

SYLLABUS

DHYG 244

CLINICAL DENTAL HYGIENE IV

3 credit hours

Catalog Description:

The clinical sessions combine both basic and advanced dental hygiene skills with time management techniques essential for private practice. Comprehensive patient care to include assessment, dental hygiene diagnosis, treatment planning, implementation and evaluation of dental hygiene care, nonsurgical periodontal therapy, adjunct clinical procedures, ultrasonic instrumentation, patient management, sealants, and comprehensive programs for control of dental diseases will be emphasized. Practical experience is simultaneously related to theory. Course consists of faculty supervised patient treatment in the clinic.

Prerequisites: DHYG 229, 233, 234, 235, 237

Co-requisites: DHYG 243, 245, 247 and enrolled in or completed with a C or above PSYC 120.

Semester Offered: Spring

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| <i>Common Student Learning Outcomes</i> | |
| <i>Upon successful completion of San Juan College programs and degrees, the student will....</i> | |
| <i>Learn</i> | <i>Students will actively and independently acquire, apply and adapt skills and knowledge to develop expertise and a broader understanding of the world as lifelong learners.</i> |
| <i>Think</i> | <i>Students will think analytically and creatively to explore ideas, make connections, draw conclusions, and solve problems.</i> |
| <i>Communicate</i> | <i>Students will exchange ideas and information with clarity and originality in multiple contexts.</i> |
| <i>Integrate</i> | <i>Students will demonstrate proficiency in the use of technologies in the broadest sense related to their field of study.</i> |
| <i>Act</i> | <i>Students will act purposefully, reflectively, and respectfully in diverse and complex environments.</i> |

Course Goals

1. The student will apply the theory, concepts, and skills involving comprehensive patient care at an advanced level to patients with AAP Class I, II, III, and IV with a clinical competency average of 85% or higher.
2. The student will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation as evidenced by an 85% or higher accuracy on learning assessments.

Learning Outcomes

- Expand patients' awareness of relationship between systemic and oral health
- Encourage patients' responsibility for oral health and role in successful therapy
- Recognize and respond to patients' psycho/social issues
- Effectively communicate with peers, patients, faculty and other health care providers
- Demonstrate critical thinking, problem solving and ethical decision making skills
- Demonstrate effective team partnerships
- Develop collaborative treatment modalities with partner, patient, dentist and other health professionals
- Select and use appropriate indices and assessments for initial, outcomes/ re-evaluation and health maintenance visits; i.e.: general health evaluation, intra-oral and extra-oral assessment, periodontal and dental evaluation, radiographic evaluation, functional occlusion, nutritional assessment.
- Evaluate the needs of patients, analyze the impact of assessment findings on treatment and prognosis and develop treatment plans and case presentations that recognize and incorporate the complexity of all patient needs
- Provide individualized treatment, education and patient care i.e., temporary restorations, debridement, root planing, margination, polishing restorations, antimicrobial therapy, sealants, desensitization, and nutritional counseling, referral for general or oral health concerns, pain and anxiety control, education, patient skill enhancement and appliance care.
- Provide individualized dental hygiene services to promote patient health on a variety of patients including children, adults, elderly, special needs, low income, edentulous/partially edentulous, bedridden and dependent.
- Increase production while maintaining quality

LEARNING OUTCOMES – ROTATIONS

RADIOLOGY/STERILIZATION: Upon completion of the rotation, the student will be able to:

1. Employ teamwork necessary for efficient dental clinic operations.
2. Assemble, disassemble, and utilize the automatic processor.
3. Critically evaluate and troubleshoot processing errors.
4. Critically evaluate and troubleshoot mechanical problems.
5. Anticipate and manage the needs of multiple clinicians.
6. Manage the clinic supply system.
7. Operate and maintain sterilization equipment.
8. Maintain the chain of asepsis during the sterilization process.
9. Demonstrate proper and appropriate use of PPEs during sterilization and radiology.
10. Adhere to OSHA Guidelines.
11. Ensure that cassettes are correctly labeled and returned to the correct clinician.

CLINICAL ASSISTANT: Upon completion of the rotation, the student will be able to:

1. Employ teamwork necessary for efficient clinic operation.
2. Use proper and appropriate PPEs and adhere to OSHA Guidelines.

3. Operate and maintain clinical equipment.
 - a. Vacuum
 - b. Compressor
 - c. Water system
4. Use acceptable 4 handed techniques.
5. Manage the clinic supply system.
6. Direct an efficient clinic flow.
7. Assist clinicians and faculty in the overall function of the clinic.
8. Independently evaluate, determine and meet the needs of other clinicians.
9. Maintain the general cleanliness and orderliness of the clinic.

OFFICE ASSISTANT: Upon completion of the rotation, the student will be able to:

1. Operate and maintain office equipment.
 - a. Computer
 - b. Copier
 - c. Fax
 - d. Shredder
 - e. Phone system
2. Adhere to HIPPA regulations.
3. Utilize practice management software.
4. Provide excellent customer service
5. Independently evaluate, determine and meet the needs of multiple clinicians.
6. Manage data entry.
7. Critically evaluate and audit charts.
8. Maintain a clean and organized office space.

****Several of these skills are learned in DHYG 221 (Dental BioMaterials) to lab competence. Students will perform these skills, when appropriate, to clinical competency during clinic under direct supervision of faculty.*

This syllabus developed by: Tammy Sanderson, RDH Date: August 27, 2010

This syllabus reviewed by: Dr. Julius N. Manz Date: August 27, 2010

COURSE GUIDE

DHYG 244

Clinical Dental Hygiene IV

(0 + 0+ 12) 3 credit hours

Instructor: Tammy Sanderson, BS, RDH

Office: (505) 566-3768

Home (000) 000-0000

Cell (000) 000-0000

Office 55322

Office hours: Monday 3-5, Thursday 1-5, Friday 8-12 or by appointment

Required Textbooks, Supplies and Materials:

- Clinical Practice of the Dental Hygienist, (1999) 8th ed., Wilkins, Esther, Philadelphia: Lippincott Williams & Wilkins
- Clinical Uniforms and instrument kits
- SJC Dental Hygiene Clinic Manual

Supplementary Textbooks, Supplies and Materials:

- Dental Hygiene, Concepts, Cases, and Competencies, (2004 Update), Daniel & Harfst. St. Louis: Mosby.
- Fundamentals of Periodontal Instrumentation, (2000). Nield - Gehrig and Houseman. Philadelphia: Lippincott Williams & Wilkins
- Dental Hygiene Theory and Practice, (1995). Darby, M. and Walsh, M. Philadelphia: W. B. Saunders Company.
- Mosby's Dental Drug Reference, (2003) 6th Editon. Gage, T. and Pickett, F. St. Louis: Mosby.
- Color Atlas of Dental Medicine, (1989), 2nd ed. Rateitschak, K. New York: Thieme.
- Current Journals and Literature

Instructor's Policies:

Preparation: During this course it is expected that the student prepare for class. This includes reading or viewing information prior to class. Students should be prepared to participate in active learning discussions in each class on the topic assigned for that day. Students are also expected to have patient charts reviewed and case presentations prepared prior to team meeting times.

Attendance Policy: Students are expected to be on time. **Attendance is required at all clinic sessions. If there are more than 9 hours of absence or patient cancellation, the student must make arrangements to make up the time.**

- Students must attend all clinic sessions and assigned internal rotations. If a patient cancels an appointment, or the student must be absent due to illness, etc., it is the student's responsibility to contact and reschedule the patient, and contact the office 566-3126 before the clinic session begins.

Any cancellations over 9 hours must be made up with patient care. If there is a cancellation that cannot be

filled, the student must be engaged in an educational activity for the entire clinical session. *This does NOT include studying for other classes.* Nor is it a time to write your papers or organize your notebooks. Acceptable activities include:

- Completing clinic skill evaluations
- Taking radiographs for other students
- Assisting other students utilizing 4-handed techniques.
- Reviewing Mini-Case studies (see options in clinic)
- Researching topics relating to patient care (see options in clinic)

Faculty may help identify acceptable activities but the student is responsible for taking the initiative to develop an appropriate learning experience.

Cancellation hours (over 9) may be made up by providing patient care in open chairs available in other senior clinic sessions.

Minimal Patient Requirements: There will be a minimum of Ten (10) patients completed with comprehensive care required for Clinic III. The following is a breakdown of the type of patients required to give each student a variety of experiences and levels of difficulty. Minimal patient requirements must be met in order to graduate. See grading rubric for comprehensive grading of clinic IV.

Minimal Patient Requirements

2 Difficult with reevaluation (**Not including board patients**- must be a TOTAL complete!)

4 Moderate

4 Easy

See clinic grading rubric below to determine difficulty of patient.

You will receive 11 points upon completion of the minimal patient requirements. Once the minimal patient requirements have been met, you may earn extra points for each additional patient.

Difficult patient WITH reeval = 3 points

Moderate adult = 2 points

Easy adult or yourth = 1 point

Pedo or mixed = .5

The maximum points available is 15

Quizzes and Exams: Generally speaking, this lab does not participate in conventional quizzes and exams. Clinical Skill Evaluations, Clinical Competencies, Mini-Mock Boards, and Mock Boards can be considered a form of quiz or exam, as the student must perform these skills without any input from the observing faculty.

- Clinical Skill Evaluations: Seven advanced clinical skill evaluations must be completed by the end of the second year. All clinical skill evaluations must be completed to a competency level (85%) or they must

be repeated until competency is reached. The following skill evaluations must be completed during the **second year** of clinic.

1. Margination
 2. Desensitization
 3. Anti-Microbial placement
 4. Bleaching
 5. N202
- **Clinical Competency Exam:** A clinical competency exam must be completed prior to the WREB Mock Board Exam. The competency exam differs from a mini-mock board in several ways. The competency exam requires only three (3) teeth to complete; it is an evaluation of calculus detection, hand instrumentation, ultra-sonic instrumentation, and root-planing. The competency exam requires one faculty person evaluating all aspects, must be completed within one clinic session, and requires specialized planning to accomplish this. All three selected teeth should be completed for the exam prior to completion of the quadrant. See the competency exam form for more information.

This exam must be passed with an 85% to obtain a passing score. You MUST preschedule this exam with the coordinator. ONLY two competencies will be conducted each clinic session.

- **Mini-Mock Boards: A minimum of three (3) mini-mock boards must be completed .** A mini-mock exam is to take place in the course of one clinic session, with the same faculty person doing the calculus detection as well as the calculus removal. The following are requirements for each mini-mock:
 - ❖ One quadrant with at least one molar in proximal contact,
 - ❖ 8 moderately clickable pieces of subgingival calculus,
 - ❖ At least 3 pieces of calculus on posterior teeth,
 - ❖ All calculus is to be removed with no input from faculty

If the student is having too much difficulty and needs instructional input from faculty, the mini-mock may be halted and instruction take place.

All mini-mock attempts will be averaged for a final grade in this section.

Maximum 2 mini-mocks per patient

- **WREB Mock Board Exam:** A mock board exam based on the Western Regional Examining Board clinical exam is scheduled for March 12th All attempts to find a WREB acceptable patient are to be made for this exam. **The clinical competency must be completed and passed at 85% by 10th, 2010 in order to take your Mock Board.**
This exam must be passed with a 75% to obtain a passing score.

Daily Clinical Evals: (DCE)

Each student will have their clinical performance graded for each day they are scheduled in clinic. This

semester there will be 31 clinical days possible for each student. If a student has an EXCUSED absence as deemed acceptable by the instructor, the scale will be adjusted.

There are 29 clinic-chair days, 10 possible points per day. The grading scale will be:

116 = 75%

155 = 80%

174 = 85%

218 = 90%

258 = 95%

290 =100%

Rotations:

Clinical rotation grade sheets will be averaged at the end of the semester. The student is responsible to be sure there is a rotation grade sheet in their graduation notebooks for each rotation assignment.

■ Reflection Papers: Students will be required to write a paper reflecting on the clinical experiences of that month. It should include; strengths, struggles, accomplishments, and goals for the upcoming month, and how you plan to achieve those goals. These papers are due the first Monday of each month, and will be placed in the graduation notebook after review by the instructor.

Reflection papers due: February 5nd

March 5nd

April 2nd

April 30th

Graduation note books to be turned in, completed, on May 4th

Pass Fail Section:

There are requirements that must be completed in order to pass clinic. These requirements will not receive a letter grade, just **Pass** or **Fail**. If they are not completed, you will **not** pass clinic. These requirements are:

- Your minimum patient requirements as noted on the semester rotation schedule.
- Reflection papers turned in on time
- Attendance
- Radiology Retake Log

Patient requirements are pass/fail. After you have met your minimum requirements, you need to keep your chair filled, doing quality work in order to gain points on your DCE.

Graduation notebook must be completed by end of semester, with all sections and documents in proper order.

Clinical Grading Rubric

Percentage weight of grade

| Evaluation Item | Preclinic | Clinic I | Clinic II (summer) | Clinic III | Clinic IV |
|----------------------------|-----------|----------|-----------------------|------------|-----------|
| CSE's | 40 | 15 | 20 | 5 | 5 |
| Mini-Mocks | 0 | 20 | 30 | 25 | 25 |
| Competencies | 20 | 15 | 0 | 20 | 20 |
| Radiology | 0 | 10 | 0 | 10 | 10 |
| Daily Clinic Evaluation | 40 | 25 | 35 | 25 | 25 |
| Patient care points | P/F | 15 | 15 | 15 | 15 |
| Total | 100 | 100 | 100 | 100 | 100 |

Graduation notebook must be completed by end of semester, with all sections and documents in proper order.

Sample student grade:

1. All Pass/Fail items must be completed for a Pass in those sections.

| 2. <u>Item</u> | <u>Student Grade</u> | <u>% of weight</u> | <u>total points</u> |
|----------------|----------------------|--------------------|---------------------|
| CSE- | 93% average | 5 | = 4.65 |
| Mini-mock | 79% average | 25 | =19.75 |
| Competency | 85% average | 20 | =17.0 |
| Radiology | 90% average | 10 | = 9.0 |
| Patient Care | minimal complete | 11 | =11.0 |
| <u>DCE</u> | <u>85% average</u> | <u>25</u> | <u>=21.25</u> |

Total 82.65 = B

Grade Scale:

90-100% = A 80-89% = B 75-79% = C

Lab/Clinic Usage: Students are not allowed in the lab or clinic without direct faculty supervision.

Professional Policy: All students are considered mature enough to seek faculty assistance and to monitor their own progress in meeting course requirements. Please refer to the Dental Hygiene Student Handbook for more information on Professional Qualities.

Course Outcomes Inventory: The effectiveness of DHYG 244 is measured by several methods:

1. Completion of all course work with a satisfactory grade.
2. Course evaluations.
3. Analysis of clinical application of material presented.
4. Scores on National and Regional Boards are reviewed and evaluated.

Accommodations Statement: Students who need accommodations (i.e. note taker, interpreter, special seating, etc.) need to provide accommodation notices to the instructor. Students can contact the Students with Disabilities on Campus (SDOC) Coordinator in the Counseling Center, located in the Clocktower Building, to make arrangements and provide documentation in accordance with the Americans with Disabilities Act of 1990.

You must complete the minimum requirements in order to graduate. NO EXCEPTIONS.
Your clinic time is valuable use it wisely . Always monitor your requirements as you are responsible for meeting all of your criteria to graduate !

Requirements Spring 2010:

Patients:

Difficult with reeval _____

Difficult with reeval _____

(Note- your board patient does not count as a difficult unless **completed with full re-ev**)

Moderate _____

Moderate _____

Moderate _____

Moderate _____

Easy Adult _____

Easy Adult _____

Easy Adult _____

Easy Adult _____

Others _____

Radiology

FMX _____ FMX _____

4 HBWX _____ 4VBWX _____

4 VBWX _____

Pano _____ Pano _____

CSE: (May have been done in previous semester)

Antimicrobial _____ Desensitize _____

Margination _____ Bleach _____

N2O _____

Mini Mock

1 _____ 2 _____

3. _____

Others _____

Competency Exam _____

Reflection papers due: February 5nd

March 5nd

April 2nd

April 30th

Graduation note books to be turned in, completed, on May 4th