DENTAL GRADUATE COURSE
(DENG)

DENG 701. Introduction to Research Design. 1 Credits.
Introduction to scientific methodology, clinical epidemiology, oral biology
and technology transfer, clinical trials, evaluation of scientific literature,
experiments of nature, animal models for oral research, ethnicities in
research, laboratory simulations and research models, and proposal
writing.

Rules & Requirements
Grading Status: Letter grade.

DENG 702. Biostatistics. 2 Credits.
Introduction of biostatistical concepts, sampling, descriptive statistics,
hypothesis testing, comparisons of means and proportions, \(2 \times 2\) and \(r \times c\)
tables, correlation and simple regression, sample size and power, analysis
of variance, factorial ANOVA, multiple regression, and nonparametric tests.

Rules & Requirements
Grading Status: Letter grade.

DENG 704. Interdisciplinary Care Conference. 1 Credits.
For first & second-year dental graduate students. Review and discussion
of the diagnoses, treatment plans, prognoses, and interdisciplinary care
of selected patients.

Rules & Requirements
Repeat Rules: May be repeated for credit.
Grading Status: Letter grade.

DENG 707. Regional Anatomy. 3 Credits.
Review of the anatomy of the head and neck region, including osteology,
cardiovascular system, head and neck embryology, special sensory
modalities, nervous system, functional nervous system, and extraoral
correlation with the oral cavity.

Rules & Requirements
Grading Status: Letter grade.

DENG 710. Graduate Clinic. 2 Credits.
Observer / assist Faculty and Residents in the Graduate Clinic.

Rules & Requirements
Grading Status: Letter grade.

DENG 720. Applied Pharmacology. 1 Credits.
This course is designed for dental practitioners with sufficient general
and specific clinical pharmacology knowledge to appropriately and safely
utilize drugs in treatment. The course will be concentrated in three areas:
general clinical pharmacology principles, general clinical pharmacology
of medications, specific clinical pharmacology of drugs utilized by dental
practitioners.

Rules & Requirements
Grading Status: Letter grade.

DENG 751. Advanced Pain and Anxiety Control. 2 Credits.
Introduction to: operating room and recovery room protocol; patient
cardiovascular and pulmonary evaluation; adjunct and inhalant agents;
nitrous oxide; pharmacology of IV anesthetic agents; EKG interpretation;
arterial blood gases; anesthesia equipment monitoring; anesthetic
complications and emergencies; fluid and electrolyte and blood therapy;
airway management; venipuncture; pediatric anesthesia; and pre-op
evaluation, orders, and rounds.

Rules & Requirements
Grading Status: Letter grade.

DENG 799. Orientation for Clinical and Research Program. 2 Credits.
During this course, student complete required clinical training in the
program and the School of Dentistry, attend a library orientation, and are
introduced to research procedures and requirements.

Rules & Requirements
Grading Status: Letter grade.

DENG 801. Introduction to Educational Methodologies and Clinical
Teaching. 1 Credits.
This course provides learners with the knowledge and skills to function
as a dental educator. Emphasis will be placed on introduction to
didactic teaching and clinical instruction. There will be a focus on best
practices in clinical teaching that includes psychological safety, the
science of learning, learning objectives, course design, psychomotor
skill development, providing effective feedback, and evaluation. The
course will include a blended classroom discussion with live and online
activities.

Rules & Requirements
Grading Status: Pass/Fail.

DENG 890. Special Topics in Dentistry. 1-3 Credits.
This course will cover foundational topics or dental specialty content
tailored to the certificate or master students clinical area of interest.

Rules & Requirements
Repeat Rules: May be repeated for credit. 12 total credits. 4 total
completions.

DENG 901. Research. 1-6 Credits.
The goal of this course is to provide certificate or master students an
opportunity to investigate different research areas and to conduct an
independent research project under a faculty mentor.

Rules & Requirements
Repeat Rules: May be repeated for credit. 15 total credits. 5 total
completions.
Grading Status: Letter grade.