

Weber State University  
Biennial Report on Assessment of Student Learning

Cover Page

Department/Program: Dental Hygiene Department/Dental Hygiene Program  
Academic Year of Report: 2018/19 (covering Summer 2017 through Spring 2019)  
Date Submitted: 12/3/2019  
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**A. Brief Introductory Statement:**

Please review the Introductory Statement and contact information for your department or academic program displayed on the assessment site: <http://www.weber.edu/portfolio/departments.html> - if this information is current, please place an 'X' below. No further information is needed.

**Information is current; no changes required.**

Update if not current:

**B. Mission Statement**

Please review the Mission Statement for your department or academic program displayed on the assessment site: <http://www.weber.edu/portfolio/departments.html> - if the mission statement is current, please place an 'X' below.; If the information is not current, please provide an update:

**Information is current; no changes required.**

Update if not current:

**C. Student Learning Outcomes**

Please review the [Student Learning Outcomes](#) for your academic program displayed on the assessment site: <http://www.weber.edu/portfolio/departments.html>. In particular, review in light of recent strategic reporting and indicate any needed updates. If the outcomes are current, mark below.

**Information is current; no changes required.**

Update if not current:

**D-1. Curriculum-**

*“A collection of courses is not a program. A curriculum has coherence, depth, and synthesis.”*

(Linda Suskie; presentation at NWCCU Assessment Fellowship, June 19, 2019)

Please review the [Curriculum Grid](http://www.weber.edu/portfolio/departments.html) for your department or academic program displayed on the assessment site:

<http://www.weber.edu/portfolio/departments.html>.

Indicate in the curriculum grid where graduating student performance is assessed for each program outcome. In the ‘additional information’ section, please provide information about these assessments (e.g., portfolios, presentations, projects, etc.) This information will be summarized at the college and institutional level for inclusion in our NWCCU reporting on student achievement.

Curriculum Map Format

	<u>Department/Program Learning Outcomes</u>						
	<u>Learning Outcome 1</u>	<u>Learning Outcome 2</u>	<u>Learning Outcome 3</u>	<u>Learning Outcome 4</u>	<u>Etc...</u>		
Courses in Department/Program							

*Note<sup>a</sup>*: Define words, letters or symbols used and their interpretation; i.e. 1= introduced, 2 = emphasized, 3 = mastered or I = Introduced, E = Emphasized, U = Utilized, A = Assessed comprehensively; these are examples, departmental choice of letters/numbers may differ

*Note<sup>b</sup>*: Rows and columns should be transposed as required to meet the needs of each individual department

Additional Information (details about graduating student assessment):

**D-2. High Impact Educational Experiences in the Curriculum**

In response to the recent USHE requirement that all students have at least 1 HIEE in the first 30 credit hours and 1 HIEE in the major or minor we are asking programs to map HIEEs to curriculum using a traditional curriculum grid. This helps demonstrate how and where these goals are accomplished.

Courses	Department/Program use of High Impact Educational Experiences						
	Clinic Experience	Community-Engaged Learning	Career Development Experience	Capstone	Etc...		
<u>DENT 2208</u>	X						
<u>DENT 2216</u>	X						
<u>DENT 3336</u>	X						
<u>DENT 3346</u>	X						
<u>DENT 3337</u>		X					
<u>DENT 3347</u>		X	X				
<u>DENT 4780</u>				X			

HIEEs include capstone courses or experiences, community-engaged learning, evidence-based teaching practices, internships, project-based learning, study abroad/away, supplemental instruction, team-based learning, undergraduate research, pre-professional/career development experiences.

Additional information (HIEE planning, assessment, or other information):

### E. Assessment Plan

Please update the Assessment Plan for your department displayed on the assessment site: <http://www.weber.edu/portfolio/departments.html>. Keep in mind that reporting will be done biennially instead of annually; that should be reflected in your assessment plan. Please ensure that Gen Ed courses are assessed/reported at least twice during a standard program review cycle.

A complete plan will include a list of courses from which data will be gathered and the schedule, as well as an overview of the assessment strategy the department is using (for example, portfolios, or a combination of Chi assessment data and student survey information, or industry certification exams, etc.), and plans for continuous improvement.

Assessment plan:

	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
<b>DENT 2201</b> Concepts of Community Oral Health (Didactic)		review			review
<b>DENT 2205</b> Head/Neck/Dental Anatomy (Didactic)		review			review
<b>DENT 2206</b> Clinical Dental Hygiene I/Rad (Clinic/Lab)	review			review	
<b>DENT 2207</b> Dental Hygiene I (Didactic)	review			review	
<b>DENT 2208</b> Radiology (Didactic)	review			review	
<b>DENT 2250</b> Professional Ethics (Didactic)		review			review
<b>DENT 2211</b> Oral Pathology (Didactic)		review			review
<b>DENT 2215</b> Periodontology (Didactic)		review			review
<b>DENT 2216</b> Clinical Dental Hygiene II (Clinic)		review		review	review
<b>DENT 2217</b> Dental Hygiene II (Didactic)		review		review	review
<b>DENT 2235</b> Dental Medicine I (Didactic)	review				

<b>DENT 2219</b> Dental Materials (Didactic/Lab)	review				
<b>DENT 3305</b> Dental Medicine II (Didactic/Lab)		review			review
<b>DENT 3336</b> Clinical Dental Hygiene III (Clinic)			review		
<b>DENT 3337</b> Dental Hygiene III (Didactic)			review		

### **On-going Assessment Plan with Curriculum Review**

On a three-year on-going schedule, courses will be presented by the individual teaching faculty to the department curriculum committee. The course goals, objectives, competencies and assessments will be reviewed.

Annually, curriculum review is part of the major department meetings pre-fall semester, end of fall semester and end of spring semester. Overall measures of specific data that include a student portfolio that is representative of DENT 2206, DENT 2216, DENT 3336, and DENT 3346 encompassing all four semesters of the clinical dental hygiene course work with examples of experiences with patient treatment, projects that demonstrate growth in learning to a level representative of a graduating dental hygiene student. Chi Tester assessment data for all courses is presented along with Dental Hygiene certifying examinations (Western Regional Examining Board (WREB)) and the American Dental Association Commission on Dental Accreditation written examination. Chi-tester examinations are used in each course that has computer based examinations; students are surveyed to gather information and employers of our recent graduates are surveyed for feedback.

### **F. Report of assessment results for the most previous academic year:**

There are a variety of ways in which departments can choose to show evidence of learning. This is one example. The critical pieces to include are 1) learning outcome being assessed, 2) method(s) of measurement used, 3) threshold for ‘acceptable – that is, the target performance, 4) actual results of the assessment, 5) interpretation/reflection on findings 6) the course of action to be taken based upon the interpretation, and 7) how that action will be evaluated.

#### **A. Evidence of Learning: Courses within the Major**

**Evidence of Learning: Goals, Learning Outcomes, Measurement, Interpretation of Findings & Action Plan/Use of results**

<b>DENT 2201 Concepts of Community Dental Health (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Result/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	<ul style="list-style-type: none"> <li>•Describe the history and progress of the nation’s department of public health and dental public health</li> <li>•Report on the outcomes and findings of the Surgeon’s General Report on Oral Health in America: Defining Challenges for the Future (2000)</li> </ul>	Measure 1: in class written quizzes (1 per topic) and in-class discussion	Measure 1: 95% of students scored 80% or better on all quizzes	Measure 1: Students successfully demonstrated knowledge and application to dental hygiene practice scenarios	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 2: Students passed the community dental health section/questions on the National Board Exam	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No curricular or pedagogical changes needed at this time
		Measure 3: Midterm and Final Examination (Chitester)	Measure 3: Students pass the course computer-based delivery examinations at a	Measure 3: Students demonstrate knowledge mastery on	Measure 3: No curricular or pedagogical changes needed at this time



<b>DENT 2201 Concepts of Community Dental Health (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Result/Closing the Loop</i>
			score of 75% or better	internal examinations	
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	•Demonstrate a working knowledge of the U.S. Dental Care Delivery and Managed Care systems and identify those programs at the state level that are in place to aid in access to dental health care	Measure 1: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 1: Students passed the community dental health section/questions on the National Board Exam	Measure 1: Students demonstrate mastery in external examinations	Measure 1: No curricular or pedagogical changes needed at this time
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	•Identify a community dental health issue, plan and organize the implementation of a program to address the issue, implement the program and evaluate the program=s outcomes and	Measure 1: Students were required to develop a community dental health program and present their plan in class	Measure 1: All students demonstrated competence and appropriate knowledge of community dental health program development , implementation, assessment and evaluation	Measure 1: Students successfully demonstrated competence; judgment, reasoning and appropriate problem-solving skills	Measure 1: No curricular or pedagogical changes needed at this time

<b>DENT 2201 Concepts of Community Dental Health (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Result/Closing the Loop</i>
	identify strategies for improvements	Measure 2: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 2: Students passed the community dental health section/questions on the National Board Exam	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No curricular or pedagogical changes needed at this time
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	•Demonstrate a working knowledge of the U.S. Dental Care Delivery and Managed Care systems and identify those programs at the state level that are in place to aid in access to dental health care	Measure 1: In-class written quizzes (1 per topic) and in-class discussion	Measure 1: All students scored 90% or better on quizzes	Measure 1: (Ex. Students successfully demonstrated knowledge and application to dental hygiene practice scenarios	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 2: Students passed the community dental health section/questions on the National Board Exam	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No curricular or pedagogical changes needed at this time

<b>DENT 2201 Concepts of Community Dental Health (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Result/Closing the Loop</i>
		Measure 3: Midterm and Final Examination (Chitester)	Measure 3: Students pass the course computer-based delivery examinations at a score of 75% or better	Measure 3: Students demonstrate knowledge mastery on internal examinations	Measure 3: No curricular or pedagogical changes needed at this time
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	Learning Outcome •Demonstrate a working knowledge of the U.S. Dental Care Delivery and Managed Care systems and identify those programs at the state level that are in place to aid in access to dental health care  •Identify a community dental health issue, plan and organize the implementation of a program to	Measure 1: Students were required to develop a community dental health program and present their plan in class	Measure 1: All students demonstrated competence and appropriate knowledge of community dental health program development , implementation, assessment and evaluation	Measure 1: Students successfully demonstrated competence; judgment, reasoning and appropriate problem-solving skills	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 2: Students passed the community dental health section/questions on the National Board Exam	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No curricular or pedagogical changes needed at this time

<b>DENT 2201 Concepts of Community Dental Health (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Result/Closing the Loop</i>
	address the issue, implement the program and evaluate the program=s outcomes and identify strategies for improvements				
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	•Identify a community dental health issue, plan and organize the implementation of a program to address the issue, implement the program and evaluate the program's outcomes and identify strategies for improvements	Measure 1: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 1: Students passed the community dental health section/questions on the National Board Exam	Measure 1: Students demonstrate mastery in external examinations	Measure 1: No curricular or pedagogical changes needed at this time

**DENT 2205 Head and Neck Anatomy (Major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	<ul style="list-style-type: none"> <li>•be able to identify the normal dentition and its anatomical landmarks</li> <li>• properly label a human skull and be able to support or justify the labeling in an oral presentation to the instructor</li> <li>•Answer questions concerning the different sections discussed in anatomy class</li> </ul>	Measure 1: Students will be able to identify the normal dentition and its anatomical landmarks	Measure 1: The majority of the class accomplished the goal by achieving a 90% or greater score	Measure 1: Students successfully demonstrated knowledge and interpretation skills	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Score earned by proper identification of structures and answering questions correctly	Measure 2: The majority of the class accomplished the goal by achieving a 90% or greater score	Measure 2: Students successfully demonstrated knowledge and interpretation skills. Students showed mastery of labeling the model human skull	Measure 2: No curricular or pedagogical changes needed at this time
		Measure 3: Students will take 5 test throughout the semester concerning the	Measure 3: All tests are given through ChiTester. Students passed examinations at	Measure 3: Students demonstrate knowledge mastery on	Measure 3: Based on the results of a few questions asked in the test some questions were

<b>DENT 2205 Head and Neck Anatomy (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		different sections taught Midterm and Final Examination (Chitester)	88% or higher combined score	internal examinations.	modified to be clearer, and some questions were removed from the tests.
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	•Demonstrate a fundamental knowledge of head and neck and dental anatomy	Measure 1: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 1: Students passed the head and neck and dental anatomy section/questions on the National Board Exam	Measure 1: Students demonstrate mastery in external examinations	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Successfully pass sequential clinical courses that follow this course	Measure 2: Students use course knowledge in clinical courses	Measure 2: Students demonstrated competence; transfer of knowledge into advanced dental hygiene courses	Measure 2: No curricular or pedagogical changes needed at this time
Goal 3: The reasoning and judgment skills necessary to engage	•Identify anatomy of the head and neck and dental anatomy as related	Measure 1: Successfully pass sequential clinical	Measure 1: All students demonstrated appropriate	Measure 1: Students successfully demonstrated	Measure 1: No curricular or pedagogical changes needed at this time

<b>DENT 2205 Head and Neck Anatomy (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
in problem-solving behavior	to common anomalies	courses that follow this course	knowledge of head, neck and dental anatomy	competence; judgment, reasoning , appropriate fundamental problem-solving skills	
		Measure 2: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 2: Students passed the anatomy section/questions on the National Board Exam	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No curricular or pedagogical changes needed at this time
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	Learning Outcome • Students will identify structures associated with cranial anatomy by naming labeled items on a lab type test and answering any posed questions on the subjects	Measure 1: In-class written quizzes and in-class discussion	Measure 1: All students scored 80% or better on quizzes	Measure 1: (Ex. Students successfully demonstrated knowledge and application to fundamental dental hygiene	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2:	Measure 2:	Measure 2: Students	Measure 2: No curricular or

<b>DENT 2205 Head and Neck Anatomy (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		Dental Hygiene National Board Examination scores (comprehensive written examination)	Students passed the anatomy section/questions on the National Board Exam	demonstrate mastery in external examinations	pedagogical changes needed at this time
		Measure 3: Six examinations throughout the semester (ChiTester)	Measure 3: Students passed computer-delivered examinations at a score of 88% or better combined scores	Measure 3: Students demonstrate knowledge mastery on internal examinations	Measure 3: No curricular or pedagogical changes needed at this time
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	• Students will identify anatomical structures associated with cranial and dental anatomy related to dental hygiene practice	Measure 1: class written quizzes (1 per topic) and in-class discussion with free-write exercises	Measure 1: All students passes quizzes and writing assignments at 90% or better	Measure 1: Students successfully demonstrated knowledge and application to dental hygiene practice scenarios	Measure 1: Faculty to include review of transfer in all related courses; this outcome will be reassessed during next review



<b>DENT 2205 Head and Neck Anatomy (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		Measure 2: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 2: Students passed the anatomy section/questions on the National Board Exam	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No curricular or pedagogical changes needed at this time
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	• answer comprehensive questions concerning the topics/sections presented in anatomy class	Measure 1: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 2: Students passed the anatomy section/questions on the National Board Exam	Measure 1: Students demonstrate mastery in external examinations	Measure 1: No curricular or pedagogical changes needed at this time

**DENT 2206 Clinical Dental Hygiene I (Major course)**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	<ul style="list-style-type: none"> <li>•Understand the concepts of infection control measures during patient treatment.</li> <li>•Understand the difference between normal and unhealthy tissues and how to formulate a dental hygiene diagnosis specific to the patients' needs</li> <li>•Follow proper infection control</li> </ul>	Measure 1: Satisfactorily complete Process Evaluations (PE) that outline specific skills necessary for dental hygiene practice	Measure 1: All students successfully passed PE's.	Measure 1: Students successfully demonstrated fundamental competence	Measure 1: No curricular or pedagogical changes needed at this time.
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene		Measure 1: Direct observation of skills; evaluated on Taleval® computerized evaluation system.	Measure 1: All students successfully demonstrated technical skills.	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.

**DENT 2206 Clinical Dental Hygiene I (Major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
	standards during patient treatment. •Correctly assess and record vitals, health histories, head and neck exams, and oral exams, and dental and periodontal exams. •Identify healthy and unhealthy tissues. •Teach the etiology and prevention of dental disease to a dental hygiene peer/patient •Demonstrate hand instrumentation using a variety of instruments while				

**DENT 2206 Clinical Dental Hygiene I (Major course)**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
	using proper body ergonomics				
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	<ul style="list-style-type: none"> <li>•Formulate the dental hygiene diagnosis and treatment plans specific to the patients' needs taking into consideration the patient's physiologic and psychological levels and readiness to learn.</li> <li>•Relate the oral hygiene diagnosis to the patient in such a way as to motivate change.</li> </ul>	Measure 2: Demonstration of PE's pertaining to patient treatment	Measure 2: All students successfully passed off pertinent PE's	Measure 2: Students successfully demonstrated competence	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 1: Answer questions on the Process Evaluation (PE).	Measure 1: All students successfully passed PE's	Measure 1: Students demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Direct observation of problem-solving	Measure 2: All students demonstrated	Measure 2: Students successfully	Measure 2: No curricular or

**DENT 2206 Clinical Dental Hygiene I (Major course)**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
		skills as outlined on the Process Evaluations.	problem-solving skills	demonstrated competence	pedagogical changes needed at this time.
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	•Engage the patient in the educational process related to improving health.	Measure 1: PE's pertaining to oral hygiene instruction and prevention of oral disease.	Measure 1: All students successfully passed pertinent PE's.	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society Goal 6: The moral habitude requisite for	•Demonstrate professionalism as expected of a health care professional. •Create a treatment plan which includes assessment, the dental hygiene diagnoses,	Measure 1: Attendance, timeliness, professional demeanor towards peers and instructors.	Measure 1: All students successfully demonstrated professionalism	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 1: Submission of completed patient chart.	Measure 1: All students successfully completed and	Measure 1: Students successfully	Measure 1: No curricular or pedagogical changes needed at this time.

**DENT 2206 Clinical Dental Hygiene I (Major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
the effective performance of responsibilities within dental hygiene practice and within society	creating a plan, informed consent, aspects of primary prevention and secondary prevention, and non-surgical treatment of periodontal disease. •Understand and teach etiology of and prevention of oral disease including periodontal disease and caries.		turned in a completed patient chart.	demonstrated competence.	

<b>DENT 2207 Dental Hygiene I</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	<ul style="list-style-type: none"> <li>•Understand the reasons for infection control measures during patient treatment.</li> <li>•Understand the difference between healthy and unhealthy tissues and how to formulate a dental hygiene diagnosis specific to the patients' needs; - Understand the importance of accurate health histories, head and neck exams, and oral exams, dental and periodontal exams, healthy vs. unhealthy tissues, the etiology and prevention of dental disease.</li> </ul>	Measure 1: Weekly quiz	Measure 1: students scored an average of 85% or better	Measure 1: Students successfully demonstrated understanding	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Summative Exam	Measure 2: students scored an average of 85% or better.	Measure 2: Students successfully demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Case Study	Measure 3: All students turned in a comprehensive case study.	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.
		Measure 4: Student success in clinic laboratory setting	Measure 4: Students transferred classroom learning to actual patient treatment.	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.

**DENT 2207 Dental Hygiene I**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	•Understand the parts and uses of basic dental hygiene instruments.	Measure 5: National Board Examination scores	Measure 5: Students successfully passed the National Board Exam above the national average	Measure 5: Students demonstrate mastery in external examinations	Measure 5: No changes needed at this time
		Measure 1: Weekly quiz	Measure 1: All students scored an average of 75% or better	Measure 1: Students successfully demonstrated fundamental competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Summative Exam	Measure 2: students scored an average of 85% or better.	Measure 2: Students successfully demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Direct observation- Instrumentation on a typodont (dental model)	Measure 3: Students were observed to show understanding of basics of instrumentation on a typodont (dental model)	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.



**DENT 2207 Dental Hygiene I**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	<ul style="list-style-type: none"> <li>•Formulate a dental hygiene diagnosis and treatment plan specific to a patients' needs taking into consideration the patient's physiologic and psychological levels and readiness to learn.</li> <li>•Relate the oral hygiene diagnosis to the patient in such a way as to motivate change.</li> </ul>	Measure 4: Student success in clinic	Measure 4: Students transferred classroom learning to actual patient treatment.	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.
		Measure 5: National Board Examination scores	Measure 5: Students successfully passed the National Board Exam above the national average	Measure 5: Students demonstrate mastery in external examinations	Measure 5: No changes needed at this time
		Measure 1: Weekly quiz	Measure 1: All students scored an average of 75% or better	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Summative Exam; written final exam	Measure 2: students scored an average of 85% or better.	Measure 2: Students successfully demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Case Study	Measure 3: All students turned in a comprehensive case study.	Measure 3: Students successfully	Measure 3: No curricular or pedagogical

<b>DENT 2207 Dental Hygiene I</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
				demonstrated understanding	changes needed at this time.
		Measure 4: National Board Examination scores	Measure 4: Students successfully passed the National Board Exam above the national average	Measure 4: Students demonstrate mastery in external examinations	Measure45: No changes needed at this time
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	•Engage the patient in the educational process related to improving health.	Measure 1: Weekly quiz	Measure 1: All students scored an average of 75% or better	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Summative Exam; written final exam	Measure 2: students scored an average of 85% or better.	Measure 2: Students successfully demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.

**DENT 2207 Dental Hygiene I**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
		Measure 3:Case Study	Measure 3: All students turned in a comprehensive case study.	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.

<b>DENT 2208 Radiology &amp; Lab Section in 2206 Radiology (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	•Demonstrate knowledge of radiologic principles & related and practices to a minimum 80% level of proficiency	Measure 1: Seven examinations on Chi-tester; required to demonstrate knowledge and competency	Measure 1: 100% of students passed the examinations	Measure 1: Students successfully mastered the course material	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: National Board Examination scores	Measure 2: Students successfully pass the radiology section/questions on the National Board Exam above the national average	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No changes needed at this time
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	•Demonstrate & perform required fundamental & advanced technical skills in radiography are completed in lab	Measure 1: Students were required to successfully expose & process a stated minimum number of intra-oral and extra-oral	Measure 1: All students passed; completed the required number of acceptable radiographic images	Measure 1: Students successfully completed the course requirements	Measure 1: No changes needed at this time

<b>DENT 2208 Radiology &amp; Lab Section in 2206 Radiology (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
	section of DENT2206	radiographic images			
		Measure 2: Students were required to complete a practical exam, demonstrating independent thinking and skill performance	Measure 2: All students successfully completed the practical examination	Measure 2: Students completed the requirement	Measure 2: No changes needed at this time
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	• (Demonstrate & perform required fundamental & advanced technical skills in radiography are completed in lab section of DENT2206) This goal required problem-solving behavior and independent skill demonstration by individual students	Measure 1: Students were required to successfully expose & process the minimum number of intra-oral and extra-oral radiographic images	Measure 1: All students completed the required number of images to pass the course	Measure 1: Students successfully completed the course requirements	Measure 1: No changes needed at this time
		Measure 2: Students were required to complete a practical exam, demonstrating	Measure 2: All students successfully completed the practical examination	Measure 2: Students completed the requirement	Measure 2: No changes needed at this time

**DENT 2208 Radiology & Lab Section in 2206 Radiology (Major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		independent thinking and skill performance			
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	• review their laboratory radiographs with their faculty	Measure 1: Objective tests, oral explanation & successful student demonstration	Measure 1: Students successfully passed course exams/National Board Exam; completed process evaluations in lab	Measure 1: Students are successfully prepared	Measure 1: No changes needed at this time
		Measure 2: National Board Examination scores, Western Regional Examination for Dental Hygiene	Measure 2: Students successfully pass the radiology section/questions on the National Board Exam above the national average, successful on WREB exam	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No changes needed at this time
Goal 5: The leadership and initiative capabilities essential for assuming roles of	• perform clinical skills with proficiency equivalent to entry level practitioner	Measure 1: Process evaluations for techniques &	Measure 1: Students successfully complete 100% of the minimum	Measure 1: Students successfully complete	Measure 1: No changes needed at this time

<b>DENT 2208 Radiology &amp; Lab Section in 2206 Radiology (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
responsibility within the dental hygiene profession and society		clinical evaluation competencies	number of process evaluations (or repeat to ensure minimum competency)	these evaluations	
		Measure 2: National Board Examination scores, Western Regional Examination for Dental Hygiene	Measure 2: Students successfully pass the radiology section/questions on the National Board Exam above the national average, successful on WREB exam	Measure 2: Students demonstrate mastery in external examinations to qualify for professional licensure	Measure 2: No changes needed at this time
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	• utilize precautions to protect patients & operators from x-ray hazards and select appropriate radiographs for patient exposure	Measure 1: Objective tests, oral explanation & successful student demonstration and evaluation spanning entire program; adherence to professional code	Measure 1: Students successfully passed course exams/National Board Exam; completed process evaluations in lab	Measure 1: Students are successfully prepared and qualified for professional licensure as a dental hygienist	Measure 1: No changes needed at this time

**DENT 2208 Radiology & Lab Section in 2206 Radiology (Major course)**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
		in Student Handbook			
		Measure 2:	Measure 2:	Measure 2:	Measure 2:



**DENT 2211 Oral Pathology (Major course)**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	<ul style="list-style-type: none"> <li>• identify and discuss various pathologic changes</li> <li>• identify structures and pathology associated with the human skull (mandible and maxilla) by naming diseases and associated changes associated with the osteology of the oral region</li> <li>• identify and discuss various pathology associated with the soft tissues of the oral cavity</li> <li>• identify structures and pathology associated with the soft tissue of the oral cavity and</li> </ul>	Measure 1: Score earned by proper identification of diseases on a visual presentation (photographs/slide images) and answering various questions posed to the class	Measure 1: The majority of the class accomplished the goal by achieving a 90% or greater score	Measure 1: Students successfully demonstrated interpretation skills	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: National Board Examination scores. Score earned by proper identification of diseases seen on a visual presentation and answering questions posed to the class.	Measure 2: Students successfully pass the oral pathology section/questions on the National Board Exam above the national average. The majority of the class accomplished the goal by	Measure 2: Students demonstrate mastery in external examinations. All students successfully demonstrated a high level of knowledge in topic areas.	Measure 2: No changes needed at this time

**DENT 2211 Oral Pathology (Major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
	answer any questions related to the various diseases or concerns •identify and discuss various pathologic conditions associated with the salivary glands and other miscellaneous diseases	Students will take four examinations	achieving a 90% or greater score. All tests are administered in class during the assigned course hour. Test 1-4, 50 points each All students passed with an 85% or higher combined score		
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	•Demonstrate & perform required fundamental & skills and knowledge in oral pathology	Measure 1: Students were required to successfully complete all examinations	Measure 1: All students passed with an 85% or higher combined score	Measure 1: Students successfully completed the course examination requirements	Measure 1: No changes needed at this time
		Measure 2: Students were required to complete a practical in-class exam,	Measure 2: All students successfully completed the practical examinations	Measure 2: Students completed the requirement	Measure 2: No changes needed at this time

**DENT 2211 Oral Pathology (Major course)**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
		demonstrating independent thinking and skill performance			
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	•Demonstrate & present with an assigned peer group; Four subjects from the course topics with the goal of improving the understanding of peers; demonstrating problem-solving behavior and communication skills	Measure 1: Students were required to participate in a peer group	Measure 1: All students completed the presentations	Measure 1: Students successfully completed the course assignment	Measure 1: No changes needed at this time
		Measure 2: Students were required to complete a presentation, demonstrating independent thinking and skill performance	Measure 2: All students successfully demonstrated mastery of communication skills	Measure 2: Students completed the requirement	Measure 2: No changes needed at this time
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and	• review their presentation critique with faculty	Measure 1: Objective tests, oral explanation & successful student demonstration	Measure 1: Students successfully passed course exams/National Board Exam; completed	Measure 1: Students are successfully prepared	Measure 1: No changes needed at this time

<b>DENT 2211 Oral Pathology (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
dissemination of dental hygiene knowledge		Measure 2: National Board Examination scores, Western Regional Examination for Dental Hygiene (WREB)	Measure 2: Students successfully pass the oral pathology section/questions on the National Board Exam above the national average, successful on WREB examination	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No changes needed at this time
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	• perform clinical skills with proficiency equivalent to entry level practitioner	Measure 1: Process evaluations for techniques & clinical evaluation competencies	Measure 1: Students successfully complete 100% of the minimum number of process evaluations (or repeat to demonstrate competency)	Measure 1: Students successfully complete these evaluations	Measure 1: No changes needed at this time
		Measure 2: National Board Examination	Measure 2: Students successfully pass	Measure 2: Students demonstrate	Measure 2: No changes needed at this time

<b>DENT 2211 Oral Pathology (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
		scores, Western Regional Examination for Dental Hygiene	the oral pathology section/questions on the National Board Exam above the national average, successful on WREB exam national average	mastery in external examinations to qualify for professional licensure	
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	<ul style="list-style-type: none"> <li>utilize appropriate exposure control and precautions to protect patients &amp; operators from cross-contamination during patient treatment</li> </ul>	Measure 1: Objective tests, oral explanation & successful student demonstration and evaluation spanning entire program; adherence to professional code in Student Handbook	Measure 1: Students successfully passed course exams/National Board Exam; completed	Measure 1: Students are successfully prepared and qualified for professional licensure as a dental hygienist	Measure 1: No changes needed at this time

<b>DENT 2215 Periodontology (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	•Demonstrate knowledge of periodontal principles & practices related to periodontal health, disease & treatment	Measure 1: Three major examinations on Chi-tester are required to demonstrate competency	Measure 1: 100% of students passed the examinations at 90% average	Measure 1: Students successfully mastered the course material	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: National Board Examination scores	Measure 2: Students successfully passed the periodontology section on the National Board Exam; results above the national average	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No changes needed at this time
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	Demonstrate knowledge of periodontal principles & practices related to periodontal health, disease & treatment	Measure 1: Three major examinations on Chi-tester were required to demonstrate competency	Measure 1: 100% of students passed the examinations at 90% average	Measure 1: Students successfully mastered the course material	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Evidence from success on	Measure 2: Students successfully	Measure 2: Students demonstrate	Measure 2: No changes needed at this time

<b>DENT 2215 Periodontology (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		National Board Examination scores	passed the periodontology section/questions in the National Board Exam above the national average	mastery in external examinations	
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior		Measure 1: Three exams (Chitester) to demonstrate competency	Measure 1: 100% of students passed the examinations at or above 90% average	Measure 1: Students successfully mastered the course material	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: National Board Examination scores	Measure 2: Students successfully passed the periodontology section/questions in the National Board Exam above the national average	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No changes needed at this time
Goal 4: The theoretical bases, research and	• students complete & present a group project germane to	Measure 1: Formal presentation of	Measure 1: All students successfully	Measure 1: Students successfully	Measure 1: No changes needed at this times

<b>DENT 2215 Periodontology (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	contemporary research on periodontal diseases or therapies	assignment (written assignment criteria & rubric are used in the evaluation)	participated and completed the assignment at 80% or higher	completed the assignment	
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	• acquire the knowledge, competence and professional commitment to provide the highest quality of dental hygiene care	Measure 1: Three major examinations on Chi-tester were required to demonstrate competency	Measure 1: 100% of students passed the examinations at or above 90% average	Measure 1: Students successfully mastered the course material	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: National Board Examination scores	Measure 2: Students successfully passed the periodontology section/questions in the National Board Exam above the national average	Measure 2: Students demonstrate mastery in external examinations as a process to become licensed to practice dental hygiene	Measure 2: No changes needed at this time
Goal 6: The moral habitude requisite for the effective	• acquire the knowledge, competence and	Measure 1: Clinical evaluation	Measure 1: Students demonstrated	Measure 1: fundament clinical skill	Measure 1: No changes needed at this time



<b>DENT 2215 Periodontology (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
performance of responsibilities within dental hygiene practice and within society	professional commitment to provide the highest quality of dental hygiene care	system: Taleval® system, independent work on exam	competency through clinical score - pass	competency was demonstrated at this time	

**DENT 2216 Clinical Dental Hygiene II**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	Treat a variety of patients in the dental hygiene clinical setting	Measure 1: Direct observation of skills & scoring on computer (TalEval® system).	Measure 1: students demonstrated comprehensive understanding and skills of dental hygiene practice.	Measure 1: Students successfully demonstrated understanding and skills.	Measure 1: No curricular or pedagogical changes needed at this time.
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	Follow proper infection control standards during patient treatment. Correctly take and record vitals, health histories, head and neck exams, and oral exams, and dental and periodontal exams. Identify healthy vs. unhealthy tissues. Teach the etiology and prevention of dental disease.	Measure 1: Direct observation of skills & scoring on computer (TalEval® system).	Measure 1: All but one student successfully demonstrated technical skills.	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Demonstration of PE's pertaining to patient treatment	Measure 2: All but one student successfully passed off PE's.	Measure 2: Students successfully demonstrated competence	Measure 2: No curricular or pedagogical changes needed at this time.

**DENT 2216 Clinical Dental Hygiene II**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
	Demonstrate hand instrumentation using a variety of instruments while using proper ergonomics.				
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	Formulate the dental hygiene diagnosis and treatment plans specific to the patients' needs taking into consideration the patient's physiologic and psychological levels and readiness to learn. Relate the oral hygiene diagnosis to the patient in such a way as to motivate change.	Measure 1: Direct observation of skills & scoring on computer (TalEval® system).	Measure 1: All students successfully demonstrated problem-solving behavior	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
Goal 4: The theoretical bases, research and	Engage the patient in the educational	Measure 1: Direct observation of	Measure 1: All students demonstrated	Measure 1: Students successfully	Measure 1: No curricular or pedagogical

**DENT 2216 Clinical Dental Hygiene II**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	process related to improving health.	skills pertaining to oral hygiene instruction and prevention of oral disease& scoring on computer (TalEval® system).	skills pertaining to communication of and dissemination of proper oral care and prevention of oral disease.	demonstrated competence;	changes needed at this time.
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	Demonstrate professionalism as expected of a health care professional.	Measure 1: Attendance, timeliness, professional appearance & demeanor towards peers and instructors	Measure 1: All students successfully demonstrated professionalism.	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	Create treatment plans which address the dental hygiene diagnoses, informed consent, aspects of primary prevention and secondary prevention, and	Measure 1: Submission of completed patient chart.	Measure 1: All students successfully completed and turned in patient charts.	Measure 1: Students successfully demonstrated competence.	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Direct observation of	Measure 2: All students were observed to perform	Measure 2: Students successfully	Measure 2: No curricular or pedagogical

**DENT 2216 Clinical Dental Hygiene II**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
	non-surgical treatment of periodontal disease for a variety of patients. Understand and teach etiology of and prevention of oral disease including periodontal disease and caries.	student/patient interactions.	responsibilities within dental hygiene practice.	demonstrated competence.	changes needed at this time.

<b>DENT 2217 Dental Hygiene II</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	-Understand the effect of diet on total health, the effect of fluorides on dental health, dental hygiene care for the life span and application of disease implications for dental hygiene care	Measure 1: Weekly quiz	Measure 1: students scored an average of 85% or better	Measure 1: Students demonstrated understanding.	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Summative Exam	Measure 2: students scored an average of 88% or better.	Measure 2: Students demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Case Study- Diet Analysis	Measure 3: All students completed a dietary analysis on a patient in clinic	Measure 3: Students demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.
		Measure 4: Student success in clinic	Measure 4: Students transferred classroom learning to actual patient treatment.	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.
Goal 2: The technical skills, both	Understand basic periodontal and	Measure 5:	Measure 5: Students successfully	Measure 5: Students demonstrate	Measure 5: No changes needed at this time

<b>DENT 2217 Dental Hygiene II</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
fundamental and advanced, essential to the practice of dental hygiene	ultrasonic instrumentation,	National Board Examination scores	passed the National Board Exam above the national average	mastery in external examinations	
		Measure 1: Weekly quiz	Measure 1: All students scored an average of 85% or better	Measure 1: Students demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Summative Exam	Measure 2: students scored an average of 88% or better.	Measure 2: Students demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Direct observation-student success in patient treatment	Measure 3: Students were observed to understand the basics of instrumentation on a patient in clinic	Measure 3: Students demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.
Goal 3: The reasoning and judgment skills necessary to engage in	Complete a dental hygiene diagnosis and treatment plan	Measure 4: Student success in clinic	Measure 4: Students transferred classroom learning to	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.

<b>DENT 2217 Dental Hygiene II</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
problem-solving behavior	specific to a patients' needs taking into consideration the patient's physiologic and psychological levels and readiness to learn. Relate the oral hygiene diagnosis to the patient in such a way as to motivate change.		actual patient treatment.		
		Measure 1: Weekly quizzes	Measure 1: All students scored an average of 85% or better	Measure 1: Students demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Summative Exam	Measure 2: students scored an average of 88% or better.	Measure 2: Students demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Case Study	Measure 3: All students completed a comprehensive dietary analysis on a patient in clinic	Measure 3: Students demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition,	Engage the patient in the educational process related to improving health.	Measure 4: Student success in clinic	Measure 4: Students transferred classroom learning to actual patient treatment.	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.



<b>DENT 2217 Dental Hygiene II</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
advancement and dissemination of dental hygiene knowledge		Measure 5: National Board Examination scores	Measure 5: Students successfully passed the National Board Exam above the national average	Measure 5: Students demonstrate mastery in external examinations	Measure 5: No changes needed at this time
		Measure 1: Weekly quiz	Measure 1: All students scored an average of 85% or better	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Summative Exam	Measure 2: students scored an average of 88% or better.	Measure 2: Students successfully demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Case Study	Measure 3: All students turned in a comprehensive dietary analysis on a clinic patient	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.

<b>DENT 2217 Dental Hygiene II</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		Measure 4: Student success in clinic & scoring on computer (Taleval® clinical evaluation system)	Measure 4: Students transferred classroom learning to actual patient treatment.	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.
		Measure 5: National Board Examination scores	Measure 5: Students successfully passed the National Board Exam above the national average	Measure 5: Students demonstrate mastery in external examinations	Measure 5: No changes needed at this time

<b>DENT 2219 Dental Materials</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	- be able to understand the mechanical and chemical properties of dental materials, and the utilization of dental materials in a general dental practice -Describe the history associated with dental materials and the need for continual development of new materials. I -Students will identify current dental materials, and how they are utilized. -Associate the advantages and disadvantages of	Measure 1: Computer delivered Exam 1 (100 points, Chitester)	Measure 1: The class successfully passed this exam.	Measure 1: Students successfully demonstrated knowledge	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Computer delivered Exam 2 100 points	Measure 2: The class successfully passed this exam.	Measure 2: Students successfully demonstrated knowledge at a high level of knowledge	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Computer delivered Exam 3 100 points	Measure 3: The class successfully passed this exam.	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time

<b>DENT 2219 Dental Materials</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
	specific materials. -Select a material appropriate for the treatment.				
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	- demonstrate a comprehensive understanding of dental materials: Select all the materials that would sufficiently meet the requirements of indicated treatment - demonstrate their knowledge and the fundamental use of dental materials.	Measure 1: Group discussions, pertaining to different treatment plans	Measure 1: All students scored an average of 85% or better	Measure 1: Students successfully demonstrated knowledge	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Demonstrate a working knowledge of materials and their use; participate in two laboratory experiences	Measure 2: All students completed the assignments associated with each lab. Outcomes are based on a pass or fail measure	Measure 2: Students successfully participated and demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Direct observation-student success in laboratory experience	Measure 3: Students were observed during patient treatment through their communication with their	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.

<b>DENT 2219 Dental Materials</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
			patient relative to dental materials (taleval® clinical evaluation system)		
		Measure 4: Student success in clinic	Measure 4: Students transferred classroom and laboratory learning to patient treatment.	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	- demonstrate their knowledge and the fundamental use of dental materials	Measure 1: National Board Examination scores, Western Regional Examination for Dental Hygiene	Measure 1: All students passed National and regional examination sections/topics related to dental materials and clinical patient treatment	Measure 1: Students successfully demonstrated knowledge	Measure 1: No curricular or pedagogical changes needed at this time.

<b>DENT 2219 Dental Materials</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		Measure 2: Course written examination	Measure 2: students scored an average of 86% or better.	Measure 2: Students demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Dental Materials Laboratory Experiences	Measure 3: All students participated in laboratory exercises	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.
		Measure 4: Student success in clinic	Measure 4: Students transferred classroom and laboratory experiences and learning to clinical patient treatment.	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of	Engage the patient in the educational process related to knowledge and function of dental materials	Measure 1: National Board Examination scores, Western Regional Examination for Dental Hygiene	Measure 1: All students passed National and regional examination sections/topics related to dental materials and	Measure 1: Students successfully demonstrated knowledge and skills	Measure 1: No curricular or pedagogical changes needed at this time.

<b>DENT 2219 Dental Materials</b>						
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>	
dental hygiene knowledge			clinical patient treatment			
			Measure 2: Summative Exam	Measure 2: students scored an average of 88% or better.	Measure 2: Students successfully demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
			Measure 3: Dental Materials Laboratory Experiences	Measure 3: All students participated in laboratory exercises	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.
			Measure 4: Student success in clinic	Measure 4: Students transferred classroom learning to clinical patient experiences.	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	Participate in Laboratory experiences	Measure 1: Direct observation of student/peer interactions.	Measure 1: All students were observed to perform responsibilities within dental hygiene practice.	Measure 1: Students successfully demonstrated competence;	Measure 1: No curricular or pedagogical changes needed at this time.	

<b>DENT 2219 Dental Materials</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  Students will...	<i>Method of Measurement</i>  Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	Demonstrate professionalism as expected of a health care professional in a laboratory and clinical setting.	Measure 1: Attendance, timeliness, professional demeanor towards peers and instructors.	Measure 1: All students successfully demonstrated professionalism.	Measure 1: Students successfully demonstrated competence.	Measure 1: No curricular or pedagogical changes needed at this time.

<b>DENT 2235 Dental Medicine I (major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  Students will...	<i>Method of Measurement</i>  Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of	- review the anatomy and physiology associated with specific pathological disorders. Students will	Measure 1: Exam 1 100 points	Measure 1: The class successfully passed this exam	Measure 1: Students successfully demonstrated understanding.	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Exam 2 100 points	Measure 2: The class	Measure 2: Students successfully	Measure 2: No curricular or pedagogical



**DENT 2235 Dental Medicine I (major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
dental hygiene practice	review the body systems associated with drug: absorption, distribution, metabolism, and excretion - utilize hand-outs to label the primary anatomy associated with each body system. - complete flow charts that associate the disorder with the associated physiology. - understand the absorption, distribution, metabolism and excretion of drugs.		successfully passed this exam	demonstrated understanding	changes needed at this time.
		Measure 3: Exam 3 100 points	Measure 3: The class successfully passed this exam	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.
		Measure 4: Exam 4 100 points	Measure 4: The class successfully passed this exam	Measure 4: Students successfully demonstrated understanding	Measure 4: No curricular or pedagogical changes needed at this time.
		Measure 5: Students will review case history reports to recognize disease, the associated medications, and the current medical treatment options	Measure 5: The class successfully completed this assignment	Measure 5: Students successfully demonstrated understanding	Measure 5: No curricular or pedagogical changes needed at this time.
		Measure 6: Students will utilize the patients' medical	Measure 6: Students transferred classroom	Measure 6: All students demonstrated	Measure 6: No curricular or pedagogical

<b>DENT 2235 Dental Medicine I (major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		history to determine the need for antibiotic premedication	learning to actual patient treatment.	transformative learning	changes needed at this time.
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	- identify specific medical disorders, the medications associated with the disorder, the side effects, and interaction with any other medications the patient is taking.  - implement the procedures necessary to gain all pertinent information prior formulating a treatment plan.	Measure 1: Weekly quiz	Measure 1: All students scored an average of 85% or better	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Role play assignment, as a small group, create a checklist, and establish protocol for communicating with other professionals	Measure 2: students scored an average of 90% or better.	Measure 2: Students successfully demonstrated understanding and positive communication skills	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Direct observation- student success in patient treatment	Measure 3: Students were observed and evaluated on their use of health history review and understanding	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.

<b>DENT 2235 Dental Medicine I (major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		Measure 4: Student success in clinic (taleval® clinical evaluation system)	Measure 4: Students transferred classroom learning to clinical patient treatment.	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	- implement the procedures necessary to gain all pertinent information prior formulating a treatment plan.	Measure 1: Direct observation-student success in patient treatment	Measure 1: All students scored an average of 85% or better	Measure 1: Students demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Summative Exam	Measure 2: students scored an average of 88% or better.	Measure 2: Students demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Student success in clinic (taleval® clinical evaluation system)	Measure 3: Students transferred classroom learning to actual patient treatment.	Measure 3: All students demonstrated transformative learning	Measure 3: No curricular or pedagogical changes needed at this time.
Goal 4: The theoretical bases, research and	Students will role play, to help the group as a whole,	Measure 1: Direct observation-	Measure 1: All students scored	Measure 1: Students successfully	Measure 1: No curricular or pedagogical

<b>DENT 2235 Dental Medicine I (major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	establish a checklist, and establish protocol for communicating with other professionals.	student success in patient treatment Measure 2: Student success in clinic (taleval® clinical evaluation system)	an average of 85% or better Measure 2: Students transferred classroom learning to actual patient treatment.	demonstrated competence Measure 2: All students demonstrated transformative learning	changes needed at this time. Measure 2: No curricular or pedagogical changes needed at this time.
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	Students will role play, to help the group as a whole, establish a checklist, and establish protocol for communicating with other professionals. Use skills for communication with peers, faculty, patients and professionals	Measure 1: Direct observation of student/peer interactions. Direct observation-student success in patient treatment (taleval® clinical evaluation system)	Measure 1: All students were observed to perform responsibilities within dental hygiene practice.	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.

<b>DENT 2235 Dental Medicine I (major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	Demonstrate professionalism as expected of a health care professional.	Measure 1: Direct observation- student success in patient treatment Attendance, timeliness, professional demeanor towards patients, peers, faculty and staff.	Measure 1: All students successfully demonstrated professionalism.	Measure 1: Students successfully demonstrated competence.	Measure 1: No curricular or pedagogical changes needed at this time.

<b>DENT 2250 Professional Ethics (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  Students will...	<i>Method of Measurement</i>  Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	•Define professionalism, identify components of professional code of ethics, cultural competency, and major issues of equity within the oral health professions	Measure 1: In-class or on-line discussion writing assignments, class participation requirements, class quizzes	Measure 1: 100% of students completed the assignments & participate in on-line writing discussions & successful completion of quizzes	Measure 1: Students successfully completed course participation, materials & assignments	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: National Board Examination scores WREB process of care examination	Measure 2: Students successfully passed the ethics section/questions on the National Board Exam above the national average	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No changes needed at this time
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene		Measure 1: Students required to complete ethical dilemma using a decision making model &	Measure 1: Successful completion of assignment	Measure 1: Successful completion of assignment	Measure 1: No changes needed at this time

<b>DENT 2250 Professional Ethics</b> (Major course)					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		present to peers in class			
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	•identify ethical dilemmas; identify and use formal/informal ethical decision making processes	Measure 1: Students required to complete ethical dilemma using a decision making model & present to peers in class	Measure 1: Successful completion of assignment	Measure 1: Successful completion of assignment	Measure 1: No changes needed at this time
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	• prepare written understanding & awareness of ethical issues through completion of written assignment	Measure 1: All students complete written assignment to minimum requirements & writing specifications (rubric used)	Measure 1: All students successfully completed the assignment	Measure 1: Students completed the assignment	Measure 1: No changes needed at this time
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	• identify State laws and rules regulating the practice of dental hygiene	Measure 1: Students download the State Practice Act/Rules and were required to identify specific	Measure 1: Students demonstrate knowledge through quizzes and discussions regarding	Measure 1: Students participated fully and have fundamental understanding	Measure 1: No changes needed at this time

<b>DENT 2250 Professional Ethics (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		sections applicable to the regulation and practice of dental hygiene	regulation and practice of dental hygiene		
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	• prepare written understanding & awareness of ethical issues through completion of written assignment	Measure 1: All students completed assignment to minimum content & writing specifications (rubric used)	Measure 1: All students successfully completed the assignment	Measure 1: Students completed the assignment	Measure 1: No changes needed at this time



<b>DENT 3305 Pain Control (Course in major)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	-be able to identify anatomy in regards to anesthesia of the maxillary and mandibular regions; Students will identify anatomical structures associated with the administration of anesthesia - demonstrate knowledge of anatomy and clinical anesthesia skill; Students will administer anesthesia to both the maxillary and mandibular regions under the supervision of Clinical Faculty	Measure 1: Test 1 -100 points. Identifying structures	Measure 1: The majority of the class accomplished to goal by achieving a 88% or greater score	Measure 1: Students demonstrated understanding.	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: administer anesthesia to peers and clinical patients; PEs and (taleval® clinical evaluation system.	Measure 2: The class completed requirements of delivering anesthesia; all passed.	Measure 2: Students successfully demonstrated the required local anesthesia injection technique and knowledge in clinical setting	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Student success in clinic (taleval® clinical evaluation system)	Measure 3: Students transferred classroom learning to clinical patient treatment.	Measure 3: All students demonstrated transformative learning	Measure 3: No curricular or pedagogical changes needed at this time.

<b>DENT 3305 Pain Control (Course in major)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	- demonstrate knowledge of anatomy and clinical anesthesia skill; Students will administer anesthesia to both the maxillary and mandibular regions under the supervision of Clinical Faculty	Measure 1: Students will administer local anesthesia. PE: pass or fail measure and taleval® clinical evaluation system	Measure 1: All students scored an average of 75% or better	Measure 1: Students successfully demonstrated competence	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Summative Exam	Measure 2: students scored an average of 85% or better.	Measure 2: Students successfully demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Direct observation- Instrumentation on a typodont (dental model)	Measure 3: Students were observed to understand basic instrumentation on a typodont (dental model)	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.
		Measure 4: Student success in clinic	Measure 4: Students transferred classroom learning to	Measure 4: All students demonstrated transformative learning	Measure 4: No curricular or pedagogical changes needed at this time.

<b>DENT 3305 Pain Control (Course in major)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
			clinical patient treatment.		
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	- answer and demonstrate knowledge of course content. - demonstrate proper reasoning for pain control and the associated injections, as well as thorough health history reviews; Students will review health history and note pertinent information with supervising faculty and deliver proper type and technique of local anesthetic	Measure 1: Students will take 3 additional tests throughout the semester concerning sections taught in DENT 3305	Measure 1: All students scored an average of 85% or better	Measure 1: Students successfully demonstrated competence	A few questions were modified for clarity for future classes.
		Measure 2: Student will select proper anesthetic agent and utilize anatomical landmarks for successful delivery of local anesthetic	Students are monitored on all injections by supervising faculty, and are graded with process evaluations (PE), using TalEval® clinical grading system	Measure 2: Patient tolerance of local anesthesia administration as well as proper technique are used to assess individual students ability	Measure 2: No curricular or pedagogical changes needed at this time.
Goal 4: The theoretical bases, research and communication	- demonstrate knowledge of course material	Measure 1: Quizzes, 50 points total	Measure 1: All students scored 85% or greater	Measure 1: Students successfull	Measure 1: No curricular or pedagogical changes.

<b>DENT 3305 Pain Control (Course in major)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge		Measure 2: Summative Exam	Measure 2: students scored an average of 85% or better.	Measure 2: Students successfully demonstrated understanding	Measure 2: No curricular or pedagogical changes needed at this time.
		Measure 3: Case Study Report	Measure 3: All students completed a comprehensive case study.	Measure 3: Students successfully demonstrated understanding	Measure 3: No curricular or pedagogical changes needed at this time.
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	-demonstrate responsible behavior in the management of the clinical environment	Measure 1: Direct observation of student/patient/peer/faculty/staff interactions. (TalEval® clinical grading system)	Measure 1: All students were observed to perform responsibly within the clinical environment during the dental hygiene program experience.	Measure 1: Students successfully demonstrated competence.	Measure 1: No curricular or pedagogical changes needed at this time.

**DENT 3305 Pain Control (Course in major)**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	-demonstrate professionalism as expected of a health care professional.	Measure 1: Attendance, timeliness, professional demeanor towards peers and instructors. (TalEval® clinical grading system)	Measure 1: All but one student successfully demonstrated professionalism	Measure 1: Students successfully demonstrated competence.	Measure 1: No curricular or pedagogical changes needed at this time.
		Measure 2: Student success in clinic TalEval® clinical grading system)	Measure 2: Students transferred classroom learning to clinical patient treatment.	Measure 2: All students demonstrated transformative learning	Measure 2: No curricular or pedagogical changes needed at this time.

**DENT 3301 Community Service Learning Lab (Major course)**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	•Assess, provide a dental hygiene diagnosis, plan, implement and evaluate a community health program that includes dental screenings and providing dental sealants for elementary school children	Measure 1: in class written quiz and in-class discussion	Measure 1: 95% of students scored 80% or better	Measure 1: Students successfully demonstrated knowledge and application to dental hygiene practice	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 2: Students passed the community dental health section/questions on the National Board Exam	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No curricular or pedagogical changes needed at this time
		Measure 3: Midterm and Final Examination (Chitester)	Measure 3: Students pass the course computer-based delivery examinations at a score of 75% or better	Measure 3: Students demonstrate knowledge mastery on internal examinations	Measure 3: No curricular or pedagogical changes needed at this time
Goal 2: The technical skills, both fundamental	•Demonstrate abilities and knowledge in	Measure 1: Dental Hygiene National Board	Measure 1: Students passed the community	Measure 1: Students demonstrate	Measure 1:

<b>DENT 3301 Community Service Learning Lab (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
and advanced, essential to the practice of dental hygiene	providing dental screenings of elementary school student's teeth in treatment planning for sealants.	Examination scores (comprehensive written examination)	dental health section/questions on the National Board Exam	mastery in external examinations	No curricular or pedagogical changes needed at this time
		Measure 2: Participate in all aspects of the community dental hygiene service learning experience	Measure 2: all students participated in learning experience	Measure 2: all students demonstrated competency in the learning experience	No curricular or pedagogical changes needed at this time
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	•Understand a community dental health issue, plan and organize the implementation of a program to address the issue, implement the program and evaluate the program, its outcomes and	Measure 1: Students were required to participate in development of a community dental health program	Measure 1: All students demonstrated competence and appropriate knowledge of community dental health program development , implementation,	Measure 1: Students successfully demonstrated competence; judgment, reasoning and appropriate problem-solving skills	Measure 1: No curricular or pedagogical changes needed at this time

**DENT 3301 Community Service Learning Lab (Major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
	identify strategies for improvements		assessment and evaluation		
		Measure 2: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 2: Students passed the community dental health section/questions on the National Board Exam	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No curricular or pedagogical changes needed at this time
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	•Demonstrate a working knowledge of the U.S. Dental Care Delivery and identify those programs at the state level that are in place to aid in access to dental health care	Measure 1: In-class quiz	Measure 1: All students scored 90% or better on exam	Measure 1: (Ex. Students successfully demonstrated knowledge and application to dental hygiene practice scenarios	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Dental Hygiene National Board Examination scores (comprehensive	Measure 2: Students passed the community dental health section/questions on the National Board Exam	Measure 2: Students demonstrate mastery in external examinations	Measure 2: No curricular or pedagogical changes needed at this time



<b>DENT 3301 Community Service Learning Lab (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
		written examination)			
		Measure 3: Midterm and Final Examination (Chitester)	Measure 3: Students pass the course computer-based delivery examinations at a score of 75% or better	Measure 3: Students demonstrate knowledge mastery on internal examinations	Measure 3: No curricular or pedagogical changes needed at this time
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	<ul style="list-style-type: none"> <li>•Demonstrate a working knowledge of the U.S. Dental Care Delivery and identify those programs at the state level that are in place to aid in access to dental health care</li> <li>•Identify a community dental health issue, plan and organize the implementation of a program to address the issue, implement</li> </ul>	Measure 1: Students were required to develop a community dental health program and present their plan in class	Measure 1: All students demonstrated competence and appropriate knowledge of community dental health program development , implementation, assessment and evaluation	Measure 1: Students successfully demonstrated competence; judgment, reasoning and appropriate problem-solving skills	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Dental Hygiene National Board Examination	Measure 2: Students passed the community dental health	Measure 2: Students demonstrate mastery in	Measure 2: No curricular or pedagogical changes needed at this time

<b>DENT 3301 Community Service Learning Lab (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
	the program and evaluate the program's outcomes and identify strategies for improvements	scores (comprehensive written examination)	section/questions on the National Board Exam	external examinations	
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	•Identify a community dental health issue, plan and organize the implementation of a program to address the issue, implement the program and evaluate the program's outcomes and identify strategies for improvements	Measure 1: Dental Hygiene National Board Examination scores (comprehensive written examination)	Measure 1: Students passed the community dental health section/questions on the National Board Exam	Measure 1: Students demonstrate mastery in external examinations	Measure 1: No curricular or pedagogical changes needed at this time

**DENT 3336 Clinical Dental Hygiene III (Major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  <i>Students will.....</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	-Describe and demonstrate the necessary background knowledge of dental hygiene technique and skills and their relationship to the application of related clinical dental hygiene practice.	Measure 1: Student will complete clinical requirements, Process Evaluations (PE) and Mockboard (WREB) Examinations (taleval® clinical evaluation system)	Measure 1: The majority of the class accomplished the goal with a score of 90% or better	Measure 1: Students successfully demonstrated clinical skills and successfully passed clinical patient treatment	Measure 1: No curricular or pedagogical changes needed at this time
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	-demonstrate clinical skills related to patient treatment and the practice of dental hygiene	Measure 1: Students successfully passed clinical process evaluations on clinical skills (Taleval® clinical evaluation system)	Measure 1: Students successfully passed clinical patient treatment	Measure 1: Students successfully demonstrated competence in clinical skills and patient treatment	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Students successfully passed clinical process evaluations (PE) on	Measure 2: Students successfully passed clinical	Measure 2: Students successfully passed required clinical skills related to	Measure 2: No curricular or pedagogical changes needed at this time

**DENT 3336 Clinical Dental Hygiene III (Major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  <i>Students will.....</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
		clinical skills, (Taleval® clinical evaluation system)	patient treatment requirements for quality and quantity of treatment provided	periodontally involved patients and adjunctive therapies	
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	-demonstrate the ability to establish and follow through with a dental hygiene treatment plan	Measure 1: Students developed an appropriate treatment plan specific to each patient’s dental hygiene needs, (Taleval® clinical evaluation system)	Measure 1: Treatment plan was approved by supervising faculty member	Measure 1: Students successfully demonstrated competence in developing and following through with an appropriate treatment plan	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Case study assignment where students present a patient assessment, diagnosis, implementation, evaluate, assess and demonstrate outcomes of treatment	Measure 2: Judgment is demonstrated through individual projects; written papers, oral presentations and feedback	Measure 2: Students successfully demonstrated competence in charting, treatment planning, assessments implementation and evaluation of patient treatment	Measure 2: No curricular or pedagogical changes needed at this time

**DENT 3336 Clinical Dental Hygiene III (Major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  <i>Students will.....</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
			from peers and faculty		
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	- demonstrate competence in communication with patients and peers  - demonstrate competence in all communication both written and verbal	Measure 1: Students will demonstrate thorough and correct charting procedures (Taleval® clinical evaluation system)	Measure 1: Students completed patient treatment and charting procedures with minimal corrections	Measure 1: Students successfully demonstrated competence in charting and assessments	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: Students will demonstrate professional communication skills with clinical faculty, peers and dental hygiene patients (Taleval® clinical evaluation system)	Measure 2: Students completed clinical requirements including all aspects of patient treatment and procedures	Measure 2: Students pass with 75% or better; clinical evaluations by supervising faculty (Taleval® clinical evaluation system)	Measure 2: No curricular or pedagogical changes needed at this time
Goal 5: The leadership and initiative capabilities essential for assuming roles of	-have membership and active involvement in the WSU	Measure 1: Students will demonstrate professional communication	Measure 1: Students completed program community	Measure 1: Students experienced professional organization	Measure 1: No curricular or pedagogical changes needed at this time

**DENT 3336 Clinical Dental Hygiene III (Major course)**

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  <i>Students will.....</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
responsibility within the dental hygiene profession and society	Student Chapter of the American Dental Hygienists' Association (SADHA) Registered Student Organization	skills with clinical faculty, peers and dental hygiene patients	requirements including all aspects of interactions (measured by participation in community activities)	activities in their education program	
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	- exhibit behaviors and ethics in line with the Professional Code of Ethics for Dental Hygiene	Measure 1: Students will demonstrate professional and ethical behavior in the clinic during patient treatment (Taleval® clinical evaluation system) and in all professional settings	Measure 1: Clinical course grade will reflect successful demonstration of these behaviors (Taleval® system)	Measure 1: Students successfully demonstrated ethical and professional behaviors	Measure 1: No curricular or pedagogical changes needed at this time

**DENT 3337 Dental Hygiene III** (Major course within Dental Hygiene)

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  <i>Students will ...</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	- describe and demonstrate the necessary background knowledge of dental hygiene theory and related subjects as they apply to the practice of dental hygiene	Measure 1: Students will demonstrate professional communication skills with clinical faculty, peers and dental hygiene patients (Taleval® clinical evaluation system)	Measure 1: Students completed clinical requirements including all aspects of patient treatment and procedures Students pass with 75% or better; clinical evaluations by supervising faculty	Measure 1: : Successful transfer of didactic knowledge base to performance in the clinical setting	Measure 1: No curricular or pedagogical changes needed at this time
		Measure 2: External Examination: National Board Exam and WREB Examination	Measure 2: : Successful completion of a National Board-the majority of the class receiving a score of 80% or above	Measure 2: Successful transfer of didactic knowledge base to performance in the clinical setting	Measure 2: No curricular or pedagogical changes needed at this time
Goal 2: The technical skills, both	- demonstrate advanced hand	Measure 1:	Measure 1:	Measure 1:	Measure 1:

<b>DENT 3337 Dental Hygiene III</b> (Major course within Dental Hygiene)					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  <i>Students will ...</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
fundamental and advanced, essential to the practice of dental hygiene	and ultrasonic instrumentation skills, knowledge of clinical assessments, application of medicaments, desensitization methods, management of clinical medical emergencies	Weekly readiness assessments, small group work with typodonts/dental models and instruments, module topic outlines in small group discussions, case studies, and group presentations	The majority of the class scored 90% or above on weekly readiness assessments	Successful transfer of didactic knowledge base to performance in the clinical setting	No curricular or pedagogical changes are needed at this time
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	- demonstrate the utilization of evidence based decision making, patient risk assessments, and patient assessments	Measure 1: Weekly readiness assessments or module outlines Small group discussions and group presentations	Measure 1: The majority of the class scored 90% or above on the weekly assessments	Measure 1: (Ex. Students successfully demonstrated competency and successful transfer of didactic knowledge into the clinical setting	Measure 1: No curricular or pedagogical changes are needed at this time
Goal 4: The theoretical bases, research and	- demonstrate knowledge of dental hygiene	Measure 1: Module readiness assessment,	Measure 1: The majority of students	Measure 1: Students successfully	Measure 1 : Faculty agree to include review of



<b>DENT 3337 Dental Hygiene III</b> (Major course within Dental Hygiene)					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  <i>Students will ...</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	theory, understand the foundations of research and it's dissemination, and build on communication skills with patients and peers	research topics related to patient care and communication and complete a group presentations in class	scored a 90% or higher on weekly readiness assessment. Students successfully completed class presentations and submitted a written paper	demonstrated competence in research and it's dissemination, dental hygiene theory and clinical practice	transfer in all related courses; this outcome will be reassessed during next review
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	- demonstrate an understanding of the role of the American Dental Hygienists' Association in the profession and what leadership roles in the association are	Measure 1: Attendance at local and state Dental Hygiene Student Association meetings	Measure 1: Students participated in Student Association community service activities	Measure 1: Students completed reflective activities on Facebook, canvas system assignments and in classroom discussions	Measure 1: Faculty agree to include review of transfer in all related courses; this outcome will be reassessed during next review
		Measure 2: Student attendance, participation in the Utah Dental Hygienists'	Measure 2: Students attended continuing education courses related	Measure 2: Students attended continuing education courses related to the	Measure 2: Faculty agree to include review of transfer in all related courses; this outcome

**DENT 3337 Dental Hygiene III** (Major course within Dental Hygiene)

<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i>  <i>Students will ...</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
	available to them. Students will participate in community service projects associated with the Student Association	Association Annual Session and the Utah Dental Association Annual Session	to the profession of dental hygiene	profession of dental hygiene	will be reassessed during next review
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	- demonstrate behaviors and ethics in line with the Code of Ethics for Dental Hygiene	Measure 1: Students will demonstrate professional and ethical behaviors with peers, patients and the public as they represent the dental hygiene profession	Measure 1: The didactic course grade will reflect successful demonstration of ethical and professional behaviors	Measure 1: Students successfully demonstrated ethical and professional behaviors in clinic, at community service projects, and in the educational setting	Measure 1: Faculty agree to include review of transfer in all related courses; this outcome will be reassessed during next review

<b>DENT 3346 Clinical Dental Hygiene IV (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	-Describe and demonstrate the necessary background knowledge of dental hygiene technique and skills and their relationship to the application of related clinical dental hygiene practice.	Measure 1: Complete clinical requirements, Process Evaluations and Mockboards (Taleval® clinical evaluation system)	Measure 1: The majority of the class accomplished the goal with a score of 90% or better	Measure 1: Students successfully demonstrated clinical skills and successfully passed clinical patient treatment	Measure 1: No curricular or pedagogical changes needed at this time
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	-demonstrate clinical skills related to patient treatment and the practice of dental hygiene	Measure 1 Students were evaluated in their clinic lab sessions; process evaluations (PE) on clinical skills, and Taleval® clinical evaluation system	Measure 1 Students successfully passed clinical patient treatment	Measure 1: Students successfully demonstrated competence in clinical skills needed to treat periodontal patients and adjunctive therapies	Measure 1: Faculty agree to include review of transfer in all related courses; this outcome will be reassessed during next review
Goal 3: The reasoning and judgment skills	- demonstrate the ability to establish and	Measure 1 Students developed an appropriate	Measure 1: Students successfully	Measure 1: Students demonstrated	Measure 1:

<b>DENT 3346 Clinical Dental Hygiene IV (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
necessary to engage in problem-solving behavior	follow through with a dental hygiene treatment plan	treatment plan specific to each patient	passed clinical patient treatment	competence in developing and following an appropriate treatment plan	No curricular or pedagogical changes needed at this time
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	- demonstrate competence in communication with patients and peers - demonstrate competence in all communication both written and verbal	Measure 1: Students will demonstrate thorough and correct charting procedures	Measure 1: Students completed patient treatment and charting procedures with minimal corrections	Measure 1: Students successfully demonstrated competence in charting and assessments	Measure 1: No curricular or pedagogical changes needed at this time
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	- exhibit behaviors and ethics in line with the Professional Code of Ethics for Dental Hygiene	Measure 1: Students will demonstrate professional/ethical behavior in the clinic during patient treatment (Taleval® clinical evaluation system) and in all	Measure 1: Clinical course grade will reflect successful demonstration of these behaviors (taleval® system)	Measure 1: Students successfully demonstrated ethical and professional behaviors	Measure 1: No curricular or pedagogical changes needed at this time

**DENT 3346 Clinical Dental Hygiene IV (Major course)**

<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
		professional settings			
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	- exhibit behaviors and ethics in line with the code of ethics for Dental Hygiene	Measure 1: Students will demonstrate professional and ethical behaviors in the clinic during patient treatment	Measure 1: Clinical course grade will reflect successful demonstration of these behaviors	Measure 1: Students successfully demonstrated ethical and professional behaviors	Measure 1: No curricular or pedagogical changes needed at this time

<b>DENT 3347 Dental Hygiene IV (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental hygiene practice	- describe and demonstrate the necessary background knowledge of dental hygiene theory and related subjects as they apply to the practice of dental hygiene	Measure 1: Readiness assessments in class, module outlines, midterm and final assessments on ChiTester, and group presentations/projects	Measure 1: The majority of students scored 80% or better on readiness assessments and exams	Measure 1: Students successfully demonstrated a comprehensive understanding of the practice of dental hygiene.	Measure 1: Based on results of a few questions asked after the exams some questions were modified to be clearer and some questions were removed
		Measure 2: External Examination: National Board Examination for Dental Hygienists	Measure 2: Students successfully pass the exam above the national average	Measure 2: Successful completion of a National Board- the majority of the class receiving a score of 85% or above	Measure 2: No curricular or pedagogical changes are needed at this time
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	Learning Outcome: Students will demonstrate advanced hand and ultrasonic instrumentation skills,	Measure 1: Weekly readiness assessments, small group work with typodonts and instruments, module outlines in small group discussions,	Measure 1: The majority of the class scored 90% or above on weekly readiness assessments	Measure 1: Successful transfer of didactic knowledge base to performance in the clinical setting	Measure 1: No curricular or pedagogical changes are needed at this time

<b>DENT 3347 Dental Hygiene IV (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
	knowledge of clinical assessments, application of medicaments, desensitization methods, management of clinical medical emergencies	case studies, and group presentations			
Goal 3: The reasoning and judgment skills necessary to engage in problem-solving behavior	Learning Outcome: Students will demonstrate the utilization of evidence based decision making, patient risk assessments, and patient assessments	Measure 1: Weekly readiness assessments or module outlines Small group discussions and group presentations	Measure 1: The majority of the class scored 90% or above on the weekly assessments	Measure 1: Students successfully demonstrated competency and successful transfer of didactic knowledge into the clinical setting	Measure 1: No curricular or pedagogical changes are needed at this time

<b>DENT 3347 Dental Hygiene IV (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
Goal 4: The theoretical bases, research and communication skills, necessary for the acquisition, advancement and dissemination of dental hygiene knowledge	Learning Outcome: Students will demonstrate knowledge of dental hygiene theory, understand the foundations of research and it's dissemination, and build on communication skills with patients and peers	Measure 1: Module readiness assessment, research topics related to patient care and communication and complete a group presentations in class	Measure 1: The majority of students scored a 90% or higher on weekly readiness assessment. Students successfully completed class presentations and submitted Several written papers for projects and events	Measure 1: Students successfully demonstrated competence in research and it's dissemination, dental hygiene theory and clinical practice	Measure 1: Faculty agree to include review of transfer in all related courses; this outcome will be reassessed during next review
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental	- demonstrate an understanding of the role of the American Dental Hygienists' Association in	Measure 1: Attendance at Student Association meetings	Measure 1: Students participated in Student Association community service activities and	Measure 1: Students completed reflective activities on Facebook, in a journal or written reflective paper,	Measure 1: (Ex. Faculty agree to include review of transfer in all related courses; this outcome will be reassessed during next review



<b>DENT 3347 Dental Hygiene IV (Major course)</b>					
<i>Program Learning Goal</i> The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	<i>Measurable Learning Outcome</i> Students will...	<i>Method of Measurement</i> Direct and Indirect Measures*	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
hygiene profession and society	the profession and what leadership roles and what leadership roles in the association are available to them. - participate in community service projects associated with the Student Association		community based learning projects	as well as in classroom discussions	
		Measure 2: Student attendance and participation in the Utah Dental Hygienists' Association Annual Session and the Utah Dental Association Annual Session	Measure 2: Students attended continuing education courses related to the profession of dental hygiene	Measure 2: Students attended continuing education courses related to the profession of dental hygiene	Measure 2: Faculty agree to include review of transfer in all related courses; this outcome will be reassessed during next review
Goal 6: The moral habitude requisite for the effective performance of responsibilities within dental hygiene practice and within society	Learning Outcome: Students will demonstrate behaviors and ethics in line with the Code of Ethics for Dental Hygiene	Measure 1: Students will demonstrate behaviors and ethics in line with the Code of Ethics for Dental Hygiene	Measure 1: The didactic course grade will reflect successful demonstration of ethical and professional behaviors	Measure 1: Students successfully demonstrated ethical and professional behaviors in clinic, at community service projects, and in the	Measure 1: (Ex. Faculty agree to include review of transfer in all related courses; this outcome will be reassessed during next review

<b>DENT 3347 Dental Hygiene IV (Major course)</b>					
<i>Program Learning Goal</i>	<i>Measurable Learning Outcome</i>	<i>Method of Measurement</i>	<i>Findings Linked to Learning Outcomes</i>	<i>Interpretation of Findings</i>	<i>Action Plan/Use of Results/Closing the Loop</i>
The specific goals of the dental hygiene program are to provide students with the (Goals 1-6)	Students will...	Direct and Indirect Measures*			
				educational setting	

**G. Evidence of Learning: High Impact or Service Learning**

<b>Evidence of Learning: High Impact Service Learning</b>					
<b>Program Learning Goal</b>	<b>Measurable Learning Outcome</b>	<b>Method of Measurement</b>	<b>Findings Linked to Learning Outcomes</b>	<b>Interpretation of Findings</b>	<b>Action Plan/Use of Results</b>
Students will...	Students will...	Direct and Indirect Measures*			
Goal 1: Necessary biophysical, psychosocial and dental hygiene knowledge requisite for a comprehensive understanding of dental	-demonstrate their understanding of dental hygiene practice	Measure 1: Quizzes, discussions, planning sessions for community projects	Measure 1: Students scored 80% or better on quizzes, all participated in planning sessions with discussion	Measure 1: Successful transfer of didactic knowledge base to performance in the clinical setting	Measure 1: No curricular or pedagogical changes needed at this time

Evidence of Learning: High Impact Service Learning					
Program Learning Goal	Measurable Learning Outcome	Method of Measurement	Findings Linked to Learning Outcomes	Interpretation of Findings	Action Plan/Use of Results
Students will...	Students will...	Direct and Indirect Measures*			
hygiene practice					
Goal 2: The technical skills, both fundamental and advanced, essential to the practice of dental hygiene	-facilitate community dental health programs	Measure 1: quantitative and qualitative analysis performed by students, with final report authored by students	Measure 1: successful projects and scores of 90% or above on the final reports	Measure 1: Students successfully demonstrated competence	Measure 1: Faculty will review of transfer in all related courses; this outcome will be reassessed during next review
Goal 5: The leadership and initiative capabilities essential for assuming roles of responsibility within the dental hygiene profession and society	-function as the facilitators in community dental health programs	Measure 1: Participation in planning, assessing programs	Measure 1: Students participated in Student Association community service activities and community based learning projects	Measure 1: Students completed reflective activities on Facebook, in a journal or written reflective paper, as well as in classroom discussions that demonstrated learning	Measure 1: Faculty agree to include review of transfer in all related courses; this outcome will be reassessed during next review
Goal 6: The moral habitude requisite for the effective	-facilitate community dental health programs	Measure 1: Participation in planning, assessing programs	Measure 1: all students participated in service activities	Measure 1: Students completed reflective	Measure 1: No curricular or pedagogical changes needed at this time

Evidence of Learning: High Impact Service Learning					
Program Learning Goal	Measurable Learning Outcome	Method of Measurement	Findings Linked to Learning Outcomes	Interpretation of Findings	Action Plan/Use of Results
Students will...	Students will...	Direct and Indirect Measures*			
performance of responsibilities within dental hygiene practice and within society				activities on Facebook, in a journal or written reflective paper, as well as in classroom discussions that demonstrated learning	
		Measure 2: External Examination: National Board Examination and Clinical WREB examination	Measure 2: All students passed the National Board exam in community dental health sections	Measure 2: Students demonstrated competence and understanding of community service concepts	Measure 2: No curricular or pedagogical changes needed at this time

## Appendix A

Most departments or programs receive a number of recommendations from their Five/Seven-Year Program Review processes. This page provides a means of updating progress towards the recommendations the department/program is acting upon.

Date of Program Review: 2017 CODA	Recommendation	Progress Description
Recommendation 1  CODA no longer sites recommendations, nor do they cite commendations	Text of recommendation: At the time of the site visit, the committee determined the Dental Hygiene Program was in compliance & had maintained compliance since the last review, 2010.	The Program has documented effectiveness using formal and ongoing outcomes assessment including student achievement. Dated Feb 2018: CODA adopted to continue accreditation status of “approval without reporting requirements”.
Recommendation 2	Text of recommendation	
Recommendation 3	Text of recommendation	
(add as needed)		

Additional narrative:

## Appendix B

Please provide the following information about the full-time and adjunct faculty contracted by your department during the last academic year (summer through spring). Gathering this information each year will help with the headcount reporting that must be done for the final Five Year Program Review document that is shared with the State Board of Regents.

Print, pass around one copy, Kaila can update & add 19/20, 2021

Faculty Headcount	2017-18	2018-19	2019-2020	2020-2021
With Doctoral Degrees (Including MFA and other terminal degrees, as specified by the institution)	2	2	1	
Full-time Tenured	0	0	0	
Full-time Non-Tenured (includes tenure-track)	1	1	1	
Part-time and adjunct	1	1	0	
With Master's Degrees	7	7	9	
Full-time Tenured	4	5	4	
Full-time Non-Tenured	1	0	0	
Part-time and adjunct	3	4	5	
With Bachelor's Degrees	7	6	5	
Full-time Tenured	0	0	0	
Full-time Non-tenured	0	0	0	
Part-time and adjunct	7	6	5	
Other				
Full-time Tenured				
Full-time Non-tenured				
Part-time				
<b>Total Headcount Faculty</b>	<b>17</b>	<b>17</b>	<b>15</b>	
Full-time Tenured	5	5	4	
Full-time Non-tenured	1	1	1	
Part-time	11	11	10	

**Appendix C** – alternative format for Evidence of Learning Reporting NA

Course:

Program Outcome 1	
Aligned Course Outcome(s):	
Method(s) of measurement:	
Target Performance:	
Actual Performance:	
Interpretation/Reflection on findings:	
Action Plan/Use of Results:	
Intended evaluation of plan (closing the loop):	

**Please respond to the following questions.**

- 1) First year student success is critical to WSU's retention and graduation efforts. We are interested in finding out how departments support their first-year students. Do you have mechanisms and processes in place to identify, meet with, and support first-year students? Please provide a brief narrative focusing on your program's support of new students:
  - a. Any first-year students taking courses in your program(s).
    - i. Not applicable, students in our Department are not first-years students
  - b. Students declared in your program(s), whether or not they are taking courses in your program(s):
    - i. Once admitted, students' cattracks progress is updated, and student meet at least twice a semester for formal review/feedback with a faculty advisor. If they are declared, but not taking courses, they are mostly likely taking pre-requisites and meet with admission's advisors in the E.R. Dumke College of Health Professions who work closely with us for admissions.
- 2) A key component of sound assessment practice is the process of 'closing the loop' – that is, following up on changes implemented as a response to your assessment findings, to determine the impact of those changes/innovations. It is also an aspect of assessment on which we need to improve, as suggested in our NWCCU mid-cycle report. Please describe the processes your program has in place to 'close the loop'.
  - a. Faculty meet for regular curriculum reviews; we must adhere to accreditation guidelines and are formally reviewed by an outside agency every 7 years. We also receive feedback via outside testing agencies and monitor the success rates on both written and clinical examinations (we have highly successful pass rates); employers are also highly satisfied with the caliber of our student's education. "Closing the loop" for individual courses is included on the curriculum learning outcome grid.
  - b. We update "the loop" regularly as each faculty monitors progress of students, curriculum and student success in their courses as well as written and clinical examinations.



## Glossary

### Student Learning Outcomes/Measurable Learning Outcomes

The terms ‘learning outcome’, ‘learning objective’, ‘learning competency’, and ‘learning goal’ are often used interchangeably. Broadly, these terms reference what we want students to be able to do AFTER they pass a course or graduate from a program. For this document, we will use the word ‘outcomes’. Good learning outcomes are specific (but not too specific), are observable, and are clear. Good learning outcomes focus on skills: knowledge and understanding; transferrable skills; habits of mind; career skills; attitudes and values.

- Should be developed using action words (if you can see it, you can assess it).
- Use compound statements judiciously.
- Use complex statements judiciously.

### Curriculum Grid

A chart identifying the key learning outcomes addressed in each of the curriculum’s key elements or learning experiences (Suskie, 2019). A good curriculum:

- Gives students ample, diverse opportunities to achieve core learning outcomes.
- Has appropriate, progressive rigor.
- Concludes with an integrative, synthesizing capstone experience.
- Is focused and simple.
- Uses research-informed strategies to help students learn and succeed.
- Is consistent across venues and modalities.
- Is greater than the sum of its parts.

### Target Performance (previously referred to as ‘Threshold’)

The level of performance at which students are doing well enough to succeed in later studies (e.g., next course in sequence or next level of course) or career.

### Actual Performance

How students performed on the specific assessment. An average score is less meaningful than a distribution of scores (for example, 72% of students met or exceeded the target performance, 5% of students failed the assessment).

### Closing the Loop

The process of following up on changes made to curriculum, pedagogy, materials, etc., to determine if the changes had the desired impact.

### Continuous Improvement

An idea with roots in manufacturing, that promotes the ongoing effort to improve. Continuous improvement uses data and evidence to improve student learning and drive student success.

### Direct evidence

Evidence based upon actual student work; performance on a test, a presentation, or a research paper, for example. Direct evidence is tangible, visible, and measurable.

### Indirect evidence

Evidence that serves as a proxy for student learning. May include student opinion/perception of learning, course grades, measures of satisfaction, participation. Works well as a complement to direct evidence.

### HIEE – High Impact Educational Experiences

Promote student learning through curricular and co-curricular activities that are intentionally designed to foster active and integrative student engagement by utilizing multiple impact strategies.