

**STATE UNIVERSITY OF NEW YORK
COLLEGE OF TECHNOLOGY
CANTON, NEW YORK**



**COURSE OUTLINE
DHYG 150 – DENTAL HYGIENE I THEORY**

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**SCHOOL OF SCIENCE, HEALTH & CRIMINAL JUSTICE
DENTAL HYGIENE AAS PROGRAM
MARCH 2015**

DHYG 150 – DENTAL HYGIENE I THEORY

- A. **TITLE:** DENTAL HYGIENE I THEORY
- B. **COURSE NUMBER:** DHYG 150
- C. **CREDIT HOURS:** 2
- D. **WRITING INTENSIVE COURSE:** NO
- E. **COURSE LENGTH:** 15 WEEKS
- F. **SEMESTER(S) OFFERED:** SPRING
- G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:**
2 HOURS OF LECTURE EACH WEEK

H. CATALOG DESCRIPTION:
This course elaborates and expands upon the theories presented in DHYG 140: Pre-Clinical Dental Hygiene Theory; and introduces additional information required when rendering individualized patient care. Specific topics will include dental considerations for patients with chronic diseases taking medications that may impact one’s dental health, recording and reading dental charting, recognizing varying levels of dental disease and determining appropriate interventions. Emphasis will also be placed on instrument sharpening to aid in effective removal of deposits. Two hours of lecture each week. Students must also register for DHYG 151.

I. PRE-REQUISITES/CO-COURSES: Pre-requisites: Dental Hygiene matriculation, Co-requisite: DHYG 151 Clinical Dental Hygiene I 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 foundational learning for completing Dental Hygiene Program Competencies: 1.1, 1.3, 1.5 through 1.13, 1.15, 1.16, 2.1 through 2.3, 2.6, 2.7, 3.1, 3.3, 5.1 through 5.5, 6.1, 6.2, 6.7, and 7.2.

Course Learning Outcomes	Institutional Outcomes
1. Describe the instrument sharpening process and explain the rationale and advantages of using sharp instruments.	3. Prof Competency
2. Explain the process for identifying caries in the clinical setting and select appropriate treatment modalities for managing patients at risk for dental caries.	2. Critical Thinking 3. Prof Competency
3. Recognize and utilize symbols used to record and read a dental chart.	3. Prof Competency
4. Identify the components of a Dental Hygiene Care Plan (including a Dental Hygiene Diagnosis, Treatment Interventions, Patient Goals and Expected Outcomes, Development and Verbal Presentation of a Treatment Plan to the Patient and Rationale for Acquiring Informed Consent).	3. Prof Competency
5. Discuss techniques utilized to remove soft deposits, stains and calcareous deposits utilizing ultrasonic and hand scaling as well as a rotary cup and occlusal brush.	3. Prof Competency
6. List indications and contraindications for utilization of a topical anesthetic to manage patient discomfort during a hygiene appointment.	3. Prof Competency

K. TEXTS:

Mosby's Drug Reference, 2nd Edition, Lippincott, Williams & Wilkins, 2012.

Nield-Gehrig, Jill. Fundamentals of Periodontal Instrumentation, 7th Edition, Lippincott, Williams and Wilkins, 2013.

Nield-Gehrig, Jill. Patient Assessment Tutorials, 3rd Edition, Lippincott, Williams and Wilkins, 2013.

Wilkins, Esther. Clinical Practice of the Dental Hygienist, 11th Edition, Lippincott, Williams and Wilkins, 2013.

Most current edition of the Student Handbook, Infection Control, Dental Emergency and Evaluation Manuals written by dental hygiene faculty

L. REFERENCES:

Langlias, Color Atlas of Common Oral Diseases, Lippincott, Williams and Wilkins, 4th Edition, 2009

Miller, C.H. and Palenik, C.J., Infection Control and Management of Hazardous Materials for the Dental Team, 5th Edition, Elsevier-Mosby, St. Louis, 2014.

Stedman's Medical Dictionary for the Dental Professions, Lippincott, Williams and Wilkins, most current edition.

M. EQUIPMENT: No equipment is needed for this lecture

N. GRADING METHOD: A – F

A letter grade will be issued utilizing the conversion table below. Students must achieve a minimum C grade in all dental hygiene courses.

A	94 - 100
B+	90 - 93
B	84 - 89
C+	80 - 83
C	75 - 79
D	74 - 70
F	69 or lower

N. MEASUREMENT CRITERIA/METHODS:

Quiz Average
Midterm Exam
Final Exam
Chart Audit

P. DETAILED COURSE OUTLINE:

I. Dental Caries

- A. Caries Process
- B. Caries Balance Theory
- C. Benefits of Saliva Testing
- D. Dental Therapies for the Prevention and Treatment of Dental Caries

II. Dental Charting

- A. Black's Classification

- B. Charting Existing Restorations on an Anatomical Chart
- C. Charting New Decay, Decalcification and Faulty Restorations
- D. Comparison of Primary, Permanent and Mixed Dentitions

III. Dental Hygiene Diagnosis

- A. Dental Hygiene Human Needs Conceptual Model
- B. Eight Human Needs Related to Oral Health & Disease
- C. Recognizing Unmet Needs
- D. Identifying Appropriate Interventions and Patient Goals

IV. Dental Hygiene Process of Care

- A. Purposes
- B. Factors that increase patient risk for dental diseases and oral cancer
- C. Treatment Planning

V. Dental Specialties

- A. Nine ADA Recognized Specialties
- B. Referral to a Dental Specialist

VI. Pharmacological History in the Patient's Assessment Packet

- A. Generic VS Brand Names
- B. Prescription VS Over the Counter Medications
- C. Herbal and Non-Herbal Supplements
- D. Utilizing the PDR and/or a Drug Reference Book

VII. Informed Consent

- A. Battery
- B. Principles of Implied Consent and Informed Consent
- C. Informed Refusal

VIII. Principles of Instrument Sharpening

- A. Armamentarium Utilized for Sharpening
- B. Types of Stones
- C. Stationary Stone Moving Instrument Technique
- D. Stationary Instrument Moving Stone Technique
- E. Common Sharpening Errors
- F. Evaluating Sharpness of Instruments

IX. Powered Instrumentation

- A. Advantages and Limitations
- B. Sonic Scaler
- C. Piezo Scaler
- D. Magnetostrictive Scaler
- E. Selection and Purpose of Various Ultrasonic Tips
- F. Infection Control Techniques
- G. Proper Set up and Maintenance of the Magnetostrictive Scaler

X. Topical Fluoride Application

- A. Armamentarium
- B. Topical Caries Prevention Agents
- C. Technique for Applying
- D. Systemic VS Topical Agents
- E. Varnish as a Desensitizing Agent

Q. LABORATORY OUTLINE: Not applicable (students must co-register for DHYG 151)