

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



**COURSE OUTLINE**

**DHYG 155 – INFECTION CONTROL**

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

## DHYG 155 INFECTION CONTROL

- A. **TITLE:** INFECTION CONTROL
- B. **COURSE NUMBER:** 155
- C. **CREDIT HOURS:** 1
- D. **WRITING INTENSIVE COURSE:** NO
- E. **COURSE LENGTH:** 10 WEEKS
- F. **SEMESTER(S) OFFERED:** FALL
- G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:**  
1.5 HOURS OF LECTURE EACH WEEK
- H. **CATALOG DESCRIPTION:** This course provides an introduction to the microbial world. Students will receive an overview of the infectious diseases the dental team is potentially exposed to while providing treatment in the dental office, with a strong emphasis on hepatitis, tuberculosis, HIV, and the herpes viruses. Students will be presented with the rationale for practicing infection control procedures; including the use of appropriate PPE, proper equipment asepsis and instrument processing. Students will also gain experience developing various components an office safety program and quality assurance log. OSHA regulations and CDC guidelines provide the foundation for course content. A minimum grade of “C” is required.
- I. **PRE-REQUISITES/CO-COURSES:** Permission of 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 outcomes. This course provides foundational knowledge for completing dental hygiene competencies: 5.3, 6.2 and 6.3.

Course Learning Outcomes	Institutional Outcomes
1. Compare and contrast the government agencies responsible for developing guidelines and regulating infection control standards.	3. Prof. Competency
2. Describe the six links in the chain of infection and utilize critical thinking to identify work practice and engineering controls that can be utilized by the dental team to break the chain of infection and provide a safe environment for both the patient and the healthcare professional.	2. Critical Thinking 3. Prof. Competency
3. Identify the infectious diseases that can be transmitted in the dental environment.	2. Critical Thinking 3. Prof. Competency
4. List the components of a quality infection control policy.	3. Prof. Competency
5. Practice effective principals of infection control and safe handling of biohazardous materials in the clinical setting.	2. Critical Thinking 3. Prof. Competency

- K. **TEXTS:**  
Miller, C.H. and Palenik, C.J., Infection Control and Management of Hazardous Materials for the Dental Team, 5<sup>th</sup> Edition, Elsevier-Mosby, St. Louis, 2014.  
  
Infection Control Manual, written by dental hygiene faculty
- L. **REFERENCES:**

Organization for Safety & Asepsis Procedures - Monthly Focus Articles

Organization for Safety & Asepsis Procedures' "If Saliva Were Red" Video

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

M. **EQUIPMENT:** none

N. **GRADING METHOD:** A – F

A letter grade will be issued utilizing the following conversion table. 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

O. **MEASUREMENT CRITERIA/METHODS:**

Participation in Discussion Board Postings & Self Introduction  
Writing Assignments  
Practice Assessments in Angel  
Face to Face Quizzes  
Comprehensive Final Exam

P. **DETAILED COURSE OUTLINE:**

**I. Week #1**

- A. Exposure Determination
- B. PPE
- C. Handwashing Techniques
- D. Latex Sensitivity

**II. Week #2**

- A. Autogenous Infections
- B. Development of Infectious Diseases
- C. Six Links in the Chain of Infection
- D. Prophylactic Regimens
- E. Disinfection of Equipment
- F. Placement of Barriers

**III. Week #3**

- A. Government Agencies
- B. Aseptic Waterlines

**IV. Week #4**

- A. Immunity
- B. Hepatitis B Vaccine
- C. Post exposure Protocols

D. PEP

**V. Week #5**

- A. Bloodborne Pathogens
- B. Hepatitis A, B, C, D and E
- C. HIV/AIDS

**VI. Week #6**

- A. Oral & respiratory Diseases
- B. Herpes Viruses
- C. Tuberculosis

**VII. Week #7**

- A. Laboratory and Radiographic Asepsis
- B. Biological Testing

**VIII. Week #8**

- A. Instrument Decontamination
- B. Instrument Recirculation
- C. Packaging and Sterilization Procedures
- D. Use of Internal/External Indicators

**IX. Week #9**

- A. Waste Management
- B. OSHA Inspections
- C. Office Safety Requirements

**X. Week #10**

- A. Hazard Communication
- B. Material Safety Data Sheets

**Q. LABORATORY OUTLINE: Not applicable**