

DA 60 Course Outline as of Summer 2012**CATALOG INFORMATION**

Dept and Nbr: DA 60 Title: APPLIED DENTAL SCIENCE

Full Title: Applied Dental Science

Last Reviewed: 2/25/2019

Units	Course Hours per Week		Nbr of Weeks		Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	17.5	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: DE 52

Catalog Description:

Dental terminology, basic anatomy of the oral cavity, dental anatomy and physiology, oral embryology and histology, tooth morphology, classifications of cavities and restorations, preliminary oral inspection, charting conditions of the hard and soft tissues.

Prerequisites/Corequisites:

Course Completion or Current Enrollment in DE 51

Recommended Preparation:**Limits on Enrollment:**

Acceptance into an Allied Dental Program

Schedule of Classes Information:

Description: Dental terminology, basic anatomy of the oral cavity, dental anatomy and physiology, oral embryology and histology, tooth morphology, classifications of cavities and restorations, preliminary oral inspection, charting conditions of the hard and soft tissues. (Grade Only)

Prerequisites/Corequisites: Course Completion or Current Enrollment in DE 51

Recommended:

1. Tissue differentiation
 2. Embryonic development of the face and oral cavity
 3. Factors influencing prenatal dental development
 4. Factors influencing primary and permanent dentition
- B. Oral Histology
1. Anatomic parts of a tooth
 2. Periodontium
- C. Tooth Morphology
1. Types of teeth
 2. Maxillary and mandibular arches
 3. Anatomical features
 4. Physiology of occlusion
 5. Primary dentition
 6. Permanent dentition
 7. Dental anomalies
- D. Numbering and Charting Systems
1. Numbering systems
 2. Classification of cavities
 3. Symbols
 4. Translation from oral examination
 5. Periodontal charting
- E. Anatomy and Physiology
1. Regions of the head
 2. Bones of the skull
 3. Muscles of mastication, facial expression, tongue and floor of mouth
 4. Structures and action of the temporomandibular joint
 5. Paranasal sinuses
- F. Oral Cavity
1. Landmarks
 2. Hard and soft tissues
- G. Bone Composition
1. Compact bone
 2. Spongy bone
 3. Periosteum
 4. Cartilage

Assignment:

1. Reading assignments in reference texts and workbooks (10-20 pages per week)
2. Clinical application of charting skills--patient experiences (5-6)
3. Clinical application of charting skills--digital and film (2-3)
4. Competency evaluations (7-9).
5. Tooth drawings (1-2)
6. Quizzes (8-9)
7. Lab midterm (1) and final (1)
8. Identification of landmarks of oral cavity
9. Written mid-term (1) and final (1)
10. Participation

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because skill demonstrations are more appropriate for this course.

Writing
0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None

Problem solving
0 - 0%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Clinical application of charting skills, competency evaluations, tooth drawing

Skill Demonstrations
40 - 55%

Exams: All forms of formal testing, other than skill performance exams.

Quizzes, lab midterm and final and written midterm and final exams

Exams
40 - 50%

Other: Includes any assessment tools that do not logically fit into the above categories.

Participation

Other Category
5 - 10%

Representative Textbooks and Materials:

Torres and Ehrlich, Modern Dental Assisting, Bird, D. and Robinson, D. 10th Edition, 2011
Instructor-prepared material