

SYLLABUS
DHYG 234 CLINICAL DENTAL HYGIENE III

San Juan College

Division: Math, Science and Health Careers

(0 + 0 + 12) 3 hours credit

Catalog Description:

A continuation of clinical skills, patient assessments, treatment and appointment scheduling, preventive techniques and application of dental hygiene procedures at the intermediate to advanced level. Work-based instruction that helps students synthesize new knowledge, apply previous knowledge or gain experience managing the workflow. Practical experience is simultaneously related to theory. Direct supervision is provided by the clinical faculty in a clinical setting.

Semester Offered: Fall

Prerequisites: DHYG 225 and HLTH 118. Co-requisites: DHYG 231, 233, 235, 237, and enrolled in or completed with a "C" or above SOCI 110.

<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 intermediate to advanced level to patients with AAP Class I, II, and III with a clinical competency average of 75% 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 a 75% or higher accuracy on learning assessments.

General Learning Objectives

- 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
- Communicate effectively 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, and vitality testing**.
- 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: debridement, root planing, margination, polishing restorations, antimicrobial therapy, sealants**, desensitization, referral for general or oral health concerns, pain and anxiety control, education, patient skill enhancement, 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, homebound, bedridden and dependent.
- Increase production while maintaining quality
- Comply with OSHA standards
- Maintain equipment and units
- Improve scheduling and record keeping skills
- Provide support services for safe and efficient clinic i.e., office, sterilization, radiographic, and assisting duties

*** 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.*

COURSE GUIDE

DHYG 234

Clinical Dental Hygiene III

(0 + 0+ 12) 3 credit hours

Instructor: Paula Spaight BS, RDH

Office Phone: 566- 3763

Office: 55325

Office Hours: Thursday 4 – 5pm and by appointment

Required Textbooks, Supplies and Materials:

- Clinical Practice of the Dental Hygienist, (2005) 9th ed., Wilkins, Esther, Philadelphia: Lippincott Williams & Wilkins
 - Dental Hygiene, Concepts, Cases, and Competencies, (2004 Update), Daniel & Harfst. St. Louis: Mosby.
 - Fundamentals of Periodontal Instrumentation 5th Edition, (2004). Nield - Gehrig and Houseman. Philadelphia: Lippincott Williams & Wilkins
- Dental Hygiene Theory and Practice, (1995). Darby, M. and Walsh, M. Philadelphia: W. B. Saunders Company.

Supplementary Textbooks, Supplies and Materials:

- Drug Information Handbook for Dentistry, 10th Edition, (2005). Wynn, R. Meiller, T. and Crossley, H. Ohio: Lexi-Comp.
- Color Atlas of Dental Medicine, (1989), 2nd ed. Rateitschak, K. New York: Thieme.
- SJC Dental Hygiene Clinic Manual
- Current Journals and Literature
- Uniforms and Instrument Kit

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.

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 by November 30, 2006, or accept the appropriate grade.**

- 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 Paula Spaight and Denise** in the clinic 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
- Practicing instrumentation skills
- Practicing anesthesia
- Taking radiographs for other students
- Sharpening instruments
- Case studies (see options in clinic)
- Research (see options in clinic)
- Faculty will identify acceptable activities and the student is responsible for taking the initiative to develop an appropriate learning experience.
- Hours (over 9) may be made up by providing patient care in open chairs available in other **senior** clinic sessions. See Paula to schedule this time.

Patient Requirements: There will be a minimum of eleven (11) 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. 30 points will be awarded for meeting the minimal patient requirements, 15 points will be awarded if only 10 patients are completed and 0 points if 9 or less are completed. Up to 3 additional points may be earned if more than 11 patients and all minimal requirements are met.

Minimal Patient Requirements

- 3 Active case type III/IV **with comprehensive therapy and re-evaluation**
- 3 Case type II Active or higher
- Nursing Home requirements effectively met
- 3 Case type I/0 or higher
- 1 Pedo Mixed Dentition
- 1 Pedo under 8

If more difficult patients are seen in the required 11, no additional points will be earned until the 12th patient is completed. The difficulty level will enhance the students' skill level and provide intrinsic benefits.

The various types of patients by level of difficulty and extra points earned for the 12th or more patients are listed below:

Case Type by Difficulty	Points for Additional patients
Class IV Active Class III Active	3
Class IV Maintenance Class III Maintenance Class II Active	2
Class II Maintenance Class I Adult Class O Adult Youth or Pedo	1

As noted in the chart above, a Class III Maintenance patient is more difficult than a Class II Active patient, due to the amount of bone loss, treatment planning and instrumentation skill that is required to treat such a case.

Oftentimes, a student may see additional patients during the course of the semester, and once the minimal patient requirements (32 points) are met, credit for those additional patients will be given in the form of extra points (maximum of 15 points).

The minimal patient requirements have been determined using the following levels of difficulty and number of clinic sessions necessary for comprehensive therapy and re-evaluation for each level.

- Active Case III ~ 6 clinic sessions each
- Active Case II ~ 3 clinic sessions each
- Case I ~ 1 clinic session each
- Children ~ 1 clinic session each

This calculates that the total clinic sessions needed to meet minimal requirements would = 29. Each student in DHYG 234 is scheduled in either 29 or 30 clinic sessions for patient treatment. Efficient use of time can allow a student to increase the number of patients seen. One should also note that more than one patient can be seen during a clinic session, for example, as the student clinician gains experience, a child patient may only take ½ of a full clinic session.

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

While many of the evaluations and competencies have deadlines, it should be noted that the student should try to complete these requirements **before** the due date. This essentially allows the student to advance at his/her own pace and skill level. The clinical skill evaluations with the **October 4th** deadline will help prepare the student for taking the clinical competency exam by **October 25th**. Likewise, the mini-mock board deadline of **November 15th**, as well as the clinical competency exam, will help prepare the student for the Mock Board on **November 17th**. The Mock Board exam should be considered as the Clinical Final Exam.

The student should understand that in order to graduate from the program, the Fall Semester mock board must be passed with a 75% competency. In order to be eligible to take the mock board, required CSE's; mini-mocks and competency exams must be passed at an 85% competency by the assigned date. Therefore, this requires the student to adequately prepare and practice to pass the required CSE's at a competent level in order to proceed through the course.

- **Clinical Skill Evaluations**(CSE) Seven advanced clinical skill evaluations must be completed by the end of the fall semester. **These evals should be treated as a QUIZ with no faculty instruction or intervention.** All clinical skill evaluations must be completed at the required level or they must be repeated until competency is reached.
- The following CSE's must be completed by the following due dates. The Gracey and Ultrasonic CSE must be completed before attempting the Competency Exam.

Clinical Skill Evaluation	Skill Level Required	Date Due
1. Gracey Instrumentation	Competent (85%)	October 4
2. Sealant	Competent (85%)	October 4
3. Ultrasonic	Intermediate (75%)	October 18
4. Appliance Care	Competent (85%)	October 4
5. Air polish	Intermediate (75%)	November 21
6. Desensitization	Intermediate (75%)	November 21
7. Anti-Microbial placement	Intermediate (75%)	November 21

- **Clinical Competency Exam:** Deadline - October 25th. All required CSE scores must be at the competent level. Successful completion of the clinical competency exam will allow the student the opportunity to take the 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, and ultra-sonic instrumentation. The competency exam requires one faculty person evaluating all aspects, should be completed within one clinic session, and requires specialized planning on the part of the student 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 regarding requirements.

All portions of the competency exam must be passed with an 85%. If unsuccessful on the first attempt, the student will be allowed **one retake** to pass the failed portion of the exam, but will only receive a passing grade of 85%. The deadline for any retake is November 8th. If the student is unable to pass any portion of the competency exam at 85% on the 2nd attempt, that student will not be allowed to take the Mock Board exam.

- **Mini-Mock Boards:** A minimum of three (3) mini-mock boards must be completed by November 15th. A mini-mock exam should be considered as an exam. Successful completion of three mini-mock exams will allow the student the opportunity to

take the Mock Board exam. Mini-mocks are to take place in the course of one clinic session, with the *same* faculty person grading the calculus detection as well as the calculus removal. Point deductions in grading of the mini-mock will include tissue trauma as well as calculus removal.

Passing grade for the mini-mock will consist of an 85% on BOTH detection and removal of calculus in the same quadrant.

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 hand instruments only, with no input from faculty; however, the ultrasonic may be used upon instructor approval, if calculus is heavy or tenacious.

If the student is having too much difficulty and needs instructional input from faculty, the mini-mock may be halted and instruction will take place. All mini-mock attempts will be recorded on the Case Management forms, however, only those mini-mocks performed at 85% competency for both detection and removal will count toward the students' final grade.

- Should a student be unable to complete the 3 required mini-mock exams by the November 15th deadline at an 85% competency level, that student will not be allowed to sit for the Mock Board Exam on November 17th.
- **Mock Board Exam:** A mock board exam based on the Western Regional Examining Board (WREB) clinical exam is scheduled for Friday November 17, 2006. **The Mock Board exam should be considered as the Clinical Final Exam.** All attempts to find a WREB acceptable patient are to be made for this exam.
- Because this exam occurs with no direct faculty observation or instruction, all CSE's, competencies and mini-mocks must be successfully completed prior to this time, to ensure student competence and patient safety. If these clinical evaluations have not been successfully completed, the student will not be allowed to take the Mock Board exam.

The Mock Board exam must be passed with a 75% to obtain a passing score for fall semester. If unsuccessful on the first attempt, the student will be allowed one retake (on Friday, December 1stst) to pass the exam, but will only receive a passing grade of 75%, no matter how high the score. If the student is unable to pass on the 2nd attempt, the result will be failure out of the class.

Radiography Requirements: By **October 12th**, each student will have taken 1 set of BWX (not Digital) to be graded for an 85% competency for both Interpretation and Technique. The student will need to declare the graded set **prior** to exposing the films. (i.e. "I am going to take BWX for Mrs. Jones today and I will submit these for my clinic requirement and grading.") Radiographic Interpretation and Technique grade sheets will be completed by the student and then graded by Faculty. The grade sheets will be turned in to the clinical coordinator to be recorded, and then returned to the student so they may be placed in the graduation notebook. If 85% accuracy is not attained on each grade sheet, 2 additional attempts (after tutoring) may

be made to reach competency. However, when a 2nd or 3rd set of radiographs are submitted with a score of 85% or above, the student will have met competency, but will not receive any points toward the clinic grade. If an 85% cannot be attained by the 3rd attempt, the student must successfully complete a Radiographic update course. If the student cannot successfully complete the update course, the student will not graduate from the program.

Each student is required to take enough radiographs to meet graduation requirements by the end of their senior year as listed in the clinic manual and in the table of grading requirements listed at the end of this syllabus. **All radiographs meeting those requirements must have both Interpretation and Technique paperwork written up and self-evaluated by the student** taking the radiographs and graded by Faculty. It is the responsibility of each student to keep track of his/her requirements and to have all graded paperwork in their graduation notebook. The Retake Log is also to be kept up to date for this semester, and turned in with the Graduation Notebook.

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 234 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.

Clinic Grading:

Clinic is a Graded class. To pass clinic a minimal grade of “C” is required. To achieve a “C”, 75% is required. To achieve a grade of “B” or higher, high levels of achievements on graded procedures will provide additional points toward achieving maximum points. The following categories will determine each student’s grade:

Graduation Notebook	10%
Attendance./ Goals	20%
CSE/ Radiology/ Mini-Mock	30%
Competency exam/ Mock Board	40%
Total of the above graded activities = 95% of overall grade	
Patient Requirements + Extra Patients	5%

Graded Clinical Activities Minimal Requirements	For a “C” grade	Explanation or Additional Points Earned towards Higher Grade	Notes																																
<p>11 patients minimum. Minimal Patient Requirements</p> <ul style="list-style-type: none"> • 3 Active case type III/IV with comprehensive therapy and re-evaluation • 3 Case type II Active or higher • 3 Case type I/O or higher • 1 Pedo Mixed Dentition • 1 Pedo under 8 	<p>3X5=15 3X3=9 3X1= 3 + 3 + 1 + 1 ----- 32 points</p>	<p>Pts awarded for extra patients only after minimum requirements are met:</p> <p>Maximum Total points possible = 45XXX</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Class IV Active Class III Active</td> <td style="width: 20%; text-align: center;">3</td> </tr> <tr> <td>Class IV Maintenance Class III Maintenance Class II Active</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Class II Maintenance Class I Adult Class O Adult Youth or Child</td> <td style="text-align: center;">1</td> </tr> </table>	Class IV Active Class III Active	3	Class IV Maintenance Class III Maintenance Class II Active	2	Class II Maintenance Class I Adult Class O Adult Youth or Child	1	<p>All requirements deficient from previous semesters must be made up.</p> <p>Active Case III ~ 6 clinic sessions each Active Case II ~ 3 clinic sessions each Case I ~ 1 clinic session each Children ~ 1 clinic session each</p> <p>Total clinic sessions needed to meet minimal requirements = 29 Efficient use of time can increase number of patients.</p>																										
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<p>Clinical Skill Evaluations</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 25%;">CSE</th> <th style="width: 15%;">Score</th> <th style="width: 15%;">Date</th> <th style="width: 45%;">Points</th> </tr> </thead> <tbody> <tr> <td>Gracey Instrumentation</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sealant</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Ultrasonic</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Air polish</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Desensitization</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Appliance Care</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Anti-Microbial</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	CSE	Score	Date	Points	Gracey Instrumentation				Sealant				Ultrasonic				Air polish				Desensitization				Appliance Care				Anti-Microbial				<p>35</p>	<p>5 points for each CSE completed at <u>minimum</u> requirements (85% or 75%).</p> <p>Add additional Quality pts for higher grade of 75% CSE: 95-100% = 2 points 90-94% = 1.5 points 85-89% = 1 point 76-84% = .5 point</p> <p>For a CSE of 85%: 95-100% = 2 points 90-94% = 1.5 points 86-89% = 1 point</p> <p>Maximum points possible = 49</p>	<p style="text-align: center;">CSE’s to Complete By Oct. 4th</p> <p>Gracey Instrumentation 85% Sealant 85%</p> <p style="text-align: center;">Ultrasonic 75% Oct 18th</p> <p style="text-align: center;">To Complete by Nov 21th</p> <p>Appliance Care 85% Air polish 75% Desensitization 75% Anti-Microbial placement 75%</p>
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<p>Clinical Competency Exam: Scores</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Detection</th> <th>Hand</th> <th>Ultrasonic</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Date	Detection	Hand	Ultrasonic					18	<p>Additional Quality points for each portion of the exam. 95-100% = 2 points 90-94% = 1 points 86-89% = .5 points</p> <p>Maximum points possible = 24</p>	<p>Only one retake may taken for any failed portion.</p> <p>Passing = 85% = 6 points for each portion.</p> <p>Retake = 85% regardless of score.</p>								
Date	Detection	Hand	Ultrasonic																
<p>Mini Mock Board scores (54 points possible)</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Quad</th> <th>Detection</th> <th>Removal</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Date	Quad	Detection	Removal													42	<p>Additional Quality Points: 95-100% = 2 points 90-94% = 1 point 86-89% = .5 point</p> <p>Maximum points possible = 54</p>	<p>Passing = 85% = 7 points for each part of required mini-mock + quality points.</p> <p>Additional passing mini-mocks = 1 points each, regardless of score over 85%.</p>
Date	Quad	Detection	Removal																
<p>Mock Board Score = _____</p>	25	<p>Additional Quality points: 95-100% = 8 points 90-94% = 6 points 85-89% = 4 points 80-84% = 2 points 76-79% = 1 point</p> <p>Maximum points possible = 33</p>	<p>Passing = 75% = 25 points</p>																
<p>Goal Sheets/ Rotation Evaluations/ Daily Clinic Log</p> <p>1 for every clinic patient session</p> <p>*Points will be deducted for unacceptable scores in the professional qualities box</p>	33	<p>44= 16 out of 16 possible points on all goal sheets for each clinic session. Lower score will be dependent on points received on each goal sheet.</p>	<p>It is not necessary to complete a Goal sheet when on rotation.</p> <p>Make entries in Daily Clinic Log</p> <p>All forms must be properly signed to count.</p>																
<p>Graduation Notebook</p>	7.5	<p>10 = complete and excellent organization in proper format 8 = complete & good organization in proper format 5 = Minor items missing and / or not well organized 0 = many items missing and / or not very organized.</p>																	
<p>Attendance: 10 points possible. Points are only earned for regularly scheduled clinics.</p>	7.5	<p>10 points earned for patient tx or rotation for all clinics.</p> <p>8 points for patients in all but 1 clinic, and non-patient time used effectively.</p> <p>6 points for 1 unexcused absence or poor utilization of time.</p>	<p>No more than 9 hours of cancellations or absences. All absences or cancellations over 9 hours MUST be made up with patient care hours. Cancellation activities must be and submitted, not just recorded in Daily Clinic Log.</p>																

Radiography: <ul style="list-style-type: none"> 1 set of BWX (not Digital) to be graded for an 85% competency on interpretation and technique each. See Syllabus for details. 	10	Interpretation and Technique gradesheets will each be evaluated for quality with the following points. 95 – 100% = 7 points 90 – 94% = 6 points 85 – 89% = 5 points 2 nd or 3 rd attempt or Below 85% = 0 points Maximum points possible = 14	Complete Graduation Requirements <ul style="list-style-type: none"> 8 – FMX 6 – Pano 6 – HBWX 4 – Vert. BWX 4 – Mixed dent. or Pedo BWX 4 – Occl.
			<ul style="list-style-type: none"> 2 – Digital BWX 6 – Digital PA's
			<ul style="list-style-type: none"> OR 1 Digital FMX
Patient recare list in required Excel specific format in both: <ul style="list-style-type: none"> Electronic form Hard copy (Required for pass)			Do Not separate patient list by semester. Be sure all columns are in correct order and filled in with proper notations
Grade Computation of the given points	75%	Passing Grade of C	

- A dental hygienist must exhibit professionalism through the application of a professional code of ethics. Unprofessional conduct will be reflected in the grade and may be grounds for dismissal. Refer to Clinic Manual for further information.
- ** A final grade below a "C" (75%) constitutes dismissal from the Dental Hygiene Program.