
COURSE PREFIX/NO:	DAT 154
COURSE TITLE:	Clinical Procedures I
LECTURE HRS/WK.:	2.0
LAB HRS/WK.:	0.0
CLINIC HRS/WK.:	6.0
CREDIT HRS/SEMESTER:	4.0

COURSE DESCRIPTION

This course prepares a student to assist a dentist efficiently in four-handed dentistry. Emphasis will be on the names and functions of all dental instruments, the principles involved in their use and the assistant's role in dental instrumentation.

COURSE COMPETENCIES

Upon successful completion of DAT 154, the student will be competent to perform the following:

Module One – Dental Office and Equipment

1. Identify and state the uses of all dental equipment
2. Demonstrate proper utilization of all dental equipment during dental procedures.

Module Two – Infection Control and Hazard Control

1. Analyze the various causes of cross-contamination in a dental office and apply the proper sterilization procedures and infection control measures.
2. Discuss the proper protocol for hazard control in the dental office.
3. Follow the standards and guidelines of OSHA for dentistry.

Module Three – Positioning for the Dental Team

1. Demonstrate proper procedures in seating and dismissing the dental patient.
2. Identify the range of motions for the dental assisting during four-handed dentistry and identify the work zones for four-handed dentistry.
3. Explain the principles of ergonomics in relation to dental assisting.

Module Four – General Dentistry

1. Discuss the steps in a cavity preparation
2. Explain the procedures for an amalgam restoration.
3. Explain the procedures for a composite restoration.
4. Discuss the procedures for a complex restoration.
5. Discuss the procedures for veneers.

Module Five – Dental Hand Instruments

1. Identify and state the use of instruments in the basic set-up.
2. Identify restorative instruments (amalgam and composite).
3. Identify hand cutting instruments.
4. Identify accessory instruments.
5. Identify parts of an instrument.

6. Demonstrate proper grasp and fulcrum of instrumentation.
7. Demonstrate proper use of dental mirror, explorer, and cotton pliers.

Module Six – Dental Handpieces and Rotary Instruments

1. Identify and manipulate dental handpieces and rotary instruments.
2. Demonstrate proper maintenance and sterilization of high-speed and low-speed handpieces and attachments.

Module Seven – Four-Handed Dentistry

1. Demonstrate proper moisture control techniques to include tri-syringe, cotton roll, dri-angle, HVE (high velocity evacuation), dental dam, and saliva ejector.
2. Identify the types of local and topical anesthetic used in dentistry.
3. Demonstrate proper assembly and disassembly of the anesthetic syringe.
4. Explain the technique for placement of topical anesthetic.
5. Demonstrate proper assembly of all types of matrixes.
6. Demonstrate correct instrument transfer using correct positioning. (Include operator, patient, and light positions)

Module Eight – Patient Assessment

1. Review and discuss the health history with patients.
2. Identify the ASA classification.
3. Demonstrate proper technique for taking and recording vital signs.
4. Perform an intraoral and extraoral assessment (includes dental charting).
5. Document treatment provided and maintains documentation in patient records.

EVALUATION STRATEGIES

Testing

Students will be evaluated on each module with at least one written test. Clinical Identification tests will be given with modules that require identification of instruments and/or equipment. The written tests will be multiple choice, matching, and theory application questions (essays). **An adequate amount of time will be given to take each test.**

The CIT's (Clinical Identification Test) will include written identification of specific equipment, instruments, materials, etc., and may be accompanied by short answer questions.

All students are required to successfully complete Competency Certifications of dental assisting skills to a 70% competency. No grades will be dropped

Written tests that are accompanied by CIT's will be given during the first 1-1/2 hours of the clinical/lab period.

Formative and Peer Evaluations

Each skill will be demonstrated by an instructor. Students will have time to practice and conduct peer evaluations. Instructors will conduct a formative evaluation of the skill performed. Formative evaluation will provide non-graded feedback to the student. Students will be encouraged to remediate any skill prior to competency evaluations outside of designated clinic hours.

Corroborative Practicum

Corroborative Practicum will be administered at the end of the semester. Two instructors will evaluate each student simultaneously and meet to discuss the final grade. The evaluations from two instructors are tallied (deductions are based on agreement between the two instructors) and averaged together to determine the grade.

Infection Control Exam

Students are required to take the Dental Assisting National Board Infection Control Exam. Applications can be accessed online at DANB.org and must be submitted by the assigned date.

GRADING

The final grade for DAT 154 will be determined as follows: 70% proficiency or above must be met in BOTH Lecture and Lab in order to continue in the Dental Assisting Program.

Lecture:

Written Tests 50%

Pre-clinical Lab

CIT and Clinical Competencies 50%
100%

GRADE SCALE FOR DENTAL ASSISTING LECTURE COURSES

A	100 -90
B	89 -80
C	79 -70
D	69 - 60
F	59 and below

****THERE WILL BE NO ROUNDING UP OF GRADES****

ATTENDANCE

Students are responsible for attending all scheduled meetings in the courses in which they are enrolled until they have completed all course requirements. Students are responsible for all materials covered and for all assignments made in classes. Students who are absent from a class more than 10 percent of the hours assigned may be withdrawn. Three tardies constitutes one absence.

In other words, if a student misses lecture and laboratory periods which when combined equals 10 percent of the total class periods prior to midterm, then he/she may be withdrawn and given a "W." However, if the number of absences is exceeded after midterm, the student may be assigned a "W" or a "WF." The "WF" indicates student was withdrawn after midterm and was making unsatisfactory progress at the point of withdrawal. The instructor can give a "W" after midterm if academic progress is satisfactory to that point.

ACADEMIC INTEGRITY

The student is bound to uphold the academic integrity policy stated in the York Technical College Catalog Handbook and the signed agreement with the Dental Health Professions Department.

MINIMAL STANDARDS

The minimal average for the Expanded Duty Dental Assisting Program is an average of 70% in all areas of competency.

ENTRY-LEVEL SKILLS: Satisfactory completion of the prerequisites.

PREREQUISITE: Acceptance into the Dental Assisting Program

CO-REQUISITES: DAT 112, DAT 115, DAT 113, DAT 118, DAT 121

Disabilities Statement: Any student who feels she/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR)) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.