ROCHESTER COMMUNITY AND TECHNICAL COLLEGE

COMMON COURSE OUTLINE

Course discipline/number/title: DA 1250: Dental Science II

A. CATALOG DESCRIPTION

1. **Credits: 3**
2. **Hours/Week: 3**
3. **Prerequisites (Course discipline/number**): DA 1210
4. **Other requirements:** None
5. **MnTC Goals (if any):** NA

B. COURSE DESCRIPTION. This course is a course with four separate focuses. Introduction to anatomy and Physiology component will include an overview of the body layout and each body system. Dental Charting will teach the student how to correctly record patient information, chart oral conditions, and services rendered. Oral Pathology reviews disease processes and dental disease conditions. Dental Pharmacology reviews a study of common drugs and therapies used in dentistry.

C. DATE LAST REVISED (Month, year): September, 2021

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Introduction to Anatomy and Physiology
2. Dental Charting
3. Oral Pathology
4. Dental Pharmacology

E. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Define anatomy terms.
2. Describe body organization.
3. Locate body planes and cavities.
4. Describe cell structure and function.
5. Describe epithelial, nerve, connective and muscle tissues and their functions.
6. Describe the skeletal/ muscular/ integumentary/ nervous/ sensory/ circulatory/ digestive/ respiratory/ endocrine/ lymphatic /reproductive system structure and function.
7. State the purposes of accurate dental charts.
8. Identify current methods of charting and styles of dental charts to include correct terminology.
9. Identify and describe the parts of a patient chart.
10. Effectively employ the Universal, Palmer and International charting symbols.
11. Define the six classifications of cavity preparations.
12. Explain color indications used in charting.
13. List required charting content.
14. Identify charting symbols.
15. Chart dental restoration, periodontal conditions, and caries.
16. Transcribe patient general, medical, and dental information.
17. Record services rendered.
18. Define pathology, symptom, sign, syndrome.
19. Describe body defense mechanisms, allergic response, disease etiology.
20. Describe atrophy, hypertrophy, hypoplasia, and hyperplasia, neoplasia and necrosis.
21. Classify oral lesions.
22. Describe tooth development disturbances.
23. Describe dental decay and treatment.
24. Describe periodontal disease and treatment.
25. Describe soft tissue/bone development disturbances to include oral cancer diagnosis/treatment and TMD.
26. Define pharmacology terms/drug references/regulations/prescriptions.
27. Recognize chemical dependency/drug abuse signs and symptoms.
28. Describe drug effects, drugs used in dentistry and modifying conditions of drug actions used in dentistry.
29. Describe local anesthetics, general anesthetics, conscious sedation used in dentistry.

F. LEARNING OUTCOMES (MNTC): NA

G. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:

1. Weekly written quizzes
2. Dental charting quizzes (both Oral and Written)
3. Charting Final Examination
4. Comprehensive Final Examination

H. RCTC CORE OUTCOME(S). This course contributes to meting the following RCTC Core Outcome(s): **Critical Thinking,** Students will communicate appropriately for their respective audiences.

I. SPECIAL INFORMATION (if any):