

NEW YORK CITY COLLEGE OF TECHNOLOGY
DENTAL HYGIENE DEPARTMENT

Course Title: Principles of Dental Hygiene Care II

Course Code: Den 1200/1200L

Term: Spring 2016

Coordinator: Prof. S. Nilsen-Kupsch-Seminar and Clinic

Instructors: Dental Hygiene Faculty

Office Hours: Monday's 2-3pm, Tuesday's 5-6pm

Email: snilsen-kupsch@citytech.cuny.edu

Class Sessions: 1 per week

Laboratory Session: 2 per week (total of 8 hours)

Credits: 4

Prerequisite: Den 1100/1100L, Den 1112, Den 1114

Co-requisites: Den 1217, Den 1218

Required Text: Wilkins, Esther; **Clinical Practice of the Dental Hygienists, 11th Edition**, 2008, Lippincott, Williams and Wilkins, Phil., PA
ISBN 978-0-7817-6322

Nield-Gehrig, **Fundamentals of Periodontal Instrumentation 7th Edition** ISBN 978-0-7817-6992-1

New York City College of Technology Department of Dental Hygiene Student Manual

Optional: Prager, R., Grosso, G., **DH Notes: Dental Hygienist's Chairside Pocket Guide** 2011 ISBN 10:0-8046-25413

Course Description:

Den 1200/1200L is a continuation of the principles and techniques involved in the practice of dental hygiene as introduced in Den 1100/1100L. This course focuses on the student transition into clinical practice. Development of clinical skills continues with introduction of ultrasonic instrumentation, pain control techniques, and fluoride application. Students render dental hygiene services to patients in a clinical setting. Patient assessment skills along with dental hygiene diagnosis and treatment planning are cultivated as well.

Course Objectives: Den 1200L

The student will:

1. prepare for transition into clinic.

DISCIPLINE KNOWLEDGE

2. apply and develop basic instrumentation skills for all instruments used and auxiliary equipment used in patient treatment including instrument selection, stabilization, adaptation, angulation, and activation techniques. (C.9, 10)

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Process skills-memorization

3. complete hard and soft deposit removal according to faculty guidelines. (C 9)

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Oral communication- listening

Process skills-memorization

4. demonstrate proper operator and patient positioning throughout treatment.

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Process skills-memorization

5. with instructor guidance, develop the following assessment and treatment planning skills; (C 9) (PC 1)

- a. collect data and evaluate medical and dental histories
- b. accurately take, assess, and record vital signs on their patients
- c. perform extraoral and intraoral examinations
- d. differentiate and describe healthy and unhealthy gingival conditions
- e. recognize pathologic lesions and accurately describe them using proper medical terminology

- f. recognize and chart all missing and malposed teeth, restorations, and dental prostheses
- g. classify occlusion and recognize various dental malrelationships
- h. select appropriate radiographic examinations based on established guidelines
- i. detect caries and periodontal disease through radiographic and clinical examinations
- j. perform specified plaque indices
- k. perform comprehensive periodontal charting
- l. formulate individualized dental hygiene care plans for clinical patients.

DISCIPLINE KNOWLEDGE

GEN ED SLO'S GEN ED SLO'S

Oral communication- listening, writing (technical), speaking

Visual-graphic representation

Process skills-memorization

Ethical values-professional ethics

- 6. exhibit professional demeanor at all times. (C1)

GEN ED SLO'S

Ethical values-professional ethics

- 7. explain the process of fluoride application and administer topical fluorides on clinic patients when deemed necessary. (PC 4)
 - a. compare and contrast professional topical fluorides; neutral sodium, acidulated phosphate, 5% sodium fluoride varnish.
 - b. administer a professional topical fluoride application using the tray method.
 - c. identify the different forms of fluorosis
 - d. identify the signs and symptoms of acute fluoride toxicity
 - e. list emergency treatment procedures for acute fluoride toxicity.
 - f. differentiate the causes of acute and chronic toxicity

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Process skills-memorization

Oral communication- listening, speaking, written

- 8. discuss the principles of ultrasonic cleaning and perform ultrasonic instrumentation on clinic patients (PC 4)
 - a. identify the different types of power-driven scalers
 - b. identify the anatomy of an ultrasonic insert and tip
 - c. identify different types of ultrasonic tip designs'
 - d. state the advantages and disadvantages of ultrasonic scaling devices
 - e. prepare the cubicle for ultrasonic scaling procedures

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Process skills-memorization

Oral communication- listening, speaking, written

9. discuss and perform ancillary clinical procedures including; caring for dental appliances and applying topical anesthetics. (PC 4)
 - a. list the qualities of an ideal anesthetic
 - b. differentiate topical anesthetics and the role of each in pain management
 - c. how to document the use of a topical anesthetic
 - d. understand the difference between pain perception and pain reaction

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Process skills-memorization

Communication-written

10. discuss selected topics regarding ethics and professionalism (C 1)
 - a. be able to differentiate between ethical dilemma and an ethical issue

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Communication-written

Oral communication-listening

Reading-technical

Ethical values-professional ethics, intellectual integrity

11. demonstrate an understanding of oral physiotherapy aids and methods for health promotion and disease prevention by: (HP 5) (HP 4) (PC 1)
 - a. discussing the influencing factors for the selection of the appropriate toothbrush for the patient
 - b. stating the purposes, indications, techniques and problems for the various tooth brushing methods.
 - c. stating the purposes, indications and precautions for using various power assisted toothbrushes.
 - d. stating the importance of interdental plaque removal for optimum oral health.
 - e. describing the various objectives for interdental aid, including floss, tufted floss, interdental brushes, and wooden interdental cleaners.
 - f. stating the influencing factors in dentifrice selection.

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Communication-written

Oral communication-listening

Reading-technical

12. understand the principles of learning and motivation by: (PC 2)
 - a. discussing Maslow's hierarchy of human needs and its relevance to motivation and patient education.
 - b. describing the three types of learning and being able to give an example of each including cognitive, affective and psychomotor.
 - c. describe factors which affect learning and motivation
 - d. describing how patient education is individualized through the process of assessment, planning, implementation and evaluation
 - e. discussing the characteristics of effective teaching including small steps, immediate feedback, active participation, and self-pacing.

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Communication-written

Oral communication-listening

Reading-technical

Process skills-memorization

Ethical values-professional ethics

13. understand the elements of a research paper and be able to conduct a literature review and critique.
 - a. identify the sections of the research report that most scientific journals use; Abstract, Introduction, Methods and Materials, Discussion, Summary and Conclusion.
 - b. state the sources that should be used to access the dental literature, including, electronic databases, and dental libraries.
 - c. explain why it is important to evaluate whether the purpose is clearly stated
 - d. be able to evaluate whether the experimental design is clearly described and appropriate.
 - e. state why the oral health practitioner should review the qualifications of the authors.
 - f. able to understand the terms reliability and validity as it relates to assessment scoring.
 - g. explain the importance of evaluating whether the interpretations and conclusions logically follow the experimental findings.

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Communication-written

Oral communication-listening

Reading-technical

Ethical values-professional ethics, intellectual integrity

14. utilize information from literary critique to design a table clinic poster for presentation to the City Tech community

DISCIPLINE KNOWLEDGE

GEN ED SLO'S

Communication-written

Visual-graphic representations

Oral communication-listening, presentation

Reading-technical

Ethical values-professional ethics, intellectual integrity

GEN ED STUDENT LEARNING OUTCOMES

Degree of Mastery - Introductory

Reinforced in: 2300, 2300L, 2400, 2400L.

Upon completion of the dental hygiene program, students will have acquired the following General Education Student Learning Outcomes:

- A. Knowledge: develop a breadth of discipline knowledge and acquire tools for lifelong learning.
- B. Skills: Communication - technical reading, listening, speaking effectively,
Visual: graphic representation
Process skills - writing and memorization
- C. Values, Ethics – Professional Development, Intellectual integrity & professional ethics

COURSE REQUIREMENTS:

All required competencies for DEN 1100/1100L must be satisfactorily demonstrated (>75%) immediately preceding enrollment in this course. Passing DEN 1100/1100L in the semester immediately preceding this course will serve to satisfy this requirement. If for any reason, there is a break in continuity of consecutive semester attendance, a separate evaluation process for competencies will be required and enrollment will then only be permitted on a space available basis.

Current CPR

Hep B Vaccine

Flu shot

Attendance at guest lecture events

Assigned readings and on-line assignments

Participation in classroom and laboratory activities

Maintaining an on-line clinical journal

Providing dental hygiene services to patients in the NYCCT Dental Hygiene Clinic

Conducting a literature review to be presented as a table clinic

ONE SET OF BITEWING RADIOGRAPHS USING TABS

Providing patients for clinical sessions:

Students are responsible for providing a patient for each clinical session. This semester you are required to complete 4 patients with a medium case value/any periodontal classification and 2 heavy case value/any periodontal classification.

COURSE POLICIES:

In accordance with the Dental Hygiene Department policy, all students are responsible to read the student manual and to be familiar with the policies on attendance, punctuality, attire, pregnancy and professionalism.

Attendance

Attendance is the responsibility of the student. Participation in class discussions, collaborative learning activities, and clinical practice requires the student's presence in both the classroom and clinic.

Development of the fine motor skills utilized in periodontal instrumentation requires continual practice. Please note that the number of hours per week the student must spend developing their clinical skills is specified by the Committee on Dental Accreditation (CODA) guidelines, therefore, if the student fails to meet these minimum requirements, he/she cannot advance to the next clinical level.

DEN 1200 **seminar** = 1 absence

DEN 1200L **clinical sessions** = 2 absences **or** 2 PNP's **or** combination of 1 absence and 1 PNP.

The DEN 1200 course has a beginning date and an end date. Students are responsible to complete all their clinical requirements by the end of the course.

All **incomplete requirements** will be reflected in the final grade as a deduction of **-10 points per requirement**. In the event that this point value deduction results in a grade below 75, the student will NOT be allowed to progress and will follow the dental hygiene department course repeat policy as specified in the student manual.

Clinic responsibility and Patient No Show Policy (PNP)

When a student's patient does not show (PNP) for their dental hygiene appointment, the student is required to remain in clinic for **2.5 hours and NOT permitted to leave clinic without faculty permission**. In the event the student cannot secure a patient, the student will be assigned by the group instructor to assist at the reception desk, central supply area, or to assist fellow students.

If the student DOES find a patient within the 30minute timeframe, no PNP exists. If the student DOES find a patient but after the 30minute timeframe, the student can proceed with data collection. Faculty will use a grading grid in the back of the clinic binder to detail clinic session. This still counts as a PNP and needs to be made up.

Lateness

Students will be considered late for clinic if they are not dressed in the prescribed clinical attire and their cubicle is not prepared to receive a patient at the start of their clinic session.

Any student who is not present in clinic 15 minutes prior to the scheduled seating time of a patient will be marked late. Students who are habitually late will incur the

following point deductions off their final grade under the category of Professionalism.

- 3 lateness = -1 point
- 4-6 lateness = -5 points
- >7 lateness = -10 points

Evaluation Criteria and Grading:

A variety of learning experiences will be used, including but not limited to power points, lectures, videos, blackboard collaborative, demonstrations, and role-playing, to accomplish the stated learning objectives.

As per the departmental guidelines, all the DEN Clinical courses have 2 components. Part A (clinic) and Part B (didactic) **MUST** be passed independently (**with a 75% in each**) in order to pass this course.

The calculation of the Den 1200 grade will be as follows:

Component A (clinic grade) x 50%

} **FINAL GRADE**

Component B (seminar grade) x 50%

| Component A-CLINIC | | Component B-SEMINAR | |
|---|------------|--------------------------------|------------|
| Calculus Detection Exam | 20% | Literature Review paper | 15% |
| Prevention Exam | 20% | Table clinic | 15% |
| Clinical Skills Exam | 20% | Seminar Exams 1 | 15% |
| Ultrasonic competency | 20% | Seminar Exam 2 | 15% |
| Daily clinic grades * | 20% | Final Exam | 30% |
| *All clinic grades will be totaled and divided by number of clinic sessions to arrive at a daily clinic average | | On Line Journals (3) | 10% |
| | | (each worth 3.33% each) | |

If the student does not pass each component with a 75% a grade of “D” will be given and the student will not be allowed to progress in the program until the course is repeated and passed.

****For each requirement NOT completed by the end of the semester, 10 points will be deducted from your final grade.**

| Letter Grade | Grade Range | Points (QPA) |
|--------------|----------------|--------------|
| A | 93-100 | 4.0 |
| A- | 90-92.9 | 3.7 |
| B+ | 87-89.9 | 3.3 |
| B | 83-86.9 | 3.0 |
| B- | 80-82.9 | 2.7 |
| C+ | 77-79.9 | 2.3 |
| C | 70-76.9 | 2.0 |
| D | 60-69.9 | 1.0 |
| F | 59.9 and below | 0.0 |

EXAMINATIONS:

Clinical skills examinations will be given during the semester on patient (s) provided by the student. Patient selection criteria are listed on each clinical competency that is posted on blackboard for the students to review. Faculty must agree with student for clinical test to proceed, time permitting or authorize for future session.

Written examinations, during seminar, will be given encompassing all the information presented in clinic and seminar.

Seminar Examination Procedures:

All students are:

1. Expected to take the seminar exams at the scheduled times.
2. In the event of an unforeseen emergency, the student is to e-mail the instructor and upon returning to school provide medical or legal documentation to support the absence from the examination. Students who provide acceptable documentation to the instructor will be scheduled to take a “make-up” examination. Make up exams may be in a different format, and may be more difficult than the original test. Every effort should be made to take tests on the scheduled day and time.
3. Students who arrive late to examinations will not be given extended time and will be expected to complete the exam in the remaining scheduled exam time.
4. Students who miss an exam and do not provide acceptable documentation will receive a **Zero (0) grade** for that examination.

5. **CHEATING-** Penalty for a student observed cheating will be a **Zero (0) grade** for that test **PLUS ten (10) points off the final grade** for professionalism. Plus the student will be reported to the College Academic Integrity Committee who will determine the penalty for this offense.
**** If this grade results in a failing grade the student will NOT be allowed to progress and will follow the dental hygiene department course repeat policy as specified in the student manual.**

Dental Hygiene Department Policy on Retesting

No student in any dental hygiene course will be retested in any examination for any reason. A failing grade on a quiz/examination will remain and be averaged with all other course grades.

Professionalism

As per the Student Manual the following will be taken into consideration in determining the final grade: rapport with instructors, peers and patients; punctuality, grooming, proper care and use of clinic equipment; ethical management and treatment of patients; adherence to established procedures and behaviors; and unethical or unprofessional behavior (stealing, cheating, and lying)

Ten (10) points may be deducted from the final grade for noncompliance with the above standards of professionalism and in the event that this point deduction creates a grade below 75, the student will **not** be allowed to progress and will follow the DH course repeat policy in the student manual.

Academic Integrity

New York City College of Technology Policy on Academic Integrity states that students and all others who work with information, ideas, texts, images, music, inventions, and other intellectual property owe their audience and sources accuracy and honesty in using, crediting, and citing sources. As a community of intellectual and professional workers, the College recognizes its responsibility for providing instruction in information literacy and academic integrity, offering models of good practice, and responding vigilantly and appropriately to infractions of academic integrity. Accordingly, academic dishonesty is prohibited in The City University of New York and at New York City College of Technology and is punishable by penalties, including failing grades, suspension, and expulsion. The complete text of the College policy on Academic Integrity may be found in the catalog.