

# Dakota County Technical College

## DENT 1275: Chairside Assisting II

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 3

Lab Hours/Week: 1

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course furthers knowledge of chairside assisting duties by presenting tray set-ups and the restorative process to help further the development of basic skills of four handed dentistry. This course also introduces basic concepts of the different specialities in dentistry, including orthodontics, oral surgery, endodontics, pediatrics, prosthodontics, and oral pathology. The student will be taught to identify the instruments, materials, and procedures needed to gain skills in assisting the dentist with each speciality.

**B. COURSE EFFECTIVE DATES:** 10/14/2010 - Present

**C. OUTLINE OF MAJOR CONTENT AREAS**

## **D. LEARNING OUTCOMES (General)**

1. Provide the pre- and post operative instructions prescribed by a dentist
2. List the names and specific types of dental handpieces
3. Describe care and management of dental handpieces and rotary instruments
4. Identify the various types and shape of rotary cutting instruments used with dental handpieces
5. Identify types, shapes and uses of dental rotary cutting instruments, discs and mandrels
6. Demonstrate proper assembly of gear driven instruments
7. Describe characteristics of amalgam, composite and cast restorations
8. Identify the steps in the placement and finishing of an amalgam restoration
9. Identify sequence of steps in the placement and finishing of a composite restoration
10. Discuss proper occlusion, contour, contact point and embrasure in the placement of a restoration
11. Demonstrate preparation, transfer, placing wedging and removing a tofflemire matrix retainer
12. List instrumentation needed for an amalgam tray setup
13. List instrumentation needed for a composite tray setup
14. Demonstrate the principle of four-handed dentistry when assisting with restoration
15. Perform the proper technique of infection control with all dental specialties
16. Exhibit professional dress code requirements
17. Demonstrate operatory clean up and preparation
18. Demonstrate competency in the personal use of protective barriers including gloves, masks and eyewear
19. Display professional, ethical and moral conduct in a clinical setting
20. List the responsibilities of an orthodontic practice
21. Discuss indications and contraindications of orthodontic treatment
22. List factors that affect malocclusion
23. List the phases of orthodontic treatment
24. Discuss behavior management in the pediatric practice
25. Discuss aspects of pediatric preventive dentistry
26. Discuss operative and specialty procedures used in pediatric dentistry
27. Describe removable and fixed prosthodontic appliances
28. List indications and contraindications for prosthetic appliances
29. List the steps in fixed and removable prosthodontic procedures
30. List the major responsibilities of the dental assistant in the prosthodontics office
31. List indications and contraindications of endodontic treatment
32. Describe diagnosis and treatment planning appointments in endodontic treatment
33. Identify the different types of periodontal disease
34. Discuss non-surgical vs. surgical periodontal treatment
35. List periodontal diagnostic procedures
36. Describe the responsibilities of the dental assistant in the periodontal practice
37. Describe types of oral lesions
38. Identify disturbances in jaw and dental development
39. Describe conditions and disorders of the tongue
40. Describe the different types of extractions
41. Define various surgical procedures
42. Discuss the two types of implants
43. Define the dental assistant role in suture placement and removal
44. Discuss the phases of oral surgery, step by step

44. Discuss the phases of oral surgery, step by step
45. Describe infection control protocol in the oral surgery practice
46. Identify instruments for each specialty
47. Describe tray setups for each specialty

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted