



ILLINOIS VALLEY COMMUNITY COLLEGE

COURSE OUTLINE

DIVISION: Workforce Development

COURSE: DLH 1215 Dental Hygiene II

Date: Spring 2021

Credit Hours: 1

Prerequisite(s): Successful completion of all first-year, fall semester courses listed in the Dental Hygiene A.A.S. Degree

Delivery Method: **Lecture** **1 Contact Hours** (1 contact = 1 credit hour)
 Seminar **0 Contact Hours** (1 contact = 1 credit hour)
 Lab **0 Contact Hours** (2-3 contact = 1 credit hour)
 Clinical **0 Contact Hours** (3 contact = 1 credit hour)
 Online
 Blended

Offered: **Fall** **Spring** **Summer**

IAI Equivalent –**Only for Transfer Courses**–go to <http://www.itransfer.org>:

CATALOG DESCRIPTION:

This course is a continuation of DH I with emphasis placed on the periodontally involved patient and treatment procedures for patients exhibiting special oral needs such as the oncology patient, the geriatric patient, the pedodontic patient, the mentally handicapped patient and the physical and sensory handicapped patients.

GENERAL EDUCATION GOALS ADDRESSED

[See last page for Course Competency/Assessment Methods Matrix.]

Upon completion of the course, the student will be able:

[Choose up to three goals that will be formally assessed in this course.]

- To apply analytical and problem solving skills to personal, social, and professional issues and situations.
- To communicate successfully, both orally and in writing, to a variety of audiences.
- To construct a critical awareness of and appreciation for diversity.
- To understand and use technology effectively and to understand its impact on the individual and society.
- To develop interpersonal capacity.
- To recognize what it means to act ethically and responsibly as an individual and as a member of society.
- To recognize what it means to develop and maintain a healthy lifestyle in terms of mind, body, and spirit.
- To connect learning to life.

EXPECTED LEARNING OUTCOMES AND RELATED COMPETENCIES:

[Outcomes related to course specific goals. See last page for more information.]

Upon completion of the course, the student will be able to:

1. Demonstrate knowledge of techniques used to manage patients with special needs.
2. Describe the proper management and treatment for mentally, sensory and physically handicapped patients.
3. Explain the social, psychological and biological changes occurring with aging.
4. Explain the facts associated with diabetes.
5. Identify the problems associated with cardiovascular disease including cerebrovascular accidents.
6. Demonstrate the proper care of the bedridden patient.
7. Explain the physical and psychological changes occurring during premenstrual syndrome and menopause.

MAPPING LEARNING OUTCOMES TO GENERAL EDUCATION GOALS

[For each of the goals selected above, indicate which outcomes align with the goal.]

Goals	Outcomes
First Goal	
To communicate successfully, both orally and in writing, to a variety of audiences.	2. Describe the proper management and treatment for mentally, sensory and physically handicapped patients.
Second Goal	
To apply analytical and problem solving skills to personal, social, and	3. Explain the social, psychological and biological changes occurring with aging.

professional issues and situations.	
Third Goal	
To connect learning to life.	1. Demonstrate knowledge of techniques used to manage patients with special needs.

COURSE TOPICS AND CONTENT REQUIREMENTS:

I. Persons with disabilities

- a. Barriers
- b. Disabilities defined
- c. Classification
 - i. Developmental
 - ii. Acquired
 - iii. Age-associated
- d. Interaction
- e. Oral self-care devices
- f. Client positioning and stabilization

II. Cardiovascular Diseases

- a. Rheumatic heart disease
- b. Infecting endocarditis
- c. Valvular heart defects
- d. Hypertensive cardiovascular disease
- e. Coronary heart disease
- f. Cardiac dysrhythmias and arrhythmias
- g. Congestive heart failure
- h. Congenital heart disease
- i. Surgery
- j. Oral manifestations of cardiovascular medications
- k. Preventing and managing cardiac emergencies

III. Diabetes Mellitus

- a. Definition
- b. Prediabetes
- c. Classification of diabetes
 - i. Type I
 - ii. Type II
 - iii. Gestational diabetes mellitus
 - iv. Other specific types of diabetes mellitus
- d. Pathophysiology of diabetes
 - i. Insulin deprivation
 - ii. Clinical signs and symptoms
 - iii. Chronic complications
 - iv. Diabetes and periodontal disease
- e. Diabetic emergencies
 - i. Hypoglycemia
 - ii. Hyperglycemic ketoacidotic coma
- f. Disease management
- g. Dental hygiene process of care

IV. Cancer

- a. Incidence

- b. Risk factors
 - c. Common signs and symptoms
 - d. Oral cancer incidence and risk factors
 - e. Cancer therapy
 - i. Oral considerations
 - ii. Oral cancer-specific
 - f. Dental hygiene process of care
- V. Human Immunodeficiency Virus Infection
- a. Pathogenesis
 - b. Transmission
 - c. Drug therapy
 - d. Epidemiology
 - e. Risk among healthcare workers
 - f. Relation to periodontal status
 - g. Oral manifestations
 - i. Oral candidiasis
 - ii. Hairy leukoplakia
 - iii. Kaposi sarcoma
 - iv. Lesions of the periodontium
 - v. Lymphadenopathy
 - vi. Oral warts
 - vii. Recurrent herpes simplex virus infection
 - h. Dental hygiene process of care
- VI. Persons with neurologic and sensory deficits
- a. General descriptions of dental hygiene care
 - b. Dysfunctions of the motor system
 - i. Tremors
 - ii. Parkinson's disease
 - iii. Cerebral palsy
 - iv. Multiple sclerosis
 - c. Peripheral neuropathies
 - i. Facial neuropathy or Bell's Palsy
 - ii. Trigeminal neuralgia
 - d. Spinal cord dysfunction
 - e. Seizures
 - f. Disorder of higher cortical function
 - i. Dementia
 - ii. Alzheimer's disease
 - g. Cerebrovascular disease
 - h. Sensory disorders
- VII. Persons with autoimmune diseases
- a. Immune dysfunction
 - b. Pathophysiology of autoimmune diseases
 - c. Pharmacologic considerations
 - d. Dental hygiene process of care
- VIII. Renal disease and organ transplantation
- a. Organ transplant candidates
 - b. Dental care after organ transplant

- IX. Respiratory disease
 - a. Asthma
 - b. Chronic obstructing pulmonary disease
 - c. Tuberculosis
- X. Developmentally and cognitively challenged
 - a. Etiology
 - b. Level of intellectual disabilities
 - c. Characteristics
 - d. Management of patients
 - e. Down syndrome
 - f. Autism Spectrum disorders
 - g. Educating patients
- XI. Alcohol and substance abuse problems
 - a. Concepts
 - b. Causes
 - c. Medical treatment
 - d. Implication for the dental hygiene process of care
- XII. Eating disorders
 - a. Anorexia nervosa
 - b. Bulimia nervosa
 - c. Health effects
 - d. Dental hygiene process of care
 - e. Treatment
- XIII. Women's health and the health of their children
 - a. Women and heart disease
 - b. Significant life events
 - i. Puberty and menses
 - ii. Oral contraceptives
 - iii. Childrearing years and pregnancy
 - iv. Menopause
 - c. Domestic violence
 - d. Infant and child care
 - i. Early childhood caries
 - ii. Herpetic infections
- XIV. The older adult
 - a. Healthcare for older adults
 - b. Health status and assessment
 - c. Oral conditions and aging
 - d. Dental hygiene process of care
 - e. Community health services
- XV. Persons with fixed and removable dental prostheses
 - a. Types of prosthodontic prostheses
 - b. Challenges
 - c. Factors affecting oral mucosa
 - d. Occlusion and fit
 - e. Oral hygiene
 - f. Oral lesions
 - g. Regular professional care
- XVI. Orofacial clefts and fractured jaw
 - a. Etiology

- b. Types
- c. Treatment
- d. Complications
- e. Dental hygienists' role

INSTRUCTIONAL METHODS:

- Lecture
- Power Points
- Class discussion
- Demonstration
- Visual aids - videos, models, slides
- Exams and quizzes
- Problem solving exercises

INSTRUCTIONAL MATERIALS:

Bowen, D. M., & Pieren, J. A. (2019). *Darby and Walsh Dental Hygiene: Theory and Practice*, (5th ed.). Elsevier Inc.

STUDENT REQUIREMENTS AND METHODS OF EVALUATION:

The following grading scale will be used as a guide in determining the final grade for this course:

A= 92-100

B= 83-91

C= 75-82

D= 68-74

F= 67 and below

OTHER REFERENCES

Blue, C. M. (2017). *Darby's Comprehensive Review of Dental Hygiene* (8th ed.). Elsevier Inc.