COURSE INFORMATION FORM

DISCIPLINE          Allied Health / DENA
COURSE TITLE        Dental Anatomy

CR.HR           2  LECT HR.   1.5  LAB HR.   1  CLIN/INTERN HR.  _________  CLOCK HR.  ________

CATALOG DESCRIPTION
This course introduces students to various dental science topics such as a detailed study of crown and root morphology of both primary and permanent dentition, supporting oral structures, eruption schedule and numbering system. It also provides an understanding of the embryonic development of the orofacial structures, tooth development (oral embryology) and histology.

PREREQUISITES
Formal Admission into the Dental Assisting Program, DENA 100, ENGL 101

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:
1. Sketch the Primary and permanent teeth.
2. Explain the sequence of eruption, normal occlusion and Angle’s classification of malocclusion.
3. Identify the teeth using the Universal/national system, ISO and Palmer system for numbering.
4. Identify the landmarks of the teeth.
5. Define the basic embryologic development and histology of orofacial structures and teeth.
6. Describe the stages in the development of a tooth, the different types of oral mucosa and tissues of the teeth.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes  ESO

Revised 12/9/13
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

2. Apply foundational knowledge of basic dentistry.
   • Demonstrate knowledge of human and dental development.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written Examinations, 1-6
2. Assignments, 1-6
3. Quizzes, 1-6
4. Lab Competencies, 1-6
5. Drawings, 1-6
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Tooth Morphology
   A. Types and Functions of Teeth
   B. Tooth Structure
   C. Tooth Tissues
   D. Supporting Structures
   E. Surfaces of Teeth
   F. Anatomic Landmarks of Teeth
   G. Drawing Teeth
   H. Preventive and Fundamental Curvatures

II. Primary, Permanent and Mixed Dentition
   A. Tooth Identification
   B. Types of Dentition
   C. Tooth Numbering System
   D. Primary Dentition

III. Eruption
   A. Patterns and Sequence
   B. Differences between Primary and Permanent Teeth
   C. Structures of Individual Teeth

IV. Permanent Dentition
   A. General Characteristics
   B. Occlusal Surfaces
   C. Roots
   D. Pulp Cavity

V. Oral Embryology and Histology