

Sustainability in Dental Practice

DPH 199

TERM Winter 2017

LOCATION N-721

INSTRUCTORS Brittany Zhang & Daniel Ta

DIRECTOR Stefan Habelitz, PhD

DESCRIPTION Climate change and sustainability have been increasingly important topics in science, especially in health. Dentistry's interprofessional involvement has grown in recent years, but these topics are rarely discussed in practice. This course is aimed at introducing the concept of climate change and sustainability into the realm of dentistry and bridging the gap between dentistry and health.

- OBJECTIVES**
- Define the concept of climate change.
 - Understand the intricate relationship between climate change and health.
 - Demonstrate a comprehensive perspective on the role that sustainability plays on economic and environmental issues.
 - Differentiate evidence-based climate science from unsubstantiated claims.
 - Understand the effects dental materials have on the environment.
 - Successfully integrate sustainability management strategies in a dental setting.
 - Be familiar with current sustainability initiatives at UCSF and beyond.

REQUIREMENTS Be an enrolled student at University of California, San Francisco School of Dentistry.

MATERIALS NEEDED Computer with internet access. All learning materials will be provided to the students through e-mail and the Collaborative Learning Environment (CLE).

GRADING CRITERIA In order to receive a passing grade in this course, the student must complete and pre- and post- sustainability survey, attend 80% of the course meetings, and participate in at least one scientific paper discussion.

Sustainability in Dental Practice

DPH 199

TERM Winter 2017

LOCATION N-721

INSTRUCTORS Brittany Zhang & Daniel Ta

DIRECTOR Stefan Habelitz, PhD

MILESTONES

- JAN 9** Course introduction *Brittany Zhang and Daniel Ta*
- JAN 16** Reading assignment #1: <https://intelligence.org/files/CognitiveBiases.pdf>
- JAN 23** Dental Amalgam Safety *Michael Bates, PhD*
- JAN 30** Growing Healthcare Costs and Climate Change *Gina Solomon, MD, MPH*
- FEB 6** Impacts of Antibiotics Use and Misuse *Katherine Gruenburg, PharmD, BCPS*
- FEB 13** Realistic Approach to Establishing a Sustainable Dental Practice *Devon Smith, DDS*
- FEB 20** Reading assignment #2: <https://www.ncbi.nlm.nih.gov/pubmed/26794110>
- FEB 27** Discussion #1: Cognitive Bias
- MAR 3** Discussion #2: Dental Clinical Waste
- MAR 13** School Initiatives, Future Endeavors, Final Remarks *Brittany Zhang and Daniel Ta*