

Syllabus for DA 153, Dental Assisting Science

Course Information

Semester & Year: Fall 2022

Course ID & Section : DA 153 E3858

Prerequisites: Prerequisites: DA 150, Dental Assisting Program Orientation

Co-requisites: DA 153, DA 154, DA 155, DA 156, DA 156C

Number of Units: 2

Lecture Hours: 36

Number of Laboratory Proctored Exams: 4

Instructor's Name: Hillary Reed, RDAEF, CDA

Day/Time: Thursday Lecture (E3858): 8:30-10:35

Location: AT 115 (Lecture)

Instructor Contact Information

Office Location: AT 101

Office Hours: Thursdays, Fridays and by appointment

Phone Number: 707-476-4250

Program Coordinator Phone Number: 707-476-4253

Program Coordinator Email Address: Hillary-reed@redwoods.edu

Absences: In the event of emergency contact 476-4250. To be eligible for alternative exams the absence must be reported ½ hour prior to the beginning of class. Excessive absences will result in Program dismissal.

Required Materials

Textbook Title: Modern Dental Assisting, 13th Edition (ISBN: 978-0-323-62485-5)

Author: Bird and Robinson

Textbook Title: Dental Instruments, 7th Edition (ISBN: 978-0-323-67243-6)

Author: Bartolomucci-Boyd

Other requirements: Dental Assisting Program Handbook, Uniform, Personal Protective Equipment, Dental Kit

Course Description

An applied science course as applicable to dental assisting. A basic understanding of anatomical structures and functions are emphasized. Growth and development of oral tissues are examined. Customary terms and proper vocabulary are practiced in preparation for clinical competency in patient care.

Course Objective

1. Apply didactic content (scientific based) to practical application of dental assisting in patient care.

Course Student Learning Outcomes

1. Communicate proper terminology when identifying dentitions, oral anatomy, and basic anatomical landmarks in patient care.

Pre-requisites and Co-requisites

The Dental Assisting Program is approved by the Dental Board of California (DBC) and Commission on Dental Accreditation as a cohort of classes to fulfill the hour requirements of a minimum of 900 instructional hours at the post-secondary level that includes 300 clinical practice hours. Additionally, didactic, laboratory, pre-clinical, and clinical content must be covered.

The Dental Assisting Program of Study requires the student to successfully complete the requirements of DA 150 prior to enrolling in the fall semester cohort of courses DA 153, DA 154, DA 155, DA 156, and DA 156C. Students are enrolled in these courses concurrently. Curriculum reiterates and combines concepts, information, and proficiencies from other courses to prepare students for the clinical setting.

Course Content

1. Infection Prevention in Dentistry
2. Dentition and Tooth Morphology
3. Oral Embryology
4. Landmarks of the Face and Oral Cavity
5. Head and Neck Anatomy
6. General Physiology

Specific Didactic Course Skill Sets (Objectives)

Infection Prevention in Dentistry:

1. Explain the importance of microbiology and disease prevention in the dental setting.

Dentition and Tooth Morphology:

2. Use shape, appearance, and landmarks to classify, locate, and identify function of the human dentitions.
3. Label tooth surfaces and identify tooth numbers using the Universal National numbering system, Palmer Notation system and ISO/FDI system.
4. Identify tissue of the dentition and oral cavity, including anatomical and clinical crowns.
5. List and give the functions of the basic structures of the periodontium.

Oral Embryology:

6. Describe the life cycle of teeth including the six stages of development and the prenatal, genetic, and environmental factors affecting development.

Head and Neck Anatomy:

7. Identify the types of oral mucosa and characteristic landmarks of the oral cavity and tongue.
8. Define centric occlusion and Angle's Classification of occlusion.
9. Identify the anatomical structures of the face, head, and neck.

General Physiology:

10. Recognize the major components of all ten major body systems and describe the primary function of each system.

Specific Clinical Course Skill Set Demonstrations:

1. Identifying tooth numbers and surfaces as well as anatomical structures in the didactic setting prior to advancing in the clinical setting.

Handbook

All students have signed acknowledgement that they have accessed the Dental Assisting Handbook in Canvas, as well as read and agreed to detailed information provided regarding information, notifications, requirements, policies, rules, and disciplinary actions. The Handbook further discusses Student Support Services, Grading Policies, Disruptive Behavior, and Emergency Procedures.

Canvas Information

College of the Redwoods Canvas System is used by students and the instructors for grade tracking, referencing handouts (files), and discussion participation. Students can access Canvas at any time, using their college e-mail and password to determine their current grade in the course as well as specific scores for completed participation, assignments, or exams/ quizzes. Instructors enter grades weekly.

Log into Canvas at <https://redwoods.instructure.com>

Password is your 6-digit birth date

For tech help, email its@redwoods.edu or call 707-476-4160

Students can have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. It does not change your legal name in our records. See the [Student Information Update form](#).

Accessibility

College of the Redwoods is committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or [Disability Services and Programs for Students](#) (DSPS). Students may make requests for alternative media by contacting DSPS based on their campus location:

Eureka: 707-476-4280, student services building, 1st floor

If you are taking online classes DSPS will email approved accommodations for distance education classes to your instructor. In the case of Face-to-face instruction, please present your written accommodation request to your instructor at least one week before the needed accommodation so that necessary arrangements can be made. Last minute arrangements or post-test adjustments usually cannot be accommodated.

Lecture Preparation

Students are to have read assigned chapters prior to arriving to lecture. The lecture activities are designed to assist the students in comprehending the content and preparing for the clinical setting.

Lecture Examinations

All lecture examinations will be administered in the beginning of class. The exam will consist of multiple choice, true/false, fill in the blank, short answer, and identification questions. Please refer to your course syllabus for exam times, dates, and chapters covered.

Work Readiness Points

To be successful in the workforce, students must develop skill sets and healthy work habits necessary for lasting employment.

Students are awarded five Pay Day Points for full participation in the activities and tasks assigned to each class session (lab and lecture), where all requirements, policies, and rules are followed as stated in the Program Handbook. Students begin the course with zero Pay Day Points. Pay Day points will be factored into the course grade.

Students not participating in activities or tasks or not following requirements, policies, and rules or who are absent will not acquire any Pay Day Points for that class session(s). This includes those that are tardy or leave early. Additionally disciplinary action (as outlined in the Program Handbook) for the second, third, and fourth offense will affect the final course grade negatively.

Dental Assisting Program Grading Scale

The Commission on Dental Accreditation and the Dental Board of California require the lecture and lab grade to be 75% or better. The Dental Assisting Program courses are sequential and have co-requisites. Students not passing with a 75% or better in the course cannot continue.

Grade	Percentage	Definition
A	96-100	Outstanding progress
A-	90-95	Outstanding progress
B+	87-89	Above average progress
B	84-86	Above average progress
B-	81-83	Average Progress
C+	78-80	Satisfactory Progress
C	75-77	Lowest acceptable Progress
D	65-74	No progression,
F	<65	Failure
W	N/A	Official Withdrawal

Course Requirements

Overall Course Grade Calculation:

The overall course grade is determined by an average. Students cumulative scores on quizzes (35%), written exams (50%), assignments (10%), and participation (5%) are averaged together to generate a percentage, determining the overall course grade.

Participation Portion:	Weighted 5% of total grade
Pay Day - Work Readiness Points 5 points per lecture	
Assignment Portion:	Weighted 10% of total grade
Illustration Assignment – Tooth Number and Surfaces (50 points)	
Project – Human Body System (50 points)	
Quiz Portion:	Weighted 35% of total grade
2 Quizzes (40 points each)	
Written Exam Portion:	Weighted 50% of total grade
3 Written Exams (150 points each)	
1 Written Final Exam (200 points)	

Special Note

The course instructor(s) and/or the Program Coordinator have the right to at any time for any reason alter any content of the course syllabus. Course content alterations can only be done by faculty and at their discretion.

Course Schedule of Activities and Assignments

Week 1

Thursday, August 25 (Lecture)

Textbook reading assignment in preparation for lecture class:

- Chapter 18 Microbiology
- Chapter 19 Disease Transmission and Infection Prevention

Week 2

Thursday, September 1 (Lecture)

QUIZ #1 (CH. 18, 19)

Textbook reading assignment in preparation for lecture class:

- Chapter 18 Microbiology
- Chapter 19 Disease Transmission and Infection Prevention

Week 3

Thursday, September 8 (Lecture)

EXAM #1 (CH. 18, 19)

Textbook reading assignment in preparation for lecture class:

- Chapter 18 Microbiology
- Chapter 19 Disease Transmission and Infection Prevention

Week 4

Thursday, September 15 (Lecture)

Textbook reading assignment in preparation for lecture class:

- Chapter 11 Overview of the Dentitions

Week 5

Thursday, September 22 (Lecture)

Textbook reading assignment in preparation for lecture class:

- Chapter 11 Overview of the Dentitions

Week 6

Thursday, September 29 (Lecture)

Textbook reading assignment in preparation for lecture class:

- Chapter 11 Overview of the Dentitions
- Chapter 12 Tooth Morphology

Week 7

Thursday, October 6 (Lecture)

ILLUSTRATION ASSIGNMENT DUE – TOOTH NUMBERS AND SURFACES

Textbook reading assignment in preparation for lecture class:

- Chapter 12 Tooth Morphology

Week 8

Thursday, October 13 (Lecture)

Textbook reading assignment in preparation for lecture class:

Chapter 12 Tooth Morphology

Week 9

Thursday, October 20 (Lecture)

QUIZ #2 (CH. 11, 12)

Textbook reading assignment in preparation for lecture class:

Chapter 12 Tooth Morphology

Chapter 8 Oral Embryology and Histology

Week 10

Thursday, October 27 (Lecture)

EXAM #2 (CH. 11, 12)

Textbook reading assignment in preparation for lecture class:

Chapter 8 Oral Embryology and Histology

Chapter 10 Landmarks of the Face and Oral Cavity

Week 11

Thursday, November 3 (Lecture)

Textbook reading assignment in preparation for lecture class:

Chapter 10 Landmarks of the Face and Oral Cavity

Chapter 9 Head and Neck Anatomy

Week 12

Thursday, November 10 (Lecture)

Holiday – Veteran's Day Observed

Week 13

Thursday, November 17 (Lecture)

EXAM #3 (CH. 8, 9, 10)

Textbook reading assignment in preparation for lecture class:

Chapter 9 Head and Neck Anatomy

Week 14

Monday, November 21 – Friday, November 25

Thanksgiving Holiday Week

Week 15

Thursday, December 1 (Lecture)

Textbook reading assignment in preparation for lecture class:

Chapter 7 General Physiology

Week 16

Thursday, December 8 (Lecture)

FINAL WRITTEN EXAM – CHAPTERS 7, 8, 9, 10, 11, 12

Week 17

Thursday, December 15 (Lecture)

PROJECT DUE – HUMAN BODY SYSTEMS