Maui Community College Under Amnesty Program
Course Outline Updated & Linked To Contons

COWIG Contons

1.	Alpha	DENT	Number	164	COWIQ Grid Prepared			
	Course Title	Oral Bi	ology I					
	Credits	3						
	Department	Allied	Health Autho	r				
	Date of Outline	2/5/09	Effective Date	e Fall 2009	5-year Review Date Fall 2014			
2.	Course Description:	Discusses general anatomy of the skull; arteries, veins, and lymphatics; musculature; and nervous structures of the head and neck, including the normal periodontal tissues, oral mucous membranes, and salivary glands. Includes the embryologic development of the structures and tissues of the head, neck, teeth and oral cavity; oral microbiology; and nutrition. Discusses the anatomy and identification of teeth, the eruption sequence, normal occlusion, and classification of occlusion.						
	Cross-list							
	Contact Hours/Type	Lecture	e - two (2), Lec	ture/Lab - two	(2)			
3.	Pre-requisites	Admis	sion to Dental	Assisting Prog	gram			
	Pre-requisite may be waived by consent 🔀 yes 🗌 no							
	Co-requisites							
	Recommended Preparation none							
4.	Function/Designation	ПАА	Category	Additiona	l Category			
,	ist Additional Programs and Category:							
AAS Program Category List Additional Programs and Category:								
	BAS Program	Category	Develop	mental/Reme	dial			
			A		9/2/69			
\overline{C}	nancellor		Y		Approval Date			

	Other/Additional:	Explain:
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See Curriculum Action Request (CAR) form for the college-wide general education and/or program SLOS this course supports.

This course outline is standardized and/or the result of a community college or system-wide agreement. Responsible committee:

5. Student Learning Outcomes (SLOs): List one to four inclusive SLOs.

For assessment, link these to #7. Recommended Course Content, and #9. Recommended Course

Requirements & Evaluation. Use roman numerals (I., II. III.) to designate SLOs

On successful completion of this course, students will be able to:

- I. Discussion of oral anatomic position and relationships between the skull, arteries, veins, lymphatics, musculature, and nervous structures of the head and neck.
- II. Identification of dental landmarks, oral microbiology, and dental nutrient needs.

III.

IV.

6. Competencies/Concepts/Issues/Skills

For assessment, link these to #7. Recommended Course Content, and #9. Recommended Course Requirements & Evaluation. Use lower case letters (a., b., c...n.) to designate competencies/skills/issues On successful completion of this course, students will be able to:

- a. Describe the mechanism involved in the development of the face and oral cavity, its anatomical position, and explain the significance of it.
- b. Identify and use terminology specific to general anatomy and physiology.
- c. Describe the dentition using correct terminology and definitions.
- d. Explain oral histology and embryology including the stages of tooth development.
- e. Demonstrate knowledge of the morphology of each surface of the crown as well as the root of each of the teeth in the deciduous and permanent dentitions.
- f. Describe and identify each of the teeth of the deciduous and permanent dentitions.
- g. Compare the dentition of humans including any anatomical structures.
- h. Make comparisons among the general characteristics of the teeth in the deciduous and permanent dentitions.
- i. Indicate the normal eruption sequence for each of the teeth in the deciduous and permanent dentitions.
- j. Describe the development and classification of malocclusion.
- k. Identify anatomical parts of the head and neck including skull, arteries, veins, lymphatics, musculature, and nervous structures.
- 1. Describe the bones of the skull with emphasis on the maxilla and mandible.
- m. Describe the origin, insertion, and action of the musculature of the head and neck.
- n. Discuss the blood supply from the heart to all areas of the oral cavity including all teeth.
- o. Explain the acidogenic theory of dental caries.
- p. Discuss five oral and dental conditions.
- q. Discuss oral microbiology and the causative agents of gingivitis and periodontitis.
- r. Explain the interaction of nutrient needs to good physical and dental health and well-being.

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7. Suggested Course Content and Approximate Time Spent on Each Topic Linked to #5. Student Learning Outcomes and # 6 Competencies/Skills/Issues

2 weeks Processes and stages of early embryological and fetal development; formation and organization of the structures of the head, neck, and oral cavity (I, a, b, d, k, l, m, n)

Anatomy of head and neck, lymphatic, vascular, musculature, and nervous system (I, a, b, k, l, m, n)

1 week Process and stages of tooth development and eruption sequence (I, II, c, d, e, f, g, h, i)

2 weeks Normal occlusion, classification of occlusion (I, II, b, c, g, j, l)

1 week Principles of nutrition in relation to oral health (II, o, p, r)

2 weeks Principles of oral microbiology (II, o, p, q, r)

2 weeks Acidogenic theory of dental caries (II, c, o, q, r)

2 weeks Oral and dental conditions (II, c, o, p, q, r)

8. Text and Materials, Reference Materials, and Auxiliary Materials

Appropriate text(s) and materials will be chosen at the time the course is offered from those currently available in the field. Examples include: Bird, D. and Robinson, D., Torres and Ehrlich Modern Dental Assisting, current edition, Elsevier.

Bird, D. and Robinson, D., Student Workbook to Accompany Torres and Ehrlich Modern Dental Assisting, current edition, Elsevier.

Appropriate reference materials will be chosen at the time the course is offered from those currently available in the field. Examples include: Brand, R. and Isselhard, D., Anatomy of Orofacial Structures, current edition, Elsevier.

Massler, M. and Schour, I., Atlas of the Mouth, current edition, American Dental Association.

Durley, C. et al., The DANB Review, current edition, Dental Assisting National Board.

Durley, C. et al., DANB's Glossary of Dental Assisting Terms, current edition, Dental Assisting National Board.

Miller, B. et al., Miller-Keane Encyclopedia and Dictionary of Medicine, Nursing and Allied Health, current edition, Elsevier.

Mosby et al., Mosby's Dental Dictionary, current edition, Elsevier.

Mosby et al., Review Questions and Answers for Dental Assisting, current edition, Elsevier.

Appropriate auxiliary materials will be chosen at the time the course is offered from those currently available in the field. Examples include: State of Hawaii Department of Commerce and Consumer Affairs, Hawaii Administrative Rules Title 16, Chapter 79, Dentists and Dental Hygienists.

State of Hawaii Department of Commerce and Consumer Affairs, Hawaii Revised Statutes Chapter 448, Dentistry.

Revised 6/17/2009 course outline

9. Suggested Course Requirements and Evaluation

Linked to #5. Student Learning Outcomes (SLOs) and #6 Competencies/Skills/Issues

Specific course requirements are at the discretion of the instructor at the time the course is being offered.

Suggested requirements might include, but are not limited to:

- Prompt attendance is required at all class sessions. (I, II, a r)
- Students will be responsible for completing all assigned reading material in text before each class session. (I, II, a r)
- Complete various learning skills exercises. (I, II, a r)
- Complete various laboratory exercises. (I, II, a r)
- Complete all projects. (I, II, a r)

EVALUATION AND GRADING

 Weekly quizzes
 25 - 35% (I, II, a - r)

 Midterm
 10 - 20% (I, II, a - r)

 Lab assignments
 15 - 25% (I, II, a - r)

 Final exam
 25 - 35% (I - II, a - r)

 Attendance/ Attitude
 10% (I - II, a - r)

10. Methods of Instruction

Instructional methods will vary considerably by instructor. Specific methods are at the discretion of the instructor teaching the course and might include, but are not limited to:

- Participation in class lecture/ discussion.
- · Reading assigned portions in textbooks, journal articles, and/ or modules.
- Viewing various audiovisual materials.
- Participation in class exercises such as role-plays and simulations.
- · Demonstration and simulation.
- Discovery learning.
- · Group projects.
- 11. Assessment of Intended Student Learning Outcomes Standards Grid attached

Standard 6 Creativity Outcome 6 1: Generate responses to problems and challenges through intuition and non-linear thinking Outcome 6.2: Explore diverse approaches to solving a problem or addressing a challenge. Outcome 6.3: Engage in activities without a preconceived purpose. Outcome 6.4: Apply creative principles to discover and express new ideas. Outcome 6.5: Demonstrate the ability to just and follow one's insticts in the absence of external direction Outcome 6.6: Build upon or adapt the ideas of others to create unique expressions or solutions.	Standard 5 Critical Thicking Outcome 5.1 Identity and state problems, issues, arguments, and questions containing in a body of information Outcome 5.2 Identity and analyze assumptions and underlying points of view retaining to an issue or problem Outcome 5.2 Tecrnity and analyze assumptions and underlying points of view retaining to an issue or problem Outcome 5.2 Fermulate research questions that require descriptive and explanatory analyses. Outcome 5.4 Recognize and understand multiple modes of inquiry, including investigative methods based on observation and analysis Outcome 5.5 Evaluate a problem, distinguishing between relevant and irrelevant (aste, opinions, assumptions, issues, values, and biases through the use of appropriate evidence Outcome 5.6 Evaluate a problem destinguishing between relevant and irrelevant (aste, opinions, assumptions, values, and biases through the use of appropriate evidence Outcome 5.7 Synthesize information from various sources, drawing appropriate conclusions Outcome 5.9 Reflect upon and evaluate their thought processes, value system, and world views in comparison to those of theirs	Standard 4 Oral Communication Outcome 4.1 Identity and analyze the audience and purpose of any intended communication Outcome 4.2 Gather, evabules, select, and organize information for the communication Outcome 4.3 Use language techniques, and strategies appropriate to the audience and occasion Outcome 4.3 Designate and confidently, using the voice, volume, tone, and articulation appropriate to the audience and occasion Outcome 4.4 Speak clearly and confidently, using the voice, volume, tone, and articulation appropriate to the audience and occasion Outcome 4.5 Summarize, analyze, and evaluate oral communications and ask coherent questions as needed Outcome 4.6 Use competent oral expression to initiate and sustain discussions	Standard 3 Information Retrieval and Technology ethically and responsibly Outcome 3.1 Use print and electronic information technology ethically and responsibly Outcome 3.2 Demonstrate knowledge of basic vocabulary, concepts, and operations of information retrieval and technology Outcome 3.3 Recognize, identify, and define an information need Outcome 3.4 Access and retrieve information through print and electronic medica, evaluating the accuracy and authenticity of that information Outcome 3.5 Greate, manage, organize and communicate information through electronic media Outcome 3.6 Recognize changing technologies and make informed choices about their appropriateness and use	Standard 2. Quantities Reasoning Outcome 2.1 Apply numeric, graphic, and symbolic skills and other forms of quantitative reasoning accurately and appropriately Outcome 2.2 Demonstrate mastery of mathematical concepts, skills, and applications, using technology when appropriately Outcome 2.3 Communicate clearly and concisely the methods and results of quantitative problem solving Outcome 2.4 Formulate and test hypotheses using numerical experimentation Outcome 2.5 Define quantitative issues and problems, gather relevant information, analyze that information, and present results Outcome 2.6 Assess the validity of statistical conclusions	Outcome 1.1 Use writing to discover and articulate ideas Outcome 1.2 Identify and analyze the audience and purpose for any intended communication Outcome 1.3 Choose language, style, and organization appropriate to particular purposes and audiences Outcome 1.4 Capitalism and document sources appropriately. Outcome 1.5 Express a main idea as a ritests, hypothesis, or other appropriate statement Outcome 1.6 Develop a man idea clearly and concisely with appropriate content Outcome 1.7 Commonstrate a mastery of the conventions of writing, including grammar, spelling, and mechanics Outcome 1.9 Demonstrate proficiency in revision and sedting Outcome 1.9 Oevelop a personal voice in written communication	Grid of Maui Community College Student Learning Outcomes - Dental Assisting XEY: 3. Major Emphasis: The student is actively involved (uses, reinforces, applies, and evaluated) in the student learning outcome. The learner outcome is the focus of the class. 1. Minor Emphasis: The student uses, reinforces, applies and is evaluated by this teamer outcome, but it is not the focus of the class. 1. No Emphasis: The student is provided an opportunity to use, reinforce, and apply this teamer outcome, but it is not the focus of the class. 1. Outcome The student one is address in the learner outcome of the class of the class of the class. 1. Demonstrate an understanding of denial assistant roles including the legal, professional, and chical responsibilities within the community. 1. Demonstrate basic incorpials and stalls in biological science, denial address, the including the legal, professional, and chical responsibilities within the community. 1. Demonstrate an understanding of denial assistant roles including the legal, professional, and chical responsibilities within the community. 1. Demonstrate an understanding of denial assistant roles including the legal science, denial address, denial add
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