COURSE OUTLINE

DHYG 141 – PRE-CLINICAL DENTAL HYGIENE LAB

Prepared by: Kasey Penoyer, RDH, BTech, MS
DHYG 141  PRE-CLINICAL DENTAL HYGIENE LAB

A. **TITLE:** PRE-CLINICAL DENTAL HYGIENE LAB

B. **COURSE NUMBER:** DHYG 141

C. **CREDIT HOURS:** 2

D. **WRITING INTENSIVE COURSE:** NO

E. **COURSE LENGTH:** 15 WEEKS

F. **SEMESTER(S) OFFERED:** FALL

G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:**
   8 HOURS OF LAB EACH WEEK

H. **CATALOG DESCRIPTION:** This course prepares students to perform the specific skills outlined in the Dental Hygiene Process of Care. Emphasis is placed on professionalism, infection control, basic instrumentation skills and patient assessment processes. Patient assessment processes include conducting a medical history interview, documentation of vital signs, head and neck cancer screening exams, caries detection, assessment of deposits and an evaluation of the periodontium. This will be accomplished through lab demonstrations and clinical practice on manikin and/or lab partners, culminating with an initial two appointment clinic patient experience. Students must attend 8 hours of clinical practice each week. Students must also reserve 2 hours of additional time once a week to be spent further developing their clinical skills. All students must submit a comprehensive health history to the clinic coordinator prior to sitting as a practice patient in the clinic. A minimum grade of “C” is required.

I. **PRE-REQUISITES/CO-COURSES:** Pre-requisites: Dental Hygiene matriculation, CPR/AED Certification, proof of current malpractice insurance. Co-Requisite: DHYG 140 Pre-Clinic Theory or permission of the instructor.

J. **GOALS (STUDENT LEARNING OUTCOMES):** By the end of this course, the student will meet the following course learning outcomes which are linked to the institutional learning outcomes. This course provides the student with the foundational skills to perform the following DHYG competencies 1.1, 1.2, 1.4, 1.6, 1.11, 1.16, 2.1, 5.1, 5.2, 6.1, 6.2, 6.3, 6.5, 6.6, and 6.7.

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<thead>
<tr>
<th>Course Outcomes</th>
<th>Institutional Outcomes</th>
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<tr>
<td>1. Apply ergonomic principles to the clinical practice of dental hygiene.</td>
<td>2. Critical Thinking</td>
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<td>2. Demonstrate how to properly adapt instruments to remove hard and soft deposits during dental hygiene care.</td>
<td>3. Professional Competency</td>
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<td>3. Demonstrate a respect for maintaining patient confidentiality when reviewing and/or discussing personal health information and utilize medicolegal principles of documentation when completing a patient record in the clinical setting.</td>
<td>3. Professional Competency</td>
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<td>4. Apply infection control protocols.</td>
<td>3. Professional Competency</td>
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<td>5: Displays professionalism and utilizes effective communication adhering to the SUNY Canton Dental Hygiene Clinic protocols.</td>
<td>3. Professional Competency 4. Inter/Intra Personal Communication</td>
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<td>6. Implement the components of an initial patient appointment in the SUNY Canton Dental Hygiene Clinic.</td>
<td>2. Critical Thinking 4. Inter/Intra Personal Communication</td>
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*All specific learning objectives and accompanying reading assignments will be posted by topic to ANGEL the first week of class.

**REQUIRED TEXTS:**


Current copy of the Dental Hygiene Department’s Student Handbook, Infection Control and Evaluation Manuals written by the dental hygiene faculty

L. **REFERENCES:**

M. **EQUIPMENT:** Each student is expected to purchase two sets of scrubs and one lab jacket, white clinic shoes, an instrument and supply kit, a plastic tote for storing PPE, 2 clipboards, a set of colored pencils, a Kilgore typodont and a padlock for their locker.

N. **GRADING METHOD:** A – F
A letter grade will be issued and students must achieve a minimum C grade in all dental hygiene courses.

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<thead>
<tr>
<th>Grade</th>
<th>Minimum Score</th>
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<tr>
<td>A</td>
<td>94 - 100</td>
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<tr>
<td>B+</td>
<td>90 - 93</td>
</tr>
<tr>
<td>B</td>
<td>84 - 89</td>
</tr>
<tr>
<td>C+</td>
<td>80 - 83</td>
</tr>
<tr>
<td>C</td>
<td>75 - 79</td>
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<tr>
<td>D</td>
<td>74 - 70</td>
</tr>
<tr>
<td>F</td>
<td>69 or lower</td>
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O. **MEASUREMENT CRITERIA/METHODS:**
Daily Professional Conduct Evaluations
Clinical Processes
Competency tests
Instrumentation Evaluations
Pre-Clinic Lab Evaluation
Written Assignments

P. **DETAILED COURSE OUTLINE:** (this is a lab where students practice the skills discussed in DHYG 140 Pre-Clinic Theory. Therefore, students must be registered for both courses.)

Lab #1: Discussion on Clinical Processes
Tour of the Clinic, Assign Treatment Room Location of Emergency Phones, Oxygen tank, Emergency Cart, Defibrillator & Fire Extinguishers
Modified Pen Grasp, Neutral Body Positions, Components of the Clinician’s Stool
Students practice adjusting chair with partner in the chair
Lab #2: Demo on How to Attach Typodont, Skull and Pole to Patient Chair  
Practice Handwashing Techniques  
Practice Opening and Closing of Treatment Room  
Practice Basic Operator Positioning

Lab #3: Self Evaluation of Opening Treatment Room  
Practice Placement and Removal of Personal Protective Equipment (PPE)

Patient Positioning during Patient Care: Supine, Semi-Supine, head positions, and giving patient commands for adjusting head positions  
Operator Positioning: front (7:00/8:00), side (9:00/10:00) and behind (11:00/1:00)  
Dental Light Positions: right, left and center  
Students tear down unit & complete documentation

Lab #4: Students set-up unit and treatment room  
Demonstration on Barrier Placement  
Demonstration on Uses of Mirror: (3 R’s: Retraction, Reflection, Refraction)  
Retraction of tongue or cheek to utilize direct vision  
Reflection of image for indirect vision  
Refraction: indirect illumination  
Transillumination  
Mirror at Rest: retraction of lower lip with thumb and upper lip with first finger

Lab #5: Students set up unit and treatment room  
Instructor Demonstrates Decontamination Process  
Practice seating position, mirror use, finger rests and light positioning on typodont  
Students tear down unit & completes documentation

Lab #6: Students set up unit and treatment room  
Instrumentation Practice on Partner with Probe  
Demonstration of Proper Handling of Contaminated Instruments  
Students tear down unit & completes documentation

Lab #7: Students set up unit and treatment room  
Demonstration of explorers on Typodont  
Instrumentation Practice  
Demonstration on use of compressed air  
Students tear down unit & complete documentation

Lab #8: Students set up unit and treatment room  
Basic Skill Evaluation by Faculty  
Practice Explorers

Lab #9: Students set up unit and treatment room  
Peer Evaluation of Pre-Clean and Disinfection Process  
Practice Explorer Skills  
Students tear down units and document charts

Lab #10: Students set up unit and treatment room  
Instructor evaluation of pre-cleaning and disinfection  
Demonstration of Pulse and Respiration  
Students tear down units and document charts

Lab #11: Students set up unit and treatment room  
Instructor demonstrates probe technique and seating positioning  
Students practice probing and documenting recession on mandible
Students tear down unit, decontaminate and complete documentation

Lab #12:  
Students set up unit and treatment room  
Students practice probing on maxilla  
Students tear down unit, decontaminate and complete documentation

Lab #13:  
Students set up unit and treatment room  
Explorer Evaluation by Faculty  
Practice Probing

Lab #14:  
Typodont Practice  
Introduction of H5/33 Scaler, 204SL, and Barnhart 5/6  
Students tear down unit, complete documentation

Lab #15:  
Explorer Evaluation  
Typodont Practice with scalers  
Students tear down unit, complete documentation

Lab #16:  
Typodont Practice with probe and scalers  
Re-evaluation of Explorer if necessary  
Students tear down unit, complete documentation

Lab #17:  
Typodont Practice  
Instrumentation Practice in preparation for testing next clinic

Lab #18:  
Probe and Compressed Air Evaluation  
Demonstration of mini ½ Gracey curet  
Discussion on 1st patient experience

Lab #19:  
Set-up of treatment room  
Scalers and Barnhart Evaluation  
Demonstration of 7/8, 11/12, 13/14 Gracey curets

Lab #20:  
Set-up treatment room  
Practice Gracey Curets (1/2, 7/8, 11/12 and 13/14)  
Students tear down unit and complete documentation

Lab #21:  
Set-up treatment room  
Instructor Demonstration of dental flossing  
Students practice scalers, curets and flossing in preparation for skill testing  
Students tear down unit and complete documentation

Lab #22:  
Set-up treatment room  
Instructor Evaluation of Scalers and Curets  
Students tear down unit and complete documentation

Lab #23:  
Set-up treatment room  
Instructor demonstrates disclosing solution and PHP Index.  
Students practice disclosing, flossing and EO/IO Exam  
Students tear down unit and complete documentation

Lab #24:  
Students practice all components of the assessment packet that will be completed during patient appointments in labs #26 and 27

Lab #25:  
Set-up treatment room  
Practice steps in Extra and Intraoral Examination
Instructors screen patient histories for any medical compromises
Review Emergency procedures in preparation for patient care appointments
Students tear down unit and complete documentation

Lab #26: Practice on 1st outside patient: History interview, vital signs, extra/intraoral Exam and gingival evaluation.

Lab #27: Practice On 2nd outside patient: History interview, vital signs, extra/intraoral Exam and gingival evaluation.

Lab #28: Close out clinic
Final documentation of pre-clinic requirements

Final Exam Week Final Instrumentation Practicum

Q. **LABORATORY OUTLINE:** This course is a lab and the outline is listed above.