

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. Demonstrate all duties assigned to dental assistants to a standard level of clinical proficiency with supervision.
 - II. Describe orally and in writing, theoretical information and demonstrate all clinical skills and techniques previously experienced and learned in the dental assisting courses.
 - 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:

Pain Control

- a. Describe the importance of pain control in dentistry.
- b. Describe nitrous oxide/oxygen sedation and its use in dentistry.
- c. Discuss the importance of reducing the dental team's exposure to nitrous oxide.
- d. Discuss intravenous sedation and its use in dentistry.
- e. Discuss general anesthesia and its use in dentistry.

Cavity Preparation

- f. Describe the principles of cavity preparation.
- g. Discuss the differences in dental techniques with an amalgam versus a composite restoration.
- h. Discuss why retention pins would be selected for a complex procedure.
- i. Describe the need for placement of an intermediate restoration.
- j. Describe the procedure for placement of composite veneers.

Care of Adults and Medically Compromised Patients

- k. Describe the stages of aging in the older population.
- l. Review the importance of the medical history for the medically compromised patient.
- m. List the major medical disorders that may affect the way a patient is treated in the dental office.

Care of Pediatric Patients

- n. Describe the appearance and setting of a pediatric dental office.
- o. Discuss the pediatric patient and the stages experienced by children from birth through adolescence.
- p. Discuss the specific behavioral techniques that work as positive reinforcement in the treatment of children.
- q. Describe how children and adults with special needs are treated in a pediatric patient.
- r. List the steps involved in the diagnosis and treatment planning of a pediatric patient.

- s. Discuss the importance of preventive dentistry in pediatrics.

Oral Surgery Practice

- t. Describe the specialty of oral and maxillofacial surgery.
- u. Discuss the role of an oral surgery assistant.
- v. Discuss the role of the chain of asepsis during a surgical procedure.
- w. Identify the specialized instruments used for basic surgical procedures.
- x. Describe the surgical procedures typically performed in the general practice.
- y. Describe the type of post-operative care given to a patient after a surgical procedure.

Endodontic Practice

- z. Describe the diagnostic testing performed for endodontic diagnosis.
- aa. Discuss the materials used in endodontics.
- bb. Provide an overview of root canal therapy and different endodontic procedures.

Periodontal Practice

- cc. Describe the role of the dental assistant in the periodontal practice.
- dd. Explain the procedures necessary for a comprehensive periodontal examination, including radiographs.
- ee. Identify and describe the instruments used in periodontal therapy.
- ff. Identify the indications for placement of periodontal surgical dressings and describe the technique for proper placement.
- gg. Identify systemic conditions that can influence periodontal treatment.
- hh. Describe the types of nonsurgical periodontal therapy.
- ii. Describe the types of surgical periodontal therapy.

Orthodontic Practice

- jj. Describe the orthodontic practice environment.
- kk. Describe the types of malocclusion.
- ll. Discuss corrective orthodontics and what type of treatment is involved.
- mm. List the types of diagnostic records used to assess orthodontic problems.

Prosthodontic Practice

- nn. Describe prosthodontics and the role of the dental assistant.
- oo. List indications and contraindications for a fixed prosthesis.
- pp. Identify the role of a laboratory technician.
- qq. Describe the differences among full crowns, inlays, onlays, and veneer crowns.
- rr. Differentiate between a partial and a full denture; fixed versus removable appliances.
- ss. Identify indications and contraindications for removable partial and full dentures.
- tt. List the components of a partial denture and full denture.
- uu. Describe the steps in the construction of a removable partial denture.
- vv. Describe the steps in the construction of a full denture.
- ww. Identify home care instructions for removable partial and full dentures.
- xx. Identify the process of relining and repairing a partial and full denture.

Dental Equipment Maintenance

- yy. Describe the importance of maintaining dental equipment.
- zz. Describe techniques for troubleshooting, if equipment is not working properly.
- aaa. Demonstrate troubleshooting techniques.

Clinical Competencies

- bbb. Perform all dental assisting functions as defined in the Dental Practice Act, with no soft or hard tissue trauma.
- ccc. Instruct patients on oral hygiene care utilizing appropriate armamentarium.
- ddd. Present information accumulated during a dental examination in verbal or written form, documenting information in a clear, accurate, and appropriate manner.
- eee. Demonstrate knowledge and skills in the application of asepsis and infection control procedures for maintaining proper sterile and aseptic conditions in the dental office.
- fff. Demonstrate effective patient management.
- ggg. Demonstrate positive attitudes and work collaboratively with members of the dental team.

7. Suggested Course Content and Approximate Time Spent on Each Topic

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

15 weeks Externship in dental office and weekly seminars. Weekly seminars include:

- 1 week Pain Control (I, II, a, b, c, d, e)
- 1 week Cavity Preparation (I, II, f, g, h, i, j)
- 1 week Care of Adults and Medically Compromised Patients (I, II, k, l, m)
- 1 week Care of Pediatric Patients (I, II, n, o, p, q, r, s)
- 1 week Oral Surgery Practice (I, II, t, u, v, w, x, y)
- 1 week Endodontic Practice (I, II, z, aa, bb)
- 1 week Periodontal Practice (I, II, cc, dd, ee, ff, gg, hh, ii)
- 1 week Orthodontic Practice (I, II, jj, kk, ll, mm)
- 1 weeks Prosthodontic Practice (I, II, nn, oo, pp, qq, rr, ss, tt, uu, vv, ww, xx)
- 4 weeks Clinical Skills and Techniques (I, II, a - ggg)
- 2 weeks DANB Review and Preparation (I, II, a - xx, bbb - ggg)

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: Boyd, L., *Dental Instruments: A Pocket Guide*, current edition, Elsevier.

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.

Finkbeiner, B., *Four-Handed Dentistry: A Handbook of Clinical Application and Ergonomic Concepts*, current edition, Prentice Hall.

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

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.

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 - ggg)
- Students will be responsible for completing all assigned reading material in text before each class session. (I, II, a - ggg)
- Complete various learning skills exercises. (I, II, a - ggg)
- Complete various competency exercises. (I, II, bbb, ccc, ddd, eee, fff, ggg)
- Supervised clinical practice. (I, II, a - ggg)
- Attend clinical seminars. (I, II, a - ggg)
- Present at clinical seminars. (I, II, a - ggg)
- Complete all projects. (I, II, a - ggg)

Dental Assisting Program Portfolio

Summary of student learning documented and collated.

Community Service Participation

Two (2) community service events completed.

Dental Education Project

Oral hygiene presentation tailored to teach dental practices.

EVALUATION AND GRADING

Quizzes	10% (I, II, a - ggg)
Final exam	20% (I, II, a - ggg)
Portfolio	10% (I, II, a - ggg)
Community service	5% (I, II, a - xx)
Dental education project	5% (I, II, a - aaa)
Clinical/ Lab performance	50% (I, II, a - ggg)

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.
- Seminars.
- Guest speakers and field trips to specialty offices.
- Supervised clinical practice.
- Service and experiential learning.
- Discovery learning.

11. Assessment of Intended Student Learning Outcomes Standards Grid attached