

# SCIENTIFIC METHODS (SCIMETHODS)

## SCIMETHODS 117 Foundations of Scientific Inquiry (2 Units)

*Instructor(s):* Benjamin Chaffee

*Prerequisite(s):* None

*Restrictions:* none

Contemporary dental care is provided in a way that is evidence-based. This course provides a foundation for the scientific method as well as searching for, reading, and critically appraising literature. These skills will help you determine if and when devices, drugs, or techniques should be applied to your specific patients care. You will also learn about clinical and translational research methods and design, levels of evidence, and quality of evidence.

**School:** Dentistry

**Department:** Preventive And Restorative Dental Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## SCIMETHODS 118 Professional and Community Oral Health Issues (2.5 Units)

*Instructor(s):* Lisa Berens

*Prerequisite(s):* none

*Restrictions:* D1

In this course, students will learn about dental public health, oral health surveillance, oral health disparities, social determinants of health, and preventive dentistry in a theoretical, practical, and personal manner. Students will also hear personal stories about substance abuse among health professionals, and how to get help.

**School:** Dentistry

**Department:** Preventive And Restorative Dental Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No

**Repeat course for credit?** No

## SCIMETHODS 223A Integrative Biobehavioral Methods in Studying Symptoms (2 Units)

*Instructor(s):* Sandra Weiss

*Prerequisite(s):* Minimum of masters level preparation in research design and methods.

*Restrictions:* Enrollment in a PhD program or postdoctoral fellowship, or in other studies preparing the participant for a research career.

This course focuses on integrative, multi-method approaches for the use of self-report or observational measures in conjunction with genetic or neuroendocrine markers, electrophysiologic sensors, microbial sampling or other biological measures of a symptom. Participants will design biobehavioral methods to achieve a more comprehensive, multi-system understanding of a symptom or symptom clusters. Analytical strategies for synthesizing two or more measures of a symptom will also be addressed.

**School:** Nursing

**Department:** Community Health Care Systems

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** Yes

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** Yes