

Syllabus for DA 163

Advanced Dental Assistant Science

Course Information

Semester & Year: Spring 2022
Course ID & Section #: DA 163 (E3135)
Prerequisites/ Co-requisites: Acceptance in Dental Assisting Program cohort, successful completion of all fall semester courses with a 75% or better.
Instructor's name: Hillary Reed, RDAEF, CDA, COA, CDPMA, CPDA
Day/Time: Thursday Lecture (E3135): 8:30-10:35 AM
Location: AT 115 (Lecture)
Number of units: 2

Instructor Contact Information

Office location: AT 101
Office hours: Tuesdays, Thursdays, Fridays 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, 13 th Edition (ISBN: 978-0-323-62485-5)
Author: Bird and Robinson
Textbook Title: Dental Instruments, 7 th Edition (ISBN: 978-0323-67243-6)
Author: Bartolomucci-Boyd
Other requirements: Dental Assisting Program Handbook, Uniform, Personal Protective Equipment, Darby Dental Kit

Course Description

A continuation of introductory biomedical science as applicable to dental assisting. Preventative patient education is emphasized. Oral pathology, nutrition, and pharmacology are examined. Customary terms and proper vocabulary are practiced in preparation for clinical competency in patient care.

Course Objective

1. Apply learned theory to patient care, communicating appropriate patient education once health and dental risks have been confirmed by the dentist/hygienist in both healthy and medically compromised patients.

Course Student Learning Outcomes

1. Identify common practices of preventative dentistry communicating appropriate oral hygiene instructions and prescribed recommendations to the populations identified by the American Dental Association.
2. Describe common drugs used in dentistry for pre-medication, infection, and sedation for patient care.
3. Identify oral pathology linking to poor nutrition, oral habits, inflammation, disorders, conditions, development, trauma, and infection.

Pre-requisites and Co-requisites

The Dental Assisting Program of Study requires the cohort of students to have successfully completed DA 153, DA 154, DA 155, and DA 156 with a 75% or better to be eligible to enroll in the spring semester cohort of courses.

Additionally, the Dental Assisting Program of Study requires the cohort of students to enroll in DA 163, DA 164, DA 165, and DA 167 concurrently. This is a Dental Board of California (DBC) and Commission on Dental Accreditation (CODA) requirement. Curriculum reiterates and combines concepts, information, and proficiencies from other courses to prepare students for the clinical setting.

Course Content

1. Preventative Dentistry
2. Nutrition
3. Health, Oral Health, and Pathology
4. Pharmacology

Specific Didactic Course Skill Sets (Objectives)

1. Association of technical terms to patient care.

Preventative Dentistry:

2. Describe the aspects, methods, and advantages of preventative dentistry.
3. Identify the importance of diet and nutrition in the formation, development, and maintenance of the oral cavity.
4. Provide patient preventative education and oral hygiene instruction.
5. Gather data for patient risk assessment for caries, utilizing CAMBRA guidelines and ADA form.
6. Gather data for patient needs for fluoride supplements and/or varnish utilizing ADA guidelines and form.

Nutrition:

7. Discuss the link between nutrition and dentistry.

Health, Oral Health and Pathology:

8. Assess patient health histories for dental alerts and medically compromised patients.
9. Demonstrate accurate use of a drug reference when determining the medications listed on a health/ dental history form.
10. Recognize oral implications and overall health concerns of eating disorders, drug abuse, developmental disorders, and systemic disease.
11. Differentiate oral pathology lesions and/or conditions associated with habits, nutrition, development, illness, oral cancers, medications and/or drugs.

Pharmacology:

12. Define DEA and explain the Controlled Substance Act, identifying requirements, agencies, and regulations.
13. Identify common medications, drugs, and agents used in dentistry to treat common oral entities, pre-medicate for both sedative and prophylactic purposes, as well as used to treat dental-related infection.
14. Identify how commonly used drugs are administered as well as their properties, actions, side effects, indications and contraindications.

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 Preparedness.

Canvas Information

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

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 have the ability to 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 or on CANVAS. 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, modalities, and chapters covered. Please note that quizzes are on CANVAS.

Work Readiness Points

To be successful in the workforce, students have to 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 (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.

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 at their discretion.

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, written exams, assignments, and participation 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
Informative Poster (50 points)	
Quiz Portion:	Weighted 35% of total grade
4 Quizzes (40 points each)	
Written Exam Portion	Weighted 50% of total grade
2 Written Exams (150 points each)	
1 Written Final Exam (350 points)	

Course Schedule of Activities and Assignments

Week 1 - Thursday, January 20 (Lecture)

Textbook reading assignment in preparation for lecture class:

- Chapter 15 – Preventative Dentistry
- Chapter 28 – Oral Diagnosis and Treatment Planning

Week 2 - Thursday, January 27 (Lecture)

Textbook reading assignment in preparation for lecture class:

- Chapter 15 – Preventative Dentistry
- Chapter 28 – Oral Diagnosis and Treatment Planning

Week 3 - Thursday, February 3 (Lecture)

QUIZ #1 (Chapters 15 and 28)

Textbook reading assignment in preparation for lecture class:

- Chapter 15 – Preventative Dentistry
- Chapter 28 – Oral Diagnosis and Treatment Planning

Week 4 - Thursday, February 10 (Lecture)

Textbook reading assignment in preparation for lecture class:

- Chapter 13 – Dental Caries
- Chapter 28 – Oral Diagnosis and Treatment Planning

Week 5 - Thursday, February 17 (Lecture)

Textbook reading assignment in preparation for lecture class:

- Chapter 13 – Dental Caries
- Chapter 28 – Oral Diagnosis and Treatment Planning

Week 6 - Thursday, February 24 (Lecture)

QUIZ #2 (Chapters 13 and 28)

Textbook reading assignment in preparation for lecture class:

- Chapter 14 – Periodontal Diseases
- Chapter 28 – Oral Diagnosis and Treatment Planning

Week 7 - Thursday, March 3 (Lecture)

EXAM #1 (Chapters 13, 14, 15, 28)

Textbook reading assignment in preparation for lecture class:

- Chapter 14 – Periodontal Diseases
- Chapter 28 – Oral Diagnosis and Treatment Planning

Week 8 - Thursday, March 10 (Lecture)

Textbook reading assignment in preparation for lecture class:

- Chapter 29 – The Special needs and Medically Compromised Patient
- Chapter 16 – Nutrition

Week 9 – Monday, March 14th – Friday, March 18th

SPRING BREAK

Week 10 - Thursday, March 24 (Lecture)

Textbook reading assignment in preparation for lecture class:

Chapter 29 – The Special needs and Medically Compromised Patient

Chapter 16 – Nutrition (Vitamin Deficiencies and the Oral Cavity)

Chapter 17 – Oral Pathology

Week 11 - Thursday, March 31 (Lecture)

QUIZ #3 (Chapters 16, 17, 29)

Textbook reading assignment in preparation for lecture class:

Chapter 17 – Oral Pathology (Common Pathologies)

Chapter 30 – Principles of Pharmacology

Week 12 - Thursday, April 7 (Lecture)

Textbook reading assignment in preparation for lecture class:

Textbook reading assignment in preparation for lecture class:

Chapter 17 – Oral Pathology (Sexually Transmitted Infections)

Chapter 30 – Principles of Pharmacology

Week 13 - Thursday, April 14 (Lecture)

EXAM #2 (Chapters 16, 17, 29, 30)

Textbook reading assignment in preparation for lecture class:

Chapter 17 – Oral Pathology

Chapter 30 – Principles of Pharmacology

Week 14 - Thursday, April 21 (Lecture)

QUIZ #4 (Chapter 30)

Textbook reading assignment in preparation for lecture class:

Chapter 30 – Principles of Pharmacology

Apprehensive and Fearful Patient Strategies

Week 15 - Thursday, April 28 (Lecture)

INFORMATIVE POSTER PROJECT

Textbook reading assignment in preparation for lecture class:

Cumulative Review

Week16 - Thursday, May 5 (Lecture)

FINAL EXAM (CUMULATIVE)

Week 17 - Thursday, May 12 (Lecture)

**CLEAN OUT DRAWER AND LOCKER
TIME CAPSULE/ CLASS PICTURE**