OCMB 600. Oral Biology Clinical/Laboratory Rotations. 2 Hours.
Semester course; 6 laboratory hours. 2 credits. Enrollment is restricted
to graduate students enrolled in the oral health research program.
Students will participate in clinical/laboratory rotations. Students will
work with mentors and gain practical experience in dentistry and dental
research. Graded S/U/F.

OCMB 701. An Introduction to Oral Biology. 2 Hours.
Semester course; 2 lecture hours. 2 credits. Restricted to students
enrolled in the oral health research graduate program or by permission
of the instructor. An overview course on the development, structures
and tissues of the head and neck. Topics include craniofacial and dental
development, cancers of the head and neck, the oral microbiome, immune
responses in the oral cavity, the connection between oral and systemic
diseases and recent advances in bioengineering for oral disease.

OCMB 702. Oral Pathogenesis. 2 Hours.
Semester course; 2 lecture hours. 2 credits. Restricted to students
enrolled in the oral health research graduate program or by permission
of the instructor. This course will provide a basic understanding of the
nature of disease and current therapeutic approaches to bacterial, viral
and molecular diseases of the head and neck and bone pathologies
originating from development defects and/or trauma. Students will learn
about the molecular causes of diseases and general approaches to
understanding and treating disease.

OCMB 703. Research Topics in Oral Biology. 1 Hour.
Semester course; 1 seminar hour. 1 credit. Restricted to students
enrolled in the oral health research graduate program or by permission
of instructor. This course will provide an in-depth discussion of current
research in head and neck diseases. Students will be expected to
critically evaluate relevant literature, discuss approaches to solving
research topics and begin to identify possible areas of research for their
dissertation. Graded as Pass/Fail.

OCMB 704. Oral Biology Seminar Series. 1 Hour.
Semester course; 1 seminar hour. 1 credit. This course will consist of
a series of seminars by invited speakers addressing research topics in
selected areas of oral health research and a series of student-led journal
clubs. Graded P/F.

Semester course; 1-15 laboratory research hours. 1-15 credits. Restricted
to students enrolled in the oral health research graduate program
or by permission of the instructor. This course will provide practical
laboratory experience in participating laboratories. Graded Satisfactory/
Unsatisfactory/Fail.

OCMB 706. Proposal Preparation. 1 Hour.
Semester course; tutorials and lectures. 1 credit. Restricted to students
enrolled in the oral biology graduate program or by permission of the
instructor. This course will provide students with the opportunity to draft
an NIH application. Graded P/F.

OCMB 707. Research Skills and Career Development. 1 Hour.
Semester course; tutorials and workshops. 1 credit. Restricted to
students enrolled in the oral health research graduate program or by
permission of the instructor. This course will provide students with the
opportunity to develop skills required to conduct and communicate their
research, including assessing literature and managing databases, poster
and oral presentations, finding research funding, preparing for writing the
thesis, and exploring career opportunities outside academia. Students
receive CO grading throughout enrollment with a pass/fail grade and
credit earned during the final semester.

OCMB 710. Post-candidacy Doctoral Research. 9 Hours.
Semester course; 9 research hours. 9 credits. May be repeated for credit.
Enrollment is restricted to students who have been admitted to doctoral
candidacy in a Ph.D. program in the School of Dentistry. Students will
participate in supervised discipline-specific research related to their
dissertation topic. Students must have approval from their current
degree program director to register. This course can be approved as
a substitution for any post-candidacy degree requirement. Graded as
Satisfactory/Unsatisfactory.

OCMB 791. Special Topics in Oral Biology Research. 1-9 Hours.
Semester course; 1-9 lecture hours. 1-9 credits. May be repeated for
credit with different topics. Lectures in selected areas of advanced study
or specialized laboratory procedures not available in other courses or as
part of the research training. Graded as Pass/Fail.