

HIBBING COMMUNITY COLLEGE COURSE OUTLINE

COURSE NUMBER & TITLE: DAS1525: Expanded Duties 1

CREDITS: 3 (1 Lec / 2 Lab)

PREREQUISITES: Admittance into Dental Assisting Program or current Certification

CATALOG DESCRIPTION:

Expanded Duties 1 covers skill development and knowledge of the legal Expanded Duties for Dental Assistants in the State of Minnesota.

OUTLINE OF MAJOR CONTENT AREAS:

- I. Minnesota expanded functions
 - A. Minnesota Board of Dentistry Exam requirements
 - B. Hibbing Community College clinical requirements
 - C. Hibbing Community College clinical evaluation forms
 - D. Minnesota licensed Dental Assistant legalities
- II. Oral prophylaxis
- III. Coronal polish
 - A. Anatomical crown
 - B. Clinical crown
- IV. Deposits
 - A. Soft
 - 1. Acquired pellicle
 - 2. Plaque
 - 3. Materia alba
 - 4. Food debris
 - B. Hard: calculus
 - C. Stains
 - 1. Extrinsic
 - 2. Intrinsic
 - a. Endogenous
 - b. Exogenous
- V. Polishing Agents
 - A. Abrasives
 - 1. Particle grit
 - 2. Rate of abrasion
 - a. Amount of abrasive used
 - b. Amount of pressure
 - c. Amount of speed
 - 3. Commercial preparations
 - 4. Flour of pumice

- 5. Silex (silicone dioxide)
- 6. Zirconium Silicate
- B. Polishing pastes
 - 1. Tin oxide
 - 2. Chalk (whiting)
- VI. Coronal Polish armamentarium
 - A. Basic set-up
 - B. Handpiece
 - 1. Prophy angle
 - 2. Contra angle
 - a. Prophy cups
 - b. Bristle brushes
 - 3. Operation
 - a. Grasp
 - b. Fulcrum
 - c. Speed
 - C. Polishing procedure
 - 1. Operator positioning
 - 2. Patient position
 - 3. Rotary instrument technique
 - 4. Interproximal cleaning (flossing)
 - 5. Care of dental appliances
 - 6. Sterilization and aseptic technique
 - D. Polish evaluation
 - 1. Plaque and stain removal
 - 2. Soft tissue evaluation
- VII. Fluoride
 - A. Systemic
 - 1. Forms
 - a. Pill
 - b. Chewable tablet (dual action)
 - c. Rinses
 - 2. Application
 - a. Swallow
 - b. Chew and rinse
 - c. Rinse
 - B. Topical
 - 1. Forms
 - a. Rinse
 - b. Gel
 - c. Foam
 - d. Varnish
 - 2. Application
 - a. Tray
 - b. Rinse
 - c. Paint on

- C. Evaluation
 - D. Safety
 - 1. Patient
 - 2. Operator
- VIII. Pit and Fissure Sealants
- A. Etchant (phosphoric acid)
 - 1. Liquid
 - 2. Gel
 - B. Sealant
 - 1. Chemical cure
 - 2. Light cure
 - C. Sealant procedure
 - D. Evaluation
- IX. Rubber Dam
- A. Purpose
 - B. Armamentarium
 - 1. Rubber dam material
 - a. Latex
 - b. Non-latex
 - 2. Rubber dam stamp or template
 - 3. Rubber dam frame
 - a. Young frame
 - b. U-frame
 - c. Ostby frame
 - 4. Rubber dam punch
 - 5. Rubber dam clamps
 - 6. Rubber dam forceps
 - 7. Rubber dam napkin
 - 8. Ligatures
 - C. Rubber dam placement
 - 1. Variations
 - a. Missing teeth
 - b. Use of anterior clamp
 - c. Use of Wedjets
 - 2. Alternative for latex-hypersensitive patients
 - D. Removal of rubber dam
 - E. Evaluation
- X. Topical medications
- A. Cavity varnishes
 - B. Topical anesthetics
 - C. Antimicrobial rinse
 - D. Hydrogenating agents
 - E. Desensitizing agents

COURSE GOALS/OBJECTIVES/OUTCOMES:

Students will

1. display professionalism.
2. identify Minnesota Expanded Duties.
3. identify MN Licensure exam requirements.
4. state HCC clinical requirements.
5. demonstrate clinical professionalism.
6. identify HCC clinical evaluation forms.
7. state MN licensed dental assistant legalities.
8. identify oral prophylaxis.
9. identify coronal polish.
10. define deposits & stains.
11. state abrasives and polishing agents.
12. list coronal polish armamentarium.
13. demonstrate coronal polish technique.
14. identify fluoride.
15. demonstrate topical fluoride application.
16. identify pit and fissure sealants.
17. demonstrate sealant procedure.
18. describe rubber dam use.
19. identify rubber dam armamentarium.
20. demonstrate rubber dam.
21. discuss topical medications.

MNTC GOALS AND COMPETENCIES MET:

N/A

HCC COMPETENCIES MET:

Working Productively and Cooperatively

Communicating Clearly and Effectively

Thinking Creatively and Critically

Social/Civic Responsibility

STUDENT CONTRIBUTIONS:

Attendance is crucial in this class. The student is expected to attend all lectures and working sessions, participate and implement input into class discussions, and hand in lab projects and outside assignments when due.

**STUDENT ASSESSMENT SHALL TAKE PLACE USING INSTRUMENTS
SELECTED/DEVELOPED BY THE COURSE INSTRUCTOR.**

**SPECIAL INFORMATION: (SPECIAL FEES, DIRECTIVES ON HAZARDOUS
MATERIALS, ETC.)**

AASC APPROVAL DATE: September 17, 2014

REVIEW DATE: September 2019

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