ILLINOIS VALLEY COMMUNITY COLLEGE

COURSE OUTLINE

DIVISION: Workforce Development

COURSE: DLA 2220 Oral Pathology

Date: Spring 2021

Credit Hours: 0.5

Prerequisite(s): DLA 1210 Dental Science II

Delivery Method:

☒ **Lecture**	**0.5 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**

CATALOG DESCRIPTION:
The field of oral pathology will be studied, familiarizing the student with oral diseases, their causes (if known), and their effects on the body. A dental assistant does not diagnose oral pathological diseases, but may alert the dentist to abnormal conditions of the mouth. This course will ensure a basic understanding of recognizing abnormal conditions (anomalies), how to prevent disease transmission, how the identified pathological condition may interfere with planned treatment, and what effect the condition will have on the overall health of the patient.

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 appreciate 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 a basic understanding of the clinical features, etiology, and treatment for common oral pathologies. (Standard 2-13-a)**
   - 1.1. Define oral pathology and identify the dental assistant's role in this specialty.
   - 1.2. Characterize the process of inflammation including acute and chronic inflammation.
   - 1.3. Identify oral lesions according to placement.
   - 1.4. Identify oral diseases and lesions related to biological agents.
   - 1.5. Describe oral diseases and lesions related to physical agents.
   - 1.6. Identify oral diseases and lesions related to chemical agents.
   - 1.7. Identify oral conditions related to hormonal disturbances.
   - 1.8. Identify oral conditions related to developmental disturbances.
   - 1.9. Distinguish among oral conditions related to nutritional disturbances.
   - 1.10. Discuss oral cancer and its warning signs.
   - 1.11. Identify the conditions and lesions of oral neoplasms.
   - 1.12. Identify oral lesions related to HIV and AIDS.
   - 1.13. Describe the conditions related to miscellaneous disorders affecting the oral cavity.

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 recognize what it means to develop and maintain a healthy lifestyle in terms of mind, body, and spirit.	1.2, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.12, 1.13

COURSE TOPICS AND CONTENT REQUIREMENTS:

I. Oral Pathology
   A. Inflammation
      i. Inflammation Process
         1. Redness
         2. Heat
         3. Swelling
         4. Pain
   B. Diagnosing
   C. Oral lesions
      i. Above surface
         1. Blister
         2. Bulla
         3. Hematoma
         4. Papule
         5. Plaque
         6. Pustule
         7. Vesicle
      ii. Below-surface
         1. Abscess
         2. Cyst
         3. Erosion
         4. Ulcer
      iii. Even or flat with surface
         1. Ecchymosis
         2. Macule
         3. Patch
         4. Petechial
         5. Purpura
      iv. Flat or above surface
         1. Granuloma
         2. Neoplasm
         3. Nodule
   D. Biological agents
      i. Actinomycosis
      ii. Herpes simplex
      iii. Aphthous ulcers

iv. Herpes zoster
v. Syphilis
vi. Thrush
vii. Cellulitis

E. Physical Agents
i. Denture irritation causing hyperplasia
ii. Amalgam tattoo
iii. Radiation injury
iv. Oral piercing
v. Tongue splitting

F. Chemical agents
i. Aspirin burn
ii. Nicotine stomatitis
iii. Chewing tobacco (snuff) lesion
iv. Smoking other drugs
v. Hairy tongue
vi. Gingival hyperplasia
vii. Meth mouth

G. Hormonal disturbances
i. Pregnancy gingivitis
ii. Pyogenic granuloma
iii. Puberty gingival enlargement

H. Developmental disturbances
i. Disturbances in Tooth development
1. Ameleogensis imperfect
2. Ankylosis
3. Anodontia
4. Dentinogenesis imperfect
5. Fusion
6. Gemination
7. Macrodontia
8. Microdontia
9. Neonatal teeth
10. Supernumerary teeth
11. Twinning
ii. Oral tori
iii. Exostoses
iv. Fordyce's spots (granules)
v. Fissured tongue
vi. Bifid tongue
vii. Ankyloglossia

I. Nutritional Disturbances
i. Angular cheilitis
ii. Glossitis (bald tongue)

J. Oral Cancer
i. Carcinoma
ii. Sarcoma
iii. Oral Cancer Warning Signs

K. Neoplasms
i. Leukoplakia

ii. Lichen planus
iii. Erythroplakia
iv. Leukemia
v. Squamous cell carcinoma
vi. Basal cell carcinoma
1. Papilloma
vii. Fibroma

L. Oral Lesions Related to AIDS and HIV
i. Hairy Leukoplakia
ii. Kaposi's Sarcoma

M. Miscellaneous Disorders
i. Acute Necrotizing Ulcerative Gingivitis
ii. Mucocele
iii. Varix
iv. Geographic tongue
v. Anorexia nervosa and bulimia
vi. Bell's Palsy

II. Dental Anomalies

A. Factors
i. Intrinsic
ii. Extrinsic
iii. Hereditary
iv. Congenital
v. Familial tendency
vi. Developmental

B. Classification
i. Macrodontia
ii. Microdontia
iii. Hyperdontia
iv. Anodontia
v. Supernumeraries
vi. Mesiodens
vii. Distomolars
viii. Paramolars
ix. Supplemental
1. Conical
2. Tubercle

C. Anomalies in shape
i. Adontoma
ii. Dens in Dente
iii. Dilaceration
iv. Dwarfed Roots
v. Gemination
vi. Fusion
vii. Concresence
viii. Hypercementosis
1. Cementoma
ix. Enamel pearls
x. Huchinson's Incisors
1. Mulberry molars

xi. Enamel Dysplasia
    1. Enamel hypoplasia
    2. Enamel hypocalcification
    3. Enamel Fluorosis
        a. Mottled enamel
    4. Amelogenesis imperfect
    5. Turner's tooth
xii. Dentinogenesis Imperfecta
xiii. Tetracycline staining

D. Abnormal crown shape
    i. Maxillary third molars
    ii. Mandibular third molars
    iii. Maxillary lateral incisor
    iv. Mandibular second premolars

E. Abnormal root formation
    i. Maxillary second premolars
    ii. Maxillary first premolars
    iii. Mandibular second premolars or canines
        1. Accessory roots
    iv. Mandibular canines
    v. Flexion

INSTRUCTIONAL METHODS:

- Lecture
- Class discussion
- Class Presentations
- Text assignments
- Visual aids - videos, slides, charts and models, power points
- Computers
- Exams and quizzes
- Demonstration

INSTRUCTIONAL MATERIALS:

- Oral thermometers, stethoscopes, sphygmomanometers
- Text books
    - Head, Neck & Dental Anatomy, 4th Edition, 2013
    - Anatomy of Orofacial Structures: A Comprehensive Approach, Enhanced 7th Edition, 2014
    - Dental Assisting Coloring Book, 1st Edition, 2011
    - Dental Assisting: A Comprehensive Approach, 5th Edition, 2018
    - Dental Assisting: A comprehensive Approach Workbook, 5th Edition, 2018
- YouTube
- Library Resources
- Writing Center

STUDENT REQUIREMENTS AND METHODS OF EVALUATION:
Reading assigned materials, note taking and participation in classroom discussion is expected of students.

Written examinations are used to evaluate student progress. A minimum of four tests and a comprehensive final exam will be given. All exam grades are weighted proportionately to determine the final grade.

A grade of "C" is required for graduation from the Dental Assisting Program. The following grading scale will be used as a guide in determining the final letter grade for this course:

A= 90-100
B= 80-89
C= 70-79
D= 60-69
F= 0-59

OTHER REFERENCES

Course Competency/Assessment Methods Matrix

DLA 2220	**Assessment Options**																														
For each competency/outcome place an "X" below the method of assessment to be used.	**Assessment of Student Learning**	Article Review	Case Studies	Group Projects	Lab Work	Oral Presentations	Pre-Post Tests	Quizzes	Written Exams	Artifact Self Reflection of Growth	Capstone Projects	Comprehensive Written Exit Exam	Course Embedded Questions	Multi-Media Projects	Observation	Writing Samples	Portfolio Evaluation	Real World Projects	Reflective Journals	Applied Application (skills) Test	Oral Exit Interviews	Accreditation Reviews/Reports	Advisory Council Feedback	Employer Surveys	Graduate Surveys	Internship/Practicum /Site Supervisor Evaluation	Licensing Exam	In Class Feedback	Simulation	Interview	Written Report	Assignment
Assessment Measures – Are direct or indirect as indicated. List competencies/outcomes below.	**Direct/ Indirect**	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	I	I	I	I	D	D	D				
Identify, take and record vital signs			X	X	X	X		X	X				X		X					X		X	X		X	X	X	X	X		X
Demonstrate a basic understanding of common dental and medical emergencies and their management			X	X	X	X		X	X				X		X					X		X	X		X	X	X	X	X		X
Demonstrate a basic understanding of the body systems, their function and components			X	X	X	X		X	X				X		X					X		X	X		X	X	X	X	X		X
Demonstrate a basic understanding of the types of anesthesia used in dentistry			X	X	X	X		X	X				X		X					X		X	X		X	X	X	X	X		X

Describe a basic understanding of the drugs commonly prescribed for dental conditions and the assistants role in drug management			X	X	X	X		X	X				X		X					X		X	X		X	X	X	X	X			X
Demonstrate a basic understanding of the clinical features, etiology, and treatment for common oral pathologies			X	X	X	X		X	X				X		X					X		X	X		X	X	X	X	X			X
Demonstrate a basic understanding of oral embryology					X	X		X	X				X		X					X		X	X		X	X	X	X	X			X
Demonstrate a basic understanding of oral histology					X	X		X	X				X		X					X		X	X		X	X	X	X	X			X