

2025 Integrated Interdisciplinary Health Care Graduate Program in English for overseas Ph. D. Students

(令和7年度 大学院口腔科学研究科 統合医療学際教育英語プログラム)

Course Title: Biomedical Engineering (生体医工学)

Graduate School in Charge: Oral Sciences (口腔科学研究科)

Lecture Room: School of Dentistry, Lecture room101 (歯学部棟 101講義室)

Class Time: Wednesday, 16:30 – 18:00 (水曜16:30～18:00)

#	Date	Contents	Department: Lecturer	Notice
1	4/16	Introduction of Biomedical Engineering	Biomaterials and Bioengineering: Kenichi Hamada	On-Demand
2	4/23	Introduction for clinical field of artificial organs	Biomaterials and Bioengineering: Kazumitsu SEKINE	
3	4/30	Relationship between engineering and artificial organs	Biomaterials and Bioengineering: Kazumitsu SEKINE	
4	5/7	Basic Research of Stem Cells and Bioengineering	Oral bioscience: Keiko Miyoshi	
5	5/14	Digital transformation in Orthodontics	Orthodontics and Dentofacial Orthopedics: Keiichiro Watanabe	
6	5/21	Basic Research of Stem Cells and Bioengineering	Oral bioscience: Keiko Miyoshi	
7	5/28	Digital transformation for Minimum Intervention Dentistry	Orthodontics and Dentofacial Orthopedics: Keiichiro Watanabe	
8	6/4	Clinical Application of Tissue Engineering Technology 1	Stomatognathic Function and Occlusal Reconstruction: Masamitsu Oshima	
9	6/11	Clinical Application of Tissue Engineering Technology 2	Stomatognathic Function and Occlusal Reconstruction: Masamitsu Oshima	
10	6/18	Tooth wear	Stomatognathic Function and Occlusal Reconstruction: Yoshitaka Suzuki	
11	6/25	Digital transformation of prosthetic dentistry	Stomatognathic Function and Occlusal Reconstruction: Yoshitaka Suzuki	
12	7/2	Bio-medical imaging technologies in advanced minimally intervention dentistry #1	Regenerative Dental Medicine: Keiichi Hosaka	
13	7/9	Bio-medical imaging technologies in advanced minimally intervention dentistry #2	Regenerative Dental Medicine: Keiichi Hosaka	
14	7/16	Imaging Artifact in X-ray CT and MRI	Biomaterials and Bioengineering: Emi Takegawa	On-Demand
15	7/23	Bone Substitute Materials for Dental Implant Surgery	Oral Surgery: Naoyuki Fukuda	