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| COURSE PREFIX/NO: | DHG 125 |
| COURSE TITLE: | Dental Anatomy & Morphology |
| LECTURE HRS: | 1.0 |
| LAB HRS: | 3.0 |
| CREDIT HRS/SEMESTER: | 2.0 |

[Distance Learning Attendance/VA Statement](#)
[Textbook Information](#)

COURSE DESCRIPTION:

This course covers the embryogenesis and histology of the head and neck structures with primary emphasis on the oral cavity. The formation, eruption patterns, and morphology of primary and permanent dentitions are studied.

COURSE COMPETENCIES

Module One – Nomenclature, names of teeth and coding systems: Primary Teeth and Eruption Schedules

1. Demonstrate a thorough working knowledge of anatomical and morphological nomenclature, as applied to the human dentition.
2. Identify and describe the individual parts of a tooth, names of the teeth, functions, coding systems, surfaces and root structures of individual teeth.
3. Describe the morphology of the primary dentition and the differences between primary and permanent dentition.
4. Be familiar with eruption patterns of the primary and permanent teeth

Module Two – Incisors and Canines

1. Demonstrate a thorough working knowledge of the anatomical landmarks, crown form, root anatomy and functions of incisors and canines.

Module Three – Premolars

1. Demonstrate a thorough working knowledge of the anatomical landmarks, **crown form**, root anatomy and functions of premolars.

Module Four – Molars

1. Demonstrate a thorough working knowledge of the anatomical landmarks, crown form, root anatomy and functions of molars.

Module Five – Dental Embryology

1. Be familiar with the development of the face and neck and associated developmental disturbances.
2. Be familiar with the development of the orofacial structures and the developmental disturbances associated with these structures.

Module Six – Histology and Tooth Development

1. Describe the stages of tooth development, root formation, eruption, and the anomalies that can occur during this time.
2. Discuss the apposition, maturation and components of enamel.
3. Discuss the components and types of dentin.
4. Discuss the development of cementum, and be familiar with the different types of cementum.

MINIMAL STANDARDS

The minimal average for the Dental Hygiene Program is 80%

ATTENDANCE

Refer to the York Technical College Student Catalog & Handbook for attendance policies.

ACADEMIC INTEGRITY

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

METHODS OF INSTRUCTION

Lecture
Discussions
Overhead Projections
Plastic Models
Extracted Teeth
Articulated Models
Reading Assignments
Identification of Teeth

EVALUATION STRATEGIES

Students will be evaluated in DHG 125, Dental Anatomy and Morphology, by taking written tests for the lecture sessions. Quizzes will also be used periodically as an evaluation tool to reinforce the material given during the lecture. The tests and quizzes will be constructed with multiple choice, matching, true and false statements, and several theory application (short essay) questions. The lab portion of DHG 125 will be evaluated by the completion of the Dental Anatomy identification and labeling of teeth and teeth structures. Students will be given an appropriate amount of time to take the test based on content.

LAB REQUIREMENTS

Each student will be required to identify teeth and label accurately as outlined in the lab objectives.

GRADING

The final grade for DHG 125 will be determined as follows:

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|---------------|------------|
| Written Tests | 80% |
| Lab | <u>20%</u> |
| | 100% |

Grading Scale: A minimum grade of 80% must be earned in DHG 125 to meet course and program requirements.

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|--------------|---|
| 100 - 94 | A |
| 93 - 87 | B |
| 86 - 80 | C |
| 79 - 73 | D |
| 72 and below | F |

ATTENDANCE

If students are absent for more than 10% of the scheduled classes, they may be withdrawn. Three tardies constitute one absence.

Withdrawal before midterm = "W"; Withdrawal after midterm = "WF"

PREREQUISITE: Admission into the Dental Hygiene Program

CO-REQUISITE: DHG 154

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

