



Department of Teaching & Learning
Parent/Student Course Information

Dental Assisting II
(VO 8329)
Three Credits, One Year
Grade 12

Counselors are available to assist parents and students with course selections and career planning. Parents may arrange to meet with the counselor by calling the school's guidance department.

COURSE DESCRIPTION

Dental Assisting is a two-year program for rising 11th graders. Dental Assisting II is the second year in the sequence. Students are introduced to the careers in dentistry, including dentist, dental hygienist, dental assistant, dental laboratory technician, and dental receptionist. Students practice and learn about many of the skills utilized in these professions while attaining all the skills necessary to become a dental assistant. Study includes infection control and OSHA standards, anatomy and physiology, tooth morphology, oral histology, preventive dentistry, applied psychology, effective communication, office administration and management, use of dental software, operative dentistry techniques, and dental materials/laboratory skills.

CERTIFICATIONS

National Registered Dental Assistant Certification (NRDA)
National Board of Dentistry: Radiation Health and Safety Certification,
National Occupational Competency Testing Institute: Dental Assisting

STUDENT ORGANIZATION

Future Health Professionals (HOSA)
The mission of HOSA is to enhance the delivery of compassionate, quality health care by providing opportunities for knowledge, skill, and leadership development of all health occupations education students, therefore, helping the students to meet the needs of the health care industry.

PREREQUISITE

Dental Assisting I

OPTIONS FOR NEXT COURSE

None

REQUIRED STUDENT TEXTBOOK

Dental Assisting: A Comprehensive Approach, 2014

COMPETENCIES FOR DENTAL ASSISTING II

Demonstrating Professional Competencies

- 1 Demonstrate positive work ethic.
- 2 Demonstrate integrity.
- 3 Demonstrate teamwork skills.
- 4 Demonstrate self-representation skills.
- 5 Demonstrate diversity awareness.
- 6 Demonstrate conflict-resolution skills.
- 7 Demonstrate creativity and resourcefulness.
- 8 Demonstrate effective speaking and listening skills.
- 9 Demonstrate effective reading and writing skills.
- 10 Demonstrate critical-thinking and problem-solving skills.
- 11 Demonstrate healthy behaviors and safety skills.
- 12 Demonstrate an understanding of workplace organizations, systems, and climates.
- 13 Demonstrate lifelong-learning skills.
- 14 Demonstrate job-acquisition and advancement skills.
- 15 Demonstrate time-, task-, and resource-management skills.
- 16 Demonstrate job-specific mathematics skills.
- 17 Demonstrate customer-service skills.
- 18 Demonstrate proficiency with technologies common to a specific occupation.
- 19 Demonstrate information technology skills.
- 20 Demonstrate an understanding of Internet use and security issues.
- 21 Demonstrate telecommunications skills.
- 22 Demonstrate workplace safety.

Examining All Aspects of an Industry

- 23 Examine aspects of planning within an industry/organization.
- 24 Examine aspects of management within an industry/organization.
- 25 Examine aspects of financial responsibility within an industry/organization.
- 26 Examine technical and production skills required of workers within an industry/organization.
- 27 Examine principles of technology that underlie an industry/organization.
- 28 Examine labor issues related to an industry/organization.
- 29 Examine community issues related to an industry/organization.
- 30 Examine health, safety, and environmental issues related to an industry/organization.

Addressing Elements of Student Life

- 31 Identify the purposes and goals of the student organization.
- 32 Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.
- 33 Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.
- 34 Identify Internet safety issues and procedures for complying with acceptable use standards.

Exploring Work-Based Learning

- 35 Identify the types of work-based learning (WBL) opportunities.
- 36 Reflect on lessons learned during the WBL experience.
- 37 Explore career opportunities related to the WBL experience.
- 38 Participate in a WBL experience, when appropriate (optional).

Performing Administrative Functions

- 39 Schedule appointments.
- 40 Manage patient conversations.
- 41 Recall patients.
- 42 Demonstrate accounts receivable procedures.
- 43 Perform accounts payable transactions.
- 44 Fill out insurance forms in accordance with the Health Insurance Portability and Accountability Act (HIPAA).
- 45 Manage inventory.
- 46 Demonstrate the use of common dental office computer applications.

Handling Medical Emergencies

- 47 Explain the basic medical emergency procedures and rules for a dental office.
- 48 List items found in basic emergency kits.
- 49 Describe the causes, symptoms, and treatments of selected medical situations/emergencies.
- 50 Obtain certification in American Heart Association Basic Life Support for Healthcare Providers and American Heart Association Heartsaver First Aid.
- 51 Demonstrate American Heart CPR and/or automated external defibrillator (AED) procedures.

Assisting with Advanced Pharmacology and Pain Control

- 52 Describe the components of a prescription.
- 53 Describe the signs and symptoms of drug abuse.
- 54 Explain the major routes of drug administration.
- 55 Describe various drugs used in dentistry.

Performing Radiographic Procedures

- 56 Describe the basic concepts of radiography.
- 57 Describe radiographic equipment.
- 58 Describe digital radiography.
- 59 Obtain radiation and health safety certification.
- 60 Outline governmental health and safety standards for use of radiographic equipment.
- 61 Demonstrate techniques for executing radiographic exposures in accordance with safety standards.
- 62 Identify quality-control tests to ensure the production of high-quality radiographs.
- 63 Demonstrate various methods of processing radiographs.
- 64 Demonstrate mounting radiographs.
- 65 Explain which radiographic techniques to use for patients with special needs.
- 66 Maintain radiographic processing equipment.

Demonstrating Chairside Procedures

- 67 Assist with an amalgam procedure.
- 68 Assist with a composite procedure.
- 69 Simulate assisting with basic oral surgery procedures.
- 70 Simulate assisting with an endodontic procedure.
- 71 Simulate assisting with a periodontal procedure.
- 72 Simulate assisting with an orthodontic procedure.
- 73 Simulate assisting with a fixed prosthodontics procedure.
- 74 Simulate assisting with a removable prosthodontics procedure.
- 75 Apply pit and fissure sealants
- 76 Obtain alginate impressions for diagnostic casts.

Performing Laboratory Procedures

- 77 Pour and trim diagnostic casts.
- 78 Prepare a dental laboratory prescription.
- 79 Mount models on a simple hinge articulator.
- 80 Fabricate a custom tray.
- 81 Fabricate a temporary crown or bridge.
- 82 Fabricate miscellaneous appliances.

Gaining and Maintaining Employment

- 83 Explain the process for gaining certification.
- 84 Explain the importance of continuing education.

Describing the Opioid Crisis

- 85 Describe the history and current state of the opioid crisis in the United States.
- 86 Describe the history and current state of the opioid crisis in Virginia.
- 87 Define the pharmacological components and common uses of opioids.

Examining the Key Factors of Drug Addiction

- 88 Examine the science of addiction.
- 89 Explain prevention and early intervention strategies.
- 90 Identify addiction and its behavioral elements, as defined by the Diagnostic and Statistical Manual of Mental Disorders (DSM-5).
- 91 Describe the treatment models of addiction therapy.
- 92 Describe the medication management antidote used to prevent fatal opioid overdoses.

Understanding Pain Management Protocols

- 93 Explain the science of physiological and mental pain.
- 94 Describe the diagnostic tools used in developing pain management plans.
- 95 Describe pain treatment options available to various populations of patients.
- 96 Describe the effects of opioid dependency on the human body systems.
- 97 Explain the mechanism and physical effects of opioids on the human body.
- 98 Explain the use of opioids in practice settings, the role of opioids in pain management, and risk factors associated with the use of the medication.
- 99 Describe the withdrawal and tapering side effects of opioid use.
- 100 Describe storage and disposal options for opioids.
- 101 Explain community resources for education about opioid use.

Working with Patients and Caregivers

- 102 Describe key communication topics involving opioids for patients.
- 103 Describe communication topics for caregivers and family members.

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Produced by the Department of Teaching and Learning.
For further information, please call (757) 263-1070.

Notice of Non-Discrimination Policy

Virginia Beach City Public Schools does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation/gender identity, pregnancy, childbirth or related medical condition, disability, marital status, age, genetic information or veteran status in its programs, activities, employment, or enrollment, and provides equal access to the Boy Scouts and other designated youth groups. School Board policies and regulations (including, but not limited to, Policies 2-33, 4-4, 5-7, 5-19, 5-20, 5-44, 6-33, 6-7, 7-48, 7-49, 7-57 and Regulations 4-4.1, 4-4.2, 5-44.1, 7-11.1, 7-17.1 and 7-57.1) provide equal access to courses, programs, enrollment, counseling services, physical education and athletic, vocational education, instructional materials, extracurricular activities and employment.

Title IX Notice: Complaints or concerns regarding discrimination on the basis of sex or sexual harassment should be addressed to the Title IX Coordinator, at the VBCPS Office of Student Leadership, 641 Carriage Hill Road, Suite 200, Virginia Beach, 23452, (757) 263-2020, Mary.Dees@vbschools.com (student complaints) or the VBCPS Department of School Leadership, 2512 George Mason Drive, Municipal Center, Building 6, Virginia Beach, Virginia, 23456 (757) 263-1088, Elizabeth.Bryant@vbschools.com (employee complaints). Additional information regarding Virginia Beach City Public Schools' policies regarding discrimination on the basis of sex and sexual harassment, as well as the procedures for filing a formal complaint and related grievance processes, can be found in School Board Policy 5-44 and School Board Regulations 5-44.1 (students), School Board Policy 4-4 and School Board Regulation 4-4.3 (employees), and on the School Division's website at [Diversity, Equity and Inclusion/Title IX](#). Concerns about the application of [Section 504 of the Rehabilitation Act](#) should be addressed to the Section 504 Coordinator/Executive Director of Student Support Services at (757) 263-1980, 2512 George Mason Drive, Virginia Beach, Virginia, 23456 or the Section 504 Coordinator at the student's school. For students who are eligible or suspected of being eligible for special education or related services under IDEA, please contact the Office of Programs for Exceptional Children at (757) 263-2400, Plaza Annex/Family and Community Engagement Center, 641 Carriage Hill Road, Suite 200, Virginia Beach, VA 23452.

The School Division is committed to providing educational environments that are free of discrimination, harassment, and bullying. Students, staff, parents/guardians who have concerns about discrimination, harassment, or bullying should contact the school administration at their school. Promptly reporting concerns will allow the school to take appropriate actions to investigate and resolve issues. School Board Policy 5-7 addresses non-discrimination and anti-harassment, Policy 5-44 addresses sexual harassment and discrimination based on sex or gender. Policy 5-36 and its supporting regulations address other forms of harassment.

Alternative formats of this publication which may include taped, Braille, or large print materials are available upon request for individuals with disabilities. Call or write The Department of Teaching and Learning, Virginia Beach City Public Schools, 2512 George Mason Drive, P.O. Box 6038, Virginia Beach, VA 23456-0038. Telephone 263-1070 (voice); fax 263-1424; 263-1240 (TDD) or email at Kathleen.Vuono@vbschools.com.

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