DIAGNOSTIC SCIENCES
(DGS10-DN)

DGS10-DN 3610 Elective in Precision Medicine (1 Credit)
This didactic course focuses on introducing students to the new
discipline of precision medicine. Medicine and dental medicine are
moving into a new era of dramatic change in the delivery of healthcare.
Instead of patients being treated in a generic, one-size-fits-all manner
based on population statistics, an IT driven revolution is occurring that
is changing the model of care in which doctors will be providing care to
patients – it is the model of precision or personalized medicine. This new
era is the era of salivary diagnostics and genomic medicine, to which
students are introduced in this course. It will emphasize the significance
of using salivary biomarkers as tools to diagnose and monitor such
oral diseases as caries, pulpal pathology, periodontal and peri-implantal
diseases, and orthodontic tooth movement. In addition, there will be
lectures on inflammation, the ethical and legal ramifications of genomics,
the meaning of risk and nutrition. This course is open only to students in
the Doctor of Dental Surgery program. Elective.

Grading: Dental Pass/Fail
Repeatable for additional credit: No