

# **Program-level “Student Learning Outcomes” Assessment Plan for Curricular Programs**

Program: *MXC Dental Hygiene*

Department(s): *Health Sciences*

College: *Malcolm X*

Degree(s): *AAS*

Assessment Coordinator(s): *May Alimboyoguen*

Plan Time Frame: *August 2016- (cycle TBD)*

## **1. Program Mission Statement/Goals/Objectives**

The mission of the Malcolm X College Dental Hygiene Program is to educate students to provide comprehensive dental hygiene care to diverse populations utilizing critical thinking and evidenced-based decision making.

### **Goals**

GOAL A- Assist students in developing critical thinking skills, basic research skills and a respect for individual differences so that they can provide quality comprehensive patient-centered care to all patients.

GOAL B: Accept qualified students and provide them with the education and support they need to graduate and meet their professional/employment goals.

GOAL C: Provide students with opportunities for community service and professional participation so that they develop skills to become socially responsible.

GOAL D: Provide students with the knowledge and skills necessary to pursue alternative roles related to dental hygiene, dentistry, and public health.

### **Program Objectives**

1. Provide instruction in a body of knowledge that is well grounded in the basic sciences;
2. Provide students with a framework for the ethical care of patients;
3. Provide instruction in current clinical practice with emphasis on patient-centered care;
4. Provide broad-based and varied clinical experiences;
5. Provide clinical experiences in a variety of external settings;
6. Integrate basic science and behavioral science into clinical practice;
7. Provide the opportunity for critical thinking and the use of evidence-based research in provision of oral health care to patients;
8. Provide a basis for effective interaction with other health professionals.

**2. Program-level Student Learning Outcomes (SLO).** Student-centered outcomes stated in terms of what the student should know and be able to do upon graduation.

*Outcome 1:* Interpret and apply aspects of dental sciences including: tooth morphology, head, neck and oral anatomy, embryology and histology, oral pathology, radiography, pain management and dental materials.

*Outcome 2:* Perform the following skills: oral health education and preventive counseling, health promotion, pain management, clinical dental hygiene, provision of services for and management of patients with special needs, community dental/oral health, addressing medical and dental emergencies, legal and ethical aspects of dental hygiene practice, adhering to infection and hazard control management for patient and operator safety.

Outcome 3: Participate in and analyze the dental hygiene process of care for individuals and community-based programs: (assess/collect data, analysis of data, establishing a plan, provision of services, evaluation of goals, and accurate documentation).

Outcome 4: Express a personal philosophy of social responsibility through various clinical and outreach experiences.

Outcome 5: Develop a personal philosophy of professional responsibility that is based on principles of ethical decision making and adhering to legal and regulatory concepts.

Outcome 6. Demonstrate effective communication and interpersonal skills to provide care in a multicultural setting.

Outcome 7. Apply principles of evidence-based research in order to make decisions regarding delivery of care

Outcome 8. Critically self-evaluate and implement corrective action to prepare for life-long learning;

**3. Curriculum Alignment of Program-level Student Learning Outcomes.** Align curricula with learning outcomes.

*REMINDER: Cohesive curricula provide students with opportunities to integrate, synthesize, practice and develop increasingly complex ideas, skills and values. Place an 'X' in the boxes if an outcome is addressed in a course and an 'A' if the outcome is assessed in the course.*

SLO	DH112	DH121	DH122	DH123	DH124	DH125	DH126	DH128	DH130	DH131	DH133	DH135	DH132
#1 dental sciences		X				X-A	X-A	X-A	X-A			X	X
#2 skills		X-A	X-A	X-A	X-A	X	X	X				X-A	
#3 DH Process/Community		X-A		X-A	X-A								X
#4 social responsibility													
#5 professional responsibility				X-A	X-A		X						
#6 communication/professionalism	X-A			X-A	X-A	X	X						
#7 evidenced based research													
#8				X	X								
SLO	DH200	DH202	DH233	DH235	DH241	DH243	DH250	DH251	DH252	DH254	DH256	DH258	DH260
#1 dental sciences			X		X	X	X					X	
#2 skills	X-A		X-A	X-A		X	X-A	X-A	X-A		X-A		
#3 DH Process/Community	X-A			X-A		X		X-A	X-A		X-A		
#4 social responsibility				X							X-A	X	X
#5 professional responsibility/ethics	X	X		X		X		X	X	X	X	X	X
#6 communication/professionalism	X-A			X		X	X	X-A	X-A	X	X	X	X-A
#7 evidenced based research		X-A				X		X-A			X		
#8 self-assessment/life long learning	X-A		X-A	X				X-A	X-A			X	X

**4. Strategies to assess Program-level student learning.** Gather evidence in the aggregate about how well students have mastered the learning outcomes. *REMINDER: Multiple strategies (measures) should be used to provide evidence of student learning; Process should be meaningful, manageable and sustainable. Are we fulfilling our mission and intended learning outcomes?*

SLO	Assessment Strategy (Measures) to be used	Performance Indicator(s):	Evidence Collection: When and where?
1	DH125-Nutritional counseling plan DH 126-Radiographic Interpretation Competency DH 128-Exams DH130 Lab Competency, Exams DH133-Project and Exams National Licensure Exams Regional Licensure Exam	Competency Goal for First year courses- 76% or above (passing)  Licensure Pass Rate Goal 85%  Exit Interview: self-evaluation of preparation for entry into profession	Every Semester for Course exams, projects, competencies  End of Spring for Licensure Exams
2	DH121 Exam DH122 Exam DH123 competencies DH124 Exam DH126 Clinic Competency DH135-Assignments and Exams DH 252- Clinic competency National Licensure Exam Regional Licensure Exam	Competency Goal for First year courses- 76% or above (passing)  Clinical Competency Goal for second year courses: 90%  Licensure Pass Rate Goal 85%	Every Semester for Course exams, projects, competencies  End of Spring for Licensure Exams
3	DH121 Exam DH123 Exam DH124 Exam DH256 Community Project	Exam/Project Goal -76% or above (passing)  Licensure Pass Rate Goal 85%	Every Semester for Course exams, projects, competencies  End of Spring for Licensure Exams

	National Licensure Exam Regional Licensure Exam		
4	DH256 Evaluation of community project DH258 Exam National Licensure Exam Regional Licensure Exam Graduate Exit Interview	Exam/Project Goal -76% or above (passing)  Licensure Pass Rate Goal 85%  Graduate Exit Interview Goal- Likert Scale rating 4-5 (5 is where student reveals "very prepared")	Every Semester for Course exams, projects, competencies  End of Spring for Licensure Exams End of Spring for Exit Interview
5	DH123 competency DH124 exam DH200 competency DH251 competency DH256 evaluation of project DH252 competency DH258 exam National Licensure Exam Regional Licensure Exam	Exam/Project Goal -76% or above (passing)  Competency Goal for First year courses- 76% or above (passing)  Competency Goal DH252- 90%  Licensure Pass Rate Goal 85%	Every Semester for Course exams, projects, competencies  End of Spring for Licensure Exams
6	DH112 project DH123 competency DH124 competency DH200 competency DH251 competency DH252 competency National Licensure Exam Regional Licensure Exam	Exam/Project Goal -76% or above (passing)  Competency Goal for First year courses- 76% or above (passing)  Competency Goal DH252 is 90%  Licensure Pass Rate Goal 85%	Every Semester for Course exams, projects, competencies  End of Spring for Licensure Exams
7	DH202 Poster Presentation DH252 Evidence Based Project National Licensure Exam Regional Licensure Exam	Exam/Project Goal 76% or above (passing)  Licensure Pass Rate Goal 85%	Every Semester for Course exams, projects, competencies  End of Spring for Licensure Exams

8	DH252 Self Evaluation DH 252 Journal Entry  Assessment after Graduation	90% agreement on self-evaluation as compared to faculty evaluation  Journal entry regarding plans for continuing professional education  Number of continuing education courses completed since graduation	Once a year during DH 252  Once a year Fall Survey Monkey to be released to Alumni
---	----------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------

<b>Assessment Method/Data</b>	<b>Method for dissemination</b>	<b>Expected Result</b>	<b>When is it Assessed/Who Monitors?</b>	<b>Results</b>	<b>Improvement or Action Resulting</b>
<p><b>Competencies</b></p> <p>Students must pass competencies at the required level for first year courses with a 76% or above. In 2nd year, 90% competency on all clinical competencies, 90% agreement on self-evaluation as compared to faculty evaluation of skill level.</p>	<p>All dental hygiene faculty are responsible in supporting students to meet competency levels and evaluate student progress. Each faculty member reports significant findings directly to Program Director.</p>	<p>&lt; 10% need remediation in more than one area of skill.</p>	<p>Ongoing: every semester</p> <p>The results are shared at the monthly dental hygiene department meetings.</p>	<p>During 2015/2016 Year: <b>&lt;10% needed remediation</b></p>	<p>Continue to monitor</p>
<p><b>Regional board exams</b></p>	<p>PD shares results from licensure exams in the Fall with faculty and Advisory committee.</p>	<p>85% pass rate on first attempt</p>	<p>First Fall Department Meeting/PD monitors</p>	<p><b>Regional Board Exam: 100% pass Class of 2016</b></p>	<p>Continue to monitor performance</p>
<p><b>National Board Exam</b></p>	<p>PD shares results from licensure exams in the Fall with faculty and Advisory committee.</p>	<p>85% pass rate on first attempt</p>	<p>First Fall Department Meeting/PD monitors</p>	<p><b>National Board Exam: 100% pass Class of 2016</b></p>	<p>Continue to monitor performance</p>



<b>Assessment Method/Data</b>	<b>Method for dissemination</b>	<b>Expected Result</b>	<b>When is it Assessed/Who Monitors?</b>	<b>Results</b>	<b>Improvement or Action Resulting</b>
<b>Senior Exit Survey and Interview</b>	PD has each student complete survey on 18 criteria of curriculum. Then, the PD meets individually with each student to discuss the survey and program outcomes	Students satisfied with curriculum content.  Ratings ranging from 3 (prepared), 4 (above average prepared), 5 (very well prepared).	May 2016  Program Director	Students (Class of 2016) are generally satisfied with the program.  All scores ranged from 3-5.  Students rated mean scores of 3.65-4.86 for all 18 criteria.  3.65 was for Overall experience and 4.86 was for infection control.  28% of students polled said they were deficiencies in amount of pediatric experiences (including placing sealants).	PD is working to improve the content and likert scale of the survey.  In September 2016, CCC child lab school directors were contacted to market DH clinical services offered to children.
<b>Graduate Employment Survey</b>	SurveyMonkey was deployed in September 2016 to Class of 2016 and Class of 2015	80% of students employed or pursuing advanced degree	September/October  Program Director	Data to be collected ending October 1 <sup>st</sup> , 2016	TBD in October

<b>Graduate Outcomes Survey</b>	SurveyMonkey was deployed in September 2016 to Class of 2016	Students satisfied with Program meeting Outcomes and feel prepared for employment	September/October Program Director	Data to be collected ending October 1 <sup>st</sup> , 2016	TBD
<b>Course Evaluations</b>	KKC Administration and Research and Planning Director disseminates surveys to PD/Dept Chair in the Spring.	All student evaluation of instruction shows above average satisfaction scores.	Last received was April 2016 from KKC.	All student evaluation of instruction shows above average satisfaction scores from Fall 2015.	PD need to determine process and resources for information at MXC. (collect from Dhiya in Fall term)
<b>Course Performance</b>		95% of students pass all courses	Every semester/All Program Director and Faculty	Current 2016/2017: All students passed courses in the Summer 2016. (1 student dropped DH112 course and withdrew from Program- non-interest in field)  Year 2015/2016 In summer 2015: 2 students failed DH112 Course.	Upon interview for admissions and upon new student orientation in April-June 2016, we discussed time management skills and rigor of the program.
<b>Chart Audits</b>		80% pass rate in patient chart audits	All faculty (2 times a semester in Fall and Spring) PD (weekly)	In Spring 2016, Significant deficiencies found in Dentrix "patient information	In Spring and summer 2016, faculty was calibrated to

				<p>folder” with over 50% of entries not having adequate addresses and date of Birth.</p> <p>In Sept 2016, PD identified several deficiencies in clinical note documentation.</p>	<p>completed chart audit process. Faculty then ensured student entries were being completed.</p> <p>A calibration session for all faculty is planned for October 2016 to rectify deficiencies in documentation.</p>
<b>Occurrence Report</b>	Any incident report that occurs with student or faculty that involves an instrument, needle or puncture wound is reported to PD and documented	The goal is for no occurrences with a maximum of 2 per semester.		<b>Current 2016/2017 year: no incidents have occurred</b>	Track incidents and monitor trends