

Dental Hygiene

Summary of Program Assessment Findings

11/3/2008 to 11/3/2009

Catalog Description

Successful completion of this program leads to an associate in applied science degree and is designated as an extended degree program in that the student must complete a minimum of 73 or more required credit hours. The program prepares selected individuals through theory and clinical experiences to assume the responsibility of providing safe, competent care for the dental patient in the prevention of oral disease. Students must first be admitted to the college and designate dental hygiene (DHY) as their curriculum and Highland Lakes (HL) as their home campus. Dental Hygiene courses involving the clinical experiences are offered only at the Highland Lakes Campus. Registration in the dental hygiene courses is possible only after the student is admitted to the dental hygiene program through a selection process based on a system of priorities. Beginning with the selection process for fall of 2009, the prospective dental hygiene students will be chosen based on the grade point average (GPA) of the pre-requisite courses. If duplications based on pre requisite GPA exists, students will be ranked according to the earliest date of completion of pre requisite courses. All requirements must be completed by no later than December 15th of the year preceding intended enrollment into the dental hygiene program.

Within this timeframe:

16 Benchmark(s) scheduled to be assessed

16 Benchmark(s) assessed

0 Benchmark(s) not assessed

Note: The following pages reflect findings for Benchmark(s) assessed.

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Learning Outcome

100% of the students will integrate knowledge and skill synthesized from the classroom and clinical educational experience into the practice of Dental Hygiene.

Benchmark

176.1A 100% of the students will pass all theory examinations for dental hygiene practice at > 75% based on the dental hygiene grading scale.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
<p>This benchmark depicts the level the dental hygiene students are at the last semester before graduation. This benchmark allows the faculty the insight into areas and concepts that students are proficient in as well as developing competencies. The class of 2009 had a competent level in regards to percentage in their final comprehensive clinical and didactic courses, with a class average of 82%. The class average for the exit exam was 86% which was at the high competency level, with 6 students having scored in the 90% range. To improve on this learning outcome and continue with competent levels, an additional competency mock NERB exercise will be given in the 4th semester of the students education and an additional competency case study practical will be given to improve patient management skills in radiographic interpretation and dental hygiene care planning for the next graduating class.</p>	Yes	<p>To develop and implement a 4th semester mock NERB exercise and also develop and implement a case study practical on radiographic interpretation and care planning in 5th semester before exit examination to improve competencies in these areas.</p>	4/1/2009	

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Summary of Program Assessment Findings

11/3/2008 to 11/3/2009

Benchmark

176.1B 100% of the students will pass all clinical exams at an average of > 75% based on the dental hygiene grading scale.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
The class average was 87%, the students showed above average competency in patient management, DH care planning, instrumentation strategies but was only at competency in radiographic interpretation and instrumentation on manikins.	Yes	For fall 2009, the students will be required 4 radiographic interpretations each semester. In addition, the clinical requirements for quad scale with an instructor will be increased to two times in a semester. These changes should enhance the learning in radiographic interpretation and instrumentation	6/1/2009	New

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Benchmark

176.1B 100% of the students will pass all clinical exams at an average of > 75% based on the dental hygiene grading scale.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
<p>The dental hygiene program has increased overall performance on DHY 1284 OSCE, although there were two failures, the passing average was 82%.</p> <p>The exit OSCE for graduating seniors proves to be a valuable assessment of graduating seniors overall knowledge and clinical experience level. The dental hygiene program has adopted a new textbook that has case study applications which students will review in debriefing in DHY 1283 and DHY 1284 for Fall 2008. This textbook will increase the integrated knowledge and practical skill of process of dental hygiene. The students will have weekly assignments that are focused on a specific special needs and patient management skills.</p> <p>The dental hygiene program anticipates the use of the new textbook in clinical debriefing should help improve performance on the DHY 1284 OSCE.</p>	No	<p>The senior dental hygiene courses will use the new case study textbooks with assigned weekly assignments that will be reviewed in debriefing sessions. This revision should help integrate knowledge with practical experience which will enhance the students learning and improve performance on DHY 1284 OSCE.</p>	6/1/2009	

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11/3/2008 to 11/3/2009

Benchmark

176.1C 100% of the students will integrate knowledge acquired through coursework to design and present a case study on a clinical patient at a score of > 75% based on the dental hygiene grading scale.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
<p>The class average was 91% for Second Year Students on this assessment. They performed above average on the presentation portion of the project with a 96% class average.</p> <p>The first students averaged 86% on the written portion and 96% on the oral presentations.</p>	Yes	<p>The second year students will be required to continue to turn in a rough draft for review.</p> <p>The first year students will be required to turn in a rough draft of the first two sections of the report and return with suggestions for revisions. In class the grading rubric will be reviewed to improve student understanding of written expectations.</p> <p>Need to change the assessment date to 7-2010 to be able to collect and analyze the data.</p>	5/1/2009	New

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Summary of Program Assessment Findings

11/3/2008 to 11/3/2009

Benchmark

176.1D 100% of the students will achieve a success rate of > 75%, based on the national standard on both components of the National Board of Dental Hygiene Examination (NBDHE) (stand alone questions and case based competencies).

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
<p>This benchmark of the NBDHE scores allows the dental hygiene faculty to view the strengths and weaknesses of the dental hygiene students in regards to 13 specific subject areas of dental hygiene education. This insight gives the faculty direction for revising course materials and learning activities which helps to improve the scores on the NBDHE for the next graduating class. Even though this benchmark was met very successfully this year, we have taken the information especially in the weak areas and modify the mock National Board examination to include more questions and concepts in these deficient areas.</p>	Yes	<p>The modification to the benchmark is to change the date for assessment which should be in June. This change will allow all the students examination scores to be collected and analyzed because this data comes from the ADA in the middle of May each year.</p>	4/1/2009	

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Summary of Program Assessment Findings

11/3/2008 to 11/3/2009

Learning Outcome

100% of students will safely use the instruments and technology/equipment necessary to provide competent dental hygiene care.

Benchmark

176.2A 100% of the students will provide treatment at > 75% using a competency-based rubric for a minimum of 60 patients by the completion of the program.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
The second year students at the end of their last semester had a class average of 91% for patient completions on the competency based rubric.	Yes	No modifications	8/1/2009	New

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11/3/2008 to 11/3/2009

Benchmark

176.2B 100% of the students will progressively perform from > 75% (DHY 1281) to 90% (DHY 1284) on clinical evaluations using a competency-based rubric.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
All the students in DHY 1281 reached the benchmark of 75% with the average being 87%. All the students in DHY 1284 reached the benchmark of 90% with the average being 92%.	Yes	No modifications	7/1/2009	New

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Summary of Program Assessment Findings

11/3/2008 to 11/3/2009

Benchmark

176.2C 100% of the students will progressively perform from > 75% to > 90 % in clinical procedures as they progress through DHY 1282, DHY 1823, and DHY 1284 following competency based rubrics.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
The students met this benchmark with a class average of 91% in DHY 1283 and DHY 1284.	Yes	The change to this benchmark is to have this assessment evaluated only in DHY 1282, 1283, and 1284. The competency based rubric will be used and the performance should progress from 75% competency to 90% competency in DHY 1284.	7/1/2009	New

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Summary of Program Assessment Findings

11/3/2008 to 11/3/2009

Benchmark

176.2D 100% of the students will achieve > 75% competency on the Objective Structured Clinical Exercise (OSCE)
 – Capstone Project.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
The dental hygiene faculty has identified that the class needs continued application of medical and dental history items as relevant to dental hygiene care and continued exercises in applying concepts of instrumentation.	No	Pedagogy - Conduct in class group work using the Patient Assessment Tutorial to enhance student understanding. Curriculum - Incorporate the Saunders textbook, Review of Dental Hygiene into weekly clinic sessions to help prepare student's for critical thinking multiple choice questions similar to the question base on the OSCE.	6/1/2009	New

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Benchmark

176.2E 100% of the students will achieve a success rate of > 75% on both the Northeast Regional Board (NERB), based on the National Standard of Northeast Regional Board (NERB) and the Computer Simulated Clinical Exercise.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
<p>This assessment since it is based on an Outside Examination Organization (NERB) provides the Dental Hygiene insight into the revisions and instruction needed to have 100% passage on these clinical state boards. To provide more practice and increase the knowledge and skills needed to be successful for these exams another mock NERB will be held in the fourth semester of the program.</p>	No	<p>To add a Pre-Mock NERB experience in the fourth semester of the students education. This exam will be similar but on a smaller scale to the Mock NERB they take in their last semester in the program. In addition this exam is scheduled in a manner to provide feedback that day and needed instruction for remediation to help the student's clinical abilities.</p>	5/1/2009	New

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Summary of Program Assessment Findings
11/3/2008 to 11/3/2009

Learning Outcome

100% of the students will apply legal and ethical principles to assigned case studies.

Benchmark

176.3A 100% of the students will apply legal and ethical principles to assigned studies at > 75%.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
All students met this benchmark at above average competency.	Yes	No modifications	7/1/2009	New

Dental Hygiene Summary of Program Assessment Findings

11/3/2008 to 11/3/2009

Benchmark

176.3B 100% of the students responding to the Graduate Survey will rate their ability to understand the legal and ethical principles of dental hygiene care at > 3 on a scale of 1-4.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
The Graduates feel very satisfied with their education in legal and ethical principles. In the survey in the comment section they stated that performing the everyday ethics and legal situations case studies prepared them well for real work situations.	Yes	no modifications	9/1/2009	New

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Summary of Program Assessment Findings

11/3/2008 to 11/3/2009

Learning Outcome

100% of the students will apply critical thinking and independent clinical judgment in the performance of dental hygiene care.

Benchmark

176.4A 100% of the students will complete eight child and eight adult oral health presentations at > 75% (DHY 1281) to > 90% (DHY 1284) competency.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
<p>The class average for child and adult health presentations was 92.6% at the end of DHY 1284. This benchmark allows us an opportunity throughout the students' educational experience their ability to critically think and provide comprehensive oral health education to their patients.</p> <p>The class average for DHY 1281 and DHY 1282 for child care plan was 88% and adult 94%.</p>	Yes	Benchmark and learning outcome are revised. [Plan changes provided]	8/1/2009	New

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11/3/2008 to 11/3/2009

Benchmark

176.4B 100% of the students in DHY 1282 will prepare a Capstone Project on one patient that analyzes patient data, formulates a dental hygiene diagnosis, and presents a completed care plan to the supervising dentist and patient using a competency-based rubric at > 75%.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
The students met the benchmark in completing the case report, case presentation and the final grade with the class average of 86% on the written report and 96% on the class presentation.	Yes	2009 Revised grading rubric to more accurately detail the expectation of revealing student understanding of risk factors to oral and systemic health. In addition students will turn in a rough draft of the first 2 sections of the report to be returned with suggestions/revisions. In the classroom I will review grading rubric so students better understand written expectation.	5/1/2009	New

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Benchmark

176.4C 100% of the students will provide treatment, and analyze and interpret patient data for all five phases of dental hygiene care at > 75% (DHY 1281) to > 90% (DHY 1284) competency on all patients.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
The class average for this benchmark in DHY 1284 was 93.4%. This benchmark continually assesses the students' ability to provide comprehensive care to their patients. This benchmark evaluates the students' abilities in clinical judgment and critical thinking as to their performance on the five phases of patient care. The class average in DHY 1281 and 1282 was 92%.	Yes	No modifications	8/1/2009	New

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11/3/2008 to 11/3/2009

Benchmark

176.4D 100% of the second year DHY students will prepare a Capstone Project on a patient that analyzes patient data, formulates a dental hygiene diagnosis and presents a dental hygiene care plan to their peers using a competency-based rubric at > 85%.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
The students met this benchmark with a class average of 96% by instructor evaluation. The student's peer evaluation averaged 92%.	Yes	The students will be asked to present a radiographic interpretation to instructor and peers as part of their case study presentation. This addition to the project will improve the students ability in radiographic interpretation in care planning for their case study patient.	7/1/2009	New