

**BOSTON UNIVERSITY
HENRY M. GOLDMAN SCHOOL OF DENTAL MEDICINE
STUDENT LEARNING OUTCOMES
OCTOBER 2013**

SECTION I. GENERAL DESCRIPTION

I. Organizational Structure of the School's Academic Programs

The Boston University Henry M. Goldman School of Dental Medicine (GSDM) is a graduate professional school whose academic mission is to educate and train oral health clinicians so that they possess the knowledge, skills and attitudes expected and required of competent and proficient practitioners. The School's academic programs are organized in three general categories: 1) the predoctoral "first-professional" Doctor of Dental Medicine (DMD) programs, 2) the postdoctoral "other graduate" Certificate of Advanced Graduate Studies (CAGS) in clinical specialty programs, and 3) the "graduate" Master's and Doctoral (MSD, DSc, DScD, PhD) research programs. The DMD program has two curriculum tracks, both University Hegis code 62: a traditional four-year track (referred to as the "DMD" track; 115 students per year), and an advanced standing two-year track for internationally trained dentists seeking education required for US or Canadian licensure (referred to as the "AS" track; ~80 students per year). In addition, the four-year track includes a small number (1-3 per year) of highly qualified individuals pursuing a seven-year combined Baccalaureate/DMD degree (three years college undergraduate plus four years DMD; Hegis Code 63). The School has nine individual CAGS programs, Hegis Code 71 or 72 depending on program type: Advanced Education in General Dentistry, Dental Public Health, Endodontics, Operative and Esthetic Dentistry, Oral and Maxillofacial Surgery, Orthodontics and Dentofacial Orthopedics, Pediatric Dentistry, Periodontology, and Prosthodontics. The Hegis Codes for the graduate research programs are: MSD (code 41), DSc (code 61), DScD (code 81) and PhD (code 85). Except for the PhD degree, all other graduate research degrees are administered and awarded by the School. The PhD program is administered by the School of Medicine's Division of Graduate Medical Sciences (GMS).

**II. Student Learning Outcomes for Graduate Degree Research Students
(Master's & Doctorate programs: MSD, DSc/DScD, PhD)**

The learning outcomes for the graduate research programs are not governed by the American Dental Association's Commission on Dental Accreditation (CODA). Rather, these have been established by the individual departments for the MSD and DSc/DScD degree programs. At the Master's level, the terminal degree is almost exclusively the Master of Science in Dentistry (MSD) in one of several clinical disciplines. There is also a separate Master of Science in Dentistry (MSD) in Oral Biology that had been established a number of years ago as a separate track. There is a similar administrative arrangement at the Doctorate level, where the terminal degree is almost exclusively the Doctor of Science in Dentistry (DScD) in one of several clinical disciplines. There is also a separate Doctor of Science (DSc) in Oral Biology that, again, had been established as a separate track. The learning outcomes for the PhD in Oral Biology program have been established by the Division of Graduate Medical Sciences (GMS) in the School of Medicine, which has administrative oversight and governance for this specific program. Beginning with the 2013-2014 academic year, the PhD program was administratively reassigned under

the GSDM Department of Molecular & Cell Biology, and incorporated into the GMS Program in Biological Sciences (PiBS).

College/School Contact and Title: **Dr. Cataldo W. Leone, Associate Dean for Academic Affairs,** cleone@bu.edu.

Program: **Doctor of Science in Dentistry (DScD) [Graduate Professional Research]**

Program Contact and Title:

- **DScD in Dental Public Health (DPH); Dr. Woosung Sohn,** woosung@bu.edu.
- **DScD in Endodontics (ENDO); Dr. Sami Chogle,** schogle@bu.edu.
- **DScD in Postgraduate Operative & Esthetic Dentistry (PGOE); Dr. John Ictech-Cassis,** jcassis@bu.edu.
- **DScD in Oral & Maxillofacial Surgery (OMS); Dr. Andrew Salama,** asalama@bu.edu.
- **DScD in Orthodontics & Craniofacial Orthopedics (ORTHO); Dr. Leslie Will,** willa@bu.edu.
- **DScD in Pediatric Dentistry (PEDO); Dr. Wendy Cheney,** wrencheny@bu.edu.
- **DScD in Periodontology (PERIO); Dr. Serge Dibart,** sdibart@bu.edu.
- **DScD in Prosthodontics (PROS); Dr. Dan Nathanson,** dnathan@bu.edu.

Doctor of Science (DSc) [“Traditional” Graduate Research]

- **DSc in Oral Biology (OB); Dr. Philip Trackman,** trackman@bu.edu.

DOCTOR OF SCIENCE (DSc) & DOCTOR OF SCIENCE IN DENTISTRY (DScD):

- **Learning Goal/Objective #1:** Students will gain strong scientific background and knowledge of the dental sciences, oral biology and/or related biomedical sciences, as applicable to their discipline or field of inquiry, through coursework and seminars.
- **Learning Goal/Objective #2:** Students will participate in and gain an understanding of approaches to design and implement experimental strategies to answer fundamental questions in their discipline or field of inquiry.
- **Learning Goal/Objective #3:** Students will learn how to present objectives, experimental design, and results of scientific inquiry both orally and in writing.
- **Learning Goal/Objective #4:** Students will participate in and contribute to research projects which result in new knowledge that advances their discipline or field of inquiry, as seen ultimately in publications stemming from their Dissertation.