

**Course title** Oral epidemiology

**Department** Department of Endodontics and Restorative Dentistry

**Address** Gundulićeva 5, Zagreb

**Total ECTS points** 4

**Course leader** Professor Silvana Jukić Krmek

**Course associates**

Professor Stjepan Špalj, Assistant Professor Lea Vuletić

**Teaching plan**

	No. classes
Lecture	5
Seminar	5
Practical	10
Total	20

1 class = 45 minutes

**Course description**

Oral epidemiology studies the distribution and determinants of health conditions or events in specific populations and the application of the results of studies to prevent and control of health problems. During the course, PhD students will be introduced to the concepts of oral epidemiology, public health, indicators of health, disease and quality of life, and epidemiological research methods.

**Learning outcomes**

1. estimate the minimum sample size
2. critically evaluate the justification of the sampling method
3. rank the scientific strength of epidemiological research
4. argue the choice of epidemiological method

**Course content**

Lecture

	Lecture topics	Number of classes/hours
1.	Principles of oral epidemiology	1
2.	Measurements in oral epidemiology	1
3.	Descriptive epidemiological methods	1
4.	Hypotheses testing in analytical research design	1
5.	Experimental research design	1

1 sat = 45 minuta

Seminari

	Seminar topics	Number of classes/hours
1.	Analysis of epidemiological studies	5
2.	-	-
3.	-	-
4.	-	-
5.	-	-

1 sat = 45 minuta

Vježbe

	practicals topics	Number of classes/hours
1.	Population, sample and sampling methods	3
2.	Sample size calculation	3
3.	Detection of epidemiological research designs	3
4.	Assessment and calculation of oral health and disease indicators	1
5.	-	-

1 class = 45 minutes

**Literature**

1. Chattopadhyay A. Oral health epidemiology: principles and practice. Burlington: Jones and Bartlett Learning; 2011.
2. Oral health surveys - basis methods. 5th ed. Geneva: WHO; 2013.
3. Burt BA, Ekland SA. Dentistry, dental practice, and the community. 7th ed. St. Louis: Elsevier Saunders; 2020.
4. Pine C, Harris R. Community oral health. 2nd ed. Berlin: Quintessenz; 2007.
5. Špalj S. Oralna epidemiologija. Rijeka: Medicinski fakultet; 2015. [in Croatian]
6. Selimović Dragaš M, editor. Javno oralno zdravstvo. Sarajevo: Stomatološki fakultet; 2020. [in Bosnian]

**CV (*curriculum vitae*) and bibliography of course leader**

Professor **Silvana Jukić Krmek**