

Program-Level Assessment Plan

Program: Graduate Periodontics	Degree Level Master’s post-doctoral program
Department: Periodontics	College/School: Center for Advanced Dental Education
Date (Month/Year): August 2021	Primary Assessment Contact: Dr. Elio Reyes Rosales

Note: Each cell in the table below will expand as needed to accommodate your responses.

#	Student Learning Outcomes	Curriculum Mapping	Assessment Methods	
			Artifacts of Student Learning (What)	Evaluation Process (How)
	<p>What do the program faculty expect all students to know or be able to do as a result of completing this program?</p> <p>Note: These should be measurable and manageable in number (typically 4-6 are sufficient).</p>	<p>In which courses will faculty intentionally work to foster some level of student development toward achievement of the outcome? Please clarify the level at which student development is expected in each course (e.g., introduced, developed, reinforced, achieved, etc.).</p>	<p>Artifacts of Student Learning (What)</p> <ol style="list-style-type: none"> 1. What artifacts of student learning will be used to determine if students have achieved this outcome? 2. In which courses will these artifacts be collected? 	<p>Evaluation Process (How)</p> <ol style="list-style-type: none"> 1. What process will be used to evaluate the artifacts, and by whom? 2. What tools(s) (e.g., a rubric) will be used in the process? <p>Note: Please include any rubrics as part of the submitted plan documents.</p>
1	<p>Prepare residents to be competent in all aspects of clinical periodontics</p>	<p>Clinical Periodontics course Current Literature course Principles of Periodontics course Periodontal Literature Review course Periodontal Case Presentation course</p>	<p>Final Grades from each didactic course.</p> <ul style="list-style-type: none"> • Clinical Periodontics • Current Literature • Principles of Periodontics • Periodontal Literature Review • Periodontal Case Presentation <p>Alumni Surveys</p>	<p>Course grades at end of each course(Course Director)</p> <p>Exit interview at the end of Spring Semester for graduating residents (Program Director. Executive Director)</p> <p>Alumni survey sent at time intervals (Program Director/ Advisory Committee)</p>
2	<p>Prepare residents to effectively teach pre-doctoral students.</p>	<p>Teaching Practicum</p>	<p>Faculty Outcomes Survey</p>	<p>Outcomes Survey from Faculty at end of Spring and Fall Semesters</p>

3	Critically evaluate scientific literature and communicate the information to others	Periodontal Literature Review course Current Literature Review course Core Curriculum courses	Final Grades from each didactic course. <ul style="list-style-type: none"> • Core Curriculum courses at CADE • Current Literature Review • Periodontal Literature Review Alumni Surveys	Course grades at end of each course (Course Director) Exit interview at the end of Spring Semester for graduating residents (Program Director, Executive Director) Alumni survey sent at time intervals (Program Director/ Advisory Committee)
4	Prepare residents to become certified by the American Board of Periodontology	Periodontal Literature Review course Periodontal Case Presentation course	AAP In-Service examination Alumni survey American Board of Periodontology List of Diplomates	Alumni survey (-3 year) regarding results of the Board Certification Exam (Program Director/ Advisory Committee)
5	Demonstrate an understanding of research design and methodology	Research Design course Statistics course	Final Grades from each didactic course. <ul style="list-style-type: none"> • Research Design • Statistics Complete a research project Complete a thesis Thesis defense	Course grades at end of each course (Course Director) Thesis defense outcome

Use of Assessment Data

1. How and when will analyzed data be used by program faculty to make changes in pedagogy, curriculum design, and/or assessment practices?

Assessment activities take place on several levels and different timelines depending on each outcome. Each course is assessed with either a grade or pass/fail for each resident.

Most graduates take the American Board of Periodontology certification exam following graduation and their performance can be assessed annually. The Program Director makes ongoing assessments.

The Graduate Periodontics Advisory committee meets twice a year and assesses the following: program applications, interview process, faculty outcomes surveys, clinical competency, exit interviews, alumni surveys, In-Service exams, resident teaching, resident research, infection control reports, and case presentations.

2. How and when will the program faculty evaluate the impact of assessment-informed changes made in previous years?

The Graduate Periodontics Advisory committee meets twice a year and assesses the impact of changes implemented previously to follow with possible modifications if needed.

Additional Questions

1. On what schedule/cycle will program faculty assess each of the program's student learning outcomes? (Please note: It is not recommended to try to assess every outcome every year.)

Each course director and clinical faculty submits a final grade at the end of each semester (Spring, Summer, Fall).

The Graduate Periodontics Advisory committee meets twice a year and assesses the following: clinical competency, In-Service exams, resident teaching, resident research, infection control reports, and case presentations.

Please see attached Outcomes Assessment for timelines.

2. Describe how, and the extent to which, program faculty contributed to the development of this plan.

The faculty of the Graduate Periodontal Program and the Faculty Advisory Committee have developed this plan and participate in regular updates as needed.

IMPORTANT: Please remember to submit any rubrics or other assessment tools along with this plan.

Outcomes Assessment of Educational Goals

Overall Goal or Objective	Recruit and educate dentists to limit their practice to the specialty of Periodontics.
Outcomes Assessment Mechanism	<ul style="list-style-type: none"> a. Review applicant qualifications b. Interviews c. Faculty Outcomes Survey
How often conducted	Yearly; (Faculty Outcomes Survey – every other year)
Date to be conducted/ finished by	Annually in October
Results expected	Fill class with qualified applicants
Results achieved	Objective met.
Assessment of results	Objective met.
Program improvement as a result of data analysis	Not applicable.
Date of next assessment	November 2021

Overall Goal or Objective	Prepare residents to be competent in all aspects of clinical periodontics
Outcomes Assessment Mechanism	<ul style="list-style-type: none"> a. Clinical Periodontics course b. Current Literature course c. Principles of Periodontics course d. Periodontal Literature Review course e. Periodontal Case Presentation course f. Exit interview g. Alumni survey
How often conducted	<ul style="list-style-type: none"> a, b, c, d, e – each term given f – annually g – 3 and 8 years post-grad.
Date to be conducted/ finished by	<ul style="list-style-type: none"> a. Clinical Periodontics course – summer, fall & spring terms b. Current Literature course – summer, fall & spring terms c. Principles of Periodontics course – summer, fall & spring terms d. Periodontal Literature Review course – fall & spring terms e. Periodontal Case Presentation course – summer, fall & spring terms f. Exit interview – June of final year g. Alumni survey – 3 and 8 years post-graduation
Results expected	To be competent in clinical periodontics upon graduation.
Results achieved	<ul style="list-style-type: none"> a, b, c, d, e – all residents have satisfactory grades f, g – residents feel proficient in clinical periodontics
Assessment of results	Objective had been met
Program improvement as a result of data analysis	Not applicable
Date of next assessment	See above

Overall Goal or Objective	Prepare residents to become certified by the American Board of Periodontology
Outcomes Assessment Mechanism	a. Periodontal Literature Review course b. Periodontal Case Presentation course c. AAP In-Service examination d. Alumni survey
How often conducted	a, b – given each term c – annually d – 3 and 8 years post-grad.
Date to be conducted/ finished by	a – fall & spring terms b – summer, fall & spring terms c – each year in March d – 3 and 8 years post-graduation
Results expected	50% become board certified
Results achieved	To date, 50% of our program alumni have become certified by the American Board of Periodontology
Assessment of results	Program changes resulted in improvement. From 2007-2013, to 2019-2021, increase in program alumni becoming board certified.
Program improvement as a result of data analysis	Board certification was emphasized and board preparation time during the program was increased.
Date of next assessment	Ongoing

Overall Goal or Objective	Cultivate intellectual growth and a desire to seek continued knowledge in the field of periodontics
Outcomes Assessment Mechanism	a. Alumni survey b. Faculty Outcomes Survey
How often conducted	Alumni survey - 3 and 8 years post-grad. Faculty Outcomes Survey – every other year
Date to be conducted/ finished by	September of appropriate years
Results expected	a. Alumni attend meetings and CE courses b. Alumni present CE courses c. Alumni teach (full or part-time)
Results achieved	Surveys indicate that alumni actively participate in meetings, CE courses and a significant number are presently teaching.
Assessment of results	Graduates of the program are active in seeking updated knowledge.
Program improvement as a result of data analysis	Additional alumni data will provide enough information to better access this goal and the need for improvements.
Date of next assessment	September 2022

Overall Goal or Objective	Prepare residents to effectively teach pre-doctoral students.
Outcomes Assessment Mechanism	a. Teaching Practicum b. Faculty Outcomes Survey
How often conducted	a – each term b – every other year
Date to be conducted/ finished by	a – summer, fall and spring terms of 2 nd and 3 rd year b – September of every other year
Results expected	Residents should demonstrate effective teaching skills.
Results achieved	All residents have obtained a “satisfactory” performance in the Teaching Practicum and the Faculty Outcomes Surveys.
Assessment of results	Residents have demonstrated the ability to effectively teach pre-doctoral students.
Program improvement as a result of data analysis	Not applicable.
Date of next assessment	Following each term.

Overall Goal or Objective	Demonstrate an understanding of research design and methodology
Outcomes Assessment Mechanism	a. Complete a research project b. Research Design course c. Statistics course
How often conducted	a - during second and third year of program b, c - annually
Date to be conducted/ finished by	a – spring term of third year b – spring term of first year c – fall term of first year
Results expected	a – residents complete an original research project b,c - residents achieve a passing grade
Results achieved	All resident have completed an original research project All residents have successfully completed the Research Design and Statistics courses
Assessment of results	Objective met.
Program improvement as a result of data analysis	Not applicable.
Date of next assessment	Ongoing

Overall Goal or Objective	Conduct an original research project resulting in a written thesis
Outcomes Assessment Mechanism	a. Complete a research project b. Complete and defend a thesis
How often conducted	During the second and third year of the program
Date to be conducted/ finished by	Spring term of the third year
Results expected	All residents will complete a research project. All residents will complete and defend a thesis.
Results achieved	All residents have completed an original research project. All residents (except two) have completed and defended a thesis.
Assessment of results	Overall, the results are good. All research has been completed by every resident. COVID-19 contingency affected some aspects of research projects from the class of 2020, but projects were completed.
Program improvement as a result of data analysis	Efforts have been made to start projects as early as possible to allow for any contingencies.
Date of next assessment	Ongoing

Overall Goal or Objective	Critically evaluate scientific literature and communicate the information to others.
Outcomes Assessment Mechanism	a. Periodontal Literature Review course b. Current Literature Review course c. Core Curriculum courses
How often conducted	At the end of each course
Date to be conducted/ finished by	Summer, fall and spring terms
Results expected	Residents achieve satisfactory grades
Results achieved	All residents have achieved satisfactory grades
Assessment of results	Residents are able to critically evaluate the scientific literature and communicate this information.
Program improvement as a result of data analysis	Not applicable.
Date of next assessment	At the end of the current term.