THIS COURSE. A cumulative average of **75 MUST** be achieved from the five examinations and laboratory evaluations in Dental Materials in order to pass the course.

ADA

Every effort will be made to ensure classroom and laboratory access for all students. Students who have a documented disability may be eligible to receive accommodations for this class. Please contact the Office of Specialized Services (Room 131) for further information prior to the start of the course.

ACADEMIC INTEGRITY

The Bergen Community College Dental Hygiene Program will adhere to the Academic Integrity Policy, which is stated in the Bergen Community College Catalog. "Violation of academic integrity may be defined to include the following: cheating, plagiarism, falsification and fabrication, abuse of academic materials, complicity in academic misrepresentation. It is the student's responsibility to be aware of the behaviors that constitute academic dishonesty". Please refer to the Bergen Community College Catalog for more information.

ACADEMIC CONDUCT

- The Dental Hygiene Faculty adheres to the policy statement governing academic conduct as outlined in the Bergen Community College Catalog.
- Faculty may not post exam grades due to privacy laws.
- Faculty reserve the right to delay the return of exam grades until all students have taken the exam and faculty review of the exam has been completed.
- Cheating, plagiarism, and unethical behavior will not be tolerated. Any student who has demonstrated any of the above behaviors will be disciplined according to college procedures.
- Sidebar discussions during class sessions are not permitted. Faculty may dismiss a student who chooses not to comply with this policy.
- No discussions are permitted once students are seated for an examination. Faculty may dismiss a student who chooses not to comply with this policy.
- No cell phone use during lecture or lab sessions permitted. Point deductions from class participation grade or **Zero** grade for lab session will occur auto.

SERIOUS ILLNESS, INJURY OR PREGNANCY

- Refer to student handbook on the policies.
- Your good health is essential to the practice of dental hygiene. In order to successfully complete the program, full participation in all areas of practice is required regardless of medical conditions.

PROGRESSION REQUIREMENTS

- ✚ A student **MUST** complete the Dental Hygiene Program within four consecutive years from enrollment in the Dental Hygiene program.
- ✚ All dental hygiene students who are withdrawing "W" from a Dental Hygiene Course (DHY) or have received a failing "E" or "F" grade in any course **MUST NOTIFY** the Dental Hygiene Academic Department Chair in writing **within 14 days** from the end of the semester about their intention to repeat the course, if eligible.
- ✚ Any student who withdraws (W) from any DHY (core dental hygiene course) must withdraw from all DHY courses for that semester. All DHY courses from the semester in question must be repeated and successfully completed in the subsequent year.
- ✚ A first semester student who receives a failure (E or F) in DHY 108 or DHY 109, but successfully completes DHY 101, will be allowed to repeat DHY 108 or DHY 109 **ONLY** if they register for the DHY 210 course concurrently. If a student fails any two dental hygiene courses (either the same course or any two dental hygiene courses throughout the curriculum) they will not be permitted to continue in the dental hygiene program.
- ✚ A second semester student who receives a failure (E or F) in DHY 201, will be allowed to repeat DHY 201 **ONLY** if they register for the DHY 210 course in the fall prior to re-enrolling for DHY 201 the following spring. If a student fails any two dental hygiene courses (either the same course or any two dental hygiene courses throughout the curriculum) they will not be permitted to continue in the dental hygiene program.
- ✚ A second semester student who receives a failure (E or F) in DHY 205 or DHY 209, but successfully completes DHY 201 will be allowed to repeat DHY 205 or DHY 209 **ONLY** if they will register for the DHY 210 course concurrently. If a student fails any two dental hygiene courses (either the same course or any two dental hygiene courses throughout the curriculum) they will not be permitted to continue in the dental hygiene program.
- ✚ A summer semester student who receives a failure (E or F) in DHY 200 or DHY 220 but successfully completes DHY 201 will be allowed to repeat DHY 200 or DHY 220 **ONLY** if they register for the DHY 210 course concurrently. If a student fails any two dental hygiene courses (either the same course or any two dental hygiene courses throughout the curriculum) they will not be permitted to continue in the dental hygiene program.

- ✚ A third semester student who receives a failure (E or F) in OH III, DHY 202, must enroll in DHY 210, Enhanced Clinical Techniques, during the summer session, prior to re-enrolling in DHY 202 the following fall. If a student fails any two dental hygiene courses (either the same course or any two dental hygiene courses throughout the curriculum) they will not be permitted to continue in the dental hygiene program.
- ✚ A third semester student who receives a failure (E or F) in DHY 204, DHY 206, DHY 207, or DHY 219 but successfully completes DHY 202 will be allowed to repeat DHY 204, DHY 206, DHY 207 or DHY 219 ONLY if they register for the DHY 210 course concurrently. If a student fails any two dental hygiene courses (either the same course or any two dental hygiene courses throughout the curriculum) they will not be permitted to continue in the dental hygiene program.
- ✚ A fourth semester student who receives a failure (E or F) in Nutrition, DHY 214 and/or COH II, DHY 216 but successfully completes DHY 203 will be allowed to repeat DHY 214 and/or DHY 216 ONLY if they register for the DHY 210 course concurrently. If a student fails any two dental hygiene courses (either the same course or any two dental hygiene courses throughout the curriculum) they will not be permitted to continue in the dental hygiene program.
- ✚ A fourth semester student receives a failure (E or F) in DHY 203 in the spring semester, will be required to register for the DHY 210 course, in the fall prior to re-enrolling in DHY 203 the following spring. If a student fails any two dental hygiene courses (either the same course or any two dental hygiene courses throughout the curriculum) they will not be permitted to continue in the dental hygiene program.
- ✚ Any student who fails any two dental hygiene courses as stated above, may reapply to the Dental Hygiene program and if accepted, must repeat all Dental Hygiene courses. All general science courses must be successfully completed within the past five years, as per admission requirements.
- ✚ General science and education pre and co-requisites must be fulfilled as listed in the course sequence of the college catalog and program brochure.
- ✚ Transfer credit may be awarded for general education courses as outlined in the college catalog.
- ✚ It is the responsibility of the individual student to review prerequisites and co-requisites for each course prior to registration.

- ✚ All core DHY courses **MUST** be taken in sequential order within the Bergen Community College Dental Hygiene Program. **NO** DHY courses may be transferred or taken at any other dental hygiene program.
- ✚ All core DHY courses are co-requisites for each other during every semester of the dental hygiene program.
- ✚ All students who are requesting a Leave of Absence must apply in writing to the Dental Hygiene Department Chair for consideration. If granted, all other policies still apply.
- ✚ Any fourth semester student, who has not completed a minimum of 50% of their clinical requirements by March , will **NOT** be eligible to sit for the clinical exam, CDCA/NERB.

Course Grade Appeal Policy

- ✚ Bergen Community College's appeal policy states:
 1. "A student raising a complaint or concern about a course grade may discuss the matter with the individual faculty member no later than the **first two weeks** of the semester, immediately following receipt of the grade.
 2. If the grade appeal is not resolved, the student may bring the matter to appropriate department head **within two weeks** of discussion with the instructor.
 3. The department head will investigate the appeal and attempt to resolve the matter as expeditiously as possible. The department head will notify the student either in writing or orally of the result.
 4. If the appeal is not resolved, the student may put the appeal in writing, attaching copies of any supporting information and send it to the appropriate divisional dean **within two weeks** of hearing from the department head.
 5. The divisional dean may consult other faculty in the discipline and the department head and may choose to meet with the student. The dean will notify the student in writing of the resolution. A grade appeal is sometimes a lengthy process and may take several weeks to resolve at

- this stage. Every effort will be made to notify the student within one month.
6. After receipt of the dean's written response, a student may continue the appeal process by writing to the Academic Vice president. The student should attach copies of all previous correspondence regarding the appeal and copies of supporting documentation.
 7. The Academic Vice President will consult all parties involved in the appeal process and may choose to meet with the student. Grade appeals may also take several weeks to resolve at this stage.
 8. The Academic Vice President will notify the student in writing of the results of the appeal. Every effort will be made to notify the student **within one month."**

COURSE ACKNOWLEDGEMENT FORM

- ✚ "All students must carefully review the information stated in this course and sign the course acknowledgement form provided. The acknowledgement that you reviewed and understand the requirements, evaluation methods, and policies of the course."
- ✚ "A copy will be kept in the student folder and the student will keep a copy."
- ✚ All course acknowledgement forms will be signed and returned by Thursday September

BERGEN COMMUNITY COLLEGE
DIVISION OF HEALTH PROFESSIONS
DENTAL HYGIENE PROGRAM

STUDENT ACKNOWLEDGEMENT VERIFICATION

I, _____ acknowledge that I have read and understand the requirements for DHY 204 – Dental Materials. I agree to abide by the rules set forth in this course outline, in the Bergen Community College Dental Hygiene Student Handbook and the Bergen Community College Catalog.

Student Signature/Date

Professor

Faculty Signature/Date

DATE	TOPIC	TEXTS	CORE COMPETENCIES
	Intro. Dental Materials: Theory, Properties, Infection Control/Safety and General Rules For Handling Materials	G Ch. 1, 3, 20, 22 H (o) Ch. 1	C 1, 2, 5, 7, 9, 14, HP 4, 5, 6
	Pit and Fissure Sealants	G Ch. 25 W Ch. 36 D/W(o) Ch. 32	C 1- 7, 9, 11, HP 6, PC 5, 6, 10, 11, 13
	Gypsum Materials	G Ch. 9, 28 W Ch. 11	C 1, 2, 3, 4, 5, 6, 7, 9, 11
	Impression Materials/Bite Registration Test #1	G Ch. 8, 21, 27 W Ch. 13 D/W(o) Ch. 35	C 1-7, 9, 11, HP 6, PC 5, 6, 10, 11, 13
	Rubber Dam: Application/Removal	G Ch. 24 D p's. 659-666 D/W(o) Ch. 6	C 1, 2, 5, 7, 9, 14, HP 4, 5, 6
	Provisional Restorations Retraction Cord- Placement/Removal	G Ch. 35 D/W p's. 705- 707 D/W(o) Ch. 36	C 1, 2, 5, 7, 9, 14, HP 4, 5, 6
	Oral Appliances: Sports Mouth Protector/Nightguard Test #2	G Ch. 18 D/W(o) Ch. 35	C 1-7, 9, 11, HP 6, PC 5, 6, 10, 11, 13
	Dental Cements: Matrix Band/Retainer- Placement/Removal	G Ch.7, 6,(p.85),23 D p's. 670-672 D/W(o) Ch. 36	C 1-7, 9, 11, HP 6, PC 5, 6, 10, 11, 13
	Periodontal Dressings: Placement/Removal & Suture Removal	D p's. 641- 651 G Ch. 33, 34 W Ch. 42	C 1- 7, 9, 11, HP 6, PC 5, 6, 10, 11, 13
	Metals in Dentistry: Amalgam/Direct Gold, Materials For Fixed Indirect Restorations & Prostheses Test#3	G Ch. 5, 6, 10	C 1-7, 9, 11, HP 6, PC 5, 6, 10 11, 13
	Dental Amalgam/Composite: Finishing & Polishing Radiographic Appearance... Clinical Det. & Management of D.M.'s	G Ch. 26, 36 G Ch. 15 G Ch. 14	C 1-7, 9, 11, HP 6, PC 5, 6, 10, 11, 13 " " " "
	Dental Implants	G Ch. 12	C 1-7, 9, 11, HP 6, PC 5, 6, 10, 11, 13
	THANKSGIVING BREAK		
	Orthodontic Functions: Placing brackets/bands/archwires & removal Debonding Orthodontic Resin Test #4	G Ch. 13 G Ch. 32 W Ch. 30	C 1, 2, 5, 7, 9, 14, HP 4, 5, 6
	Tooth Whitening Theory and tray Construction Dental Alloys: Casting/Lost Wax Tech.'s	G Ch. 17, 31 W Ch. 45 D/W(o)Ch. 35, G Ch. 10	C 1- 7, 9, 11, 14, HP 6, PC 5, 6, 10, 11, 13
	Test #5 Board Review –Clickers/Game Simulation	Make Up Test-	

