

**Course title: Research Integrity in Dental Medicine**

**Department : /**

**Address : /**

**Total ECTS points: 4**

**Course leader : Assoc Prof Ksenija Bazdaric, PhD**

**Course associates : /**

**Teaching plan**

	<b>No. classes</b>
<b>Lecture</b>	10
<b>Seminar</b>	10
<b>Practical</b>	0
<b>Total</b>	20

1 class = 45 minutes

**Course description**

Research integrity in dental medicine aims at all students interested in the ethical aspects of research and publication of scientific papers, and will in an interesting and original way provide the opportunity to get acquainted with the principles of research integrity in dental medicine. The main aim of the course is to explain the principles of research integrity as well as to help them with the preparation for publication from the aspect of publication ethics. The treats of scientific misconduct in dental and biomedical science and their consequences will be covered.

The course consists of 10 hours of lectures and 10 hours of seminars.

The course will cover four major topics: 1) Good research practice 2) Major misconduct (fabrication, falsification, plagiarism) 3) Minor misconduct - Other violations 4) Publication ethics. Seminars will enable individual and group work of students on case studies, video materials and conducted discussions through different forms and techniques (games, discussions, video materials, etc.)

The course will have a hybrid design, part of the course will be held through a Merlin eLearning system (<https://moodle.srce.hr/2018-2019/my/>), which will make things easier for PhD students due to their extracurricular responsibilities.

Note: The course can be held entirely online.

### Learning outcomes

1. Explain the principles of good research practice in dental medicine and the types of scientific misconduct
  2. Explain the detection and prevention of unethical practices in research and publishing in dental medicine
  3. Write an original seminar paper
  4. to categorize and analyze ethical and unethical practices in scientific research and publication of scientific papers in dental medicine
  5. to explain why the principles of research integrity should be adhered in dental medicine and publication on examples

### Course content

#### Lecture

	<b>Lecture topics</b>	<b>Number of classes/hours</b>
<b>1.</b>	-Good research practice	2
<b>2.</b>	Major misconduct	3
<b>3.</b>	Minor misconduct	3
<b>4.</b>	Research Integrity in publication in the journal publication	2

1 sat = 45 minuta

#### Seminari

	<b>Seminar topics</b>	<b>Number of classes/hours</b>
<b>1.</b>	Good research practice	2
<b>2.</b>	Major and minor misconduct	2
<b>3.</b>	Research Integrity in publication in the journal publication	2
<b>4.</b>	Presentation of seminars	4

1 sat = 45 minuta

## Literature

### Required

1. Baždarić K. Znanstvenoistraživačka čestitost u objavljivanju znanstvenih časopisa. U: Hebrang Grgić i. (ur). Hrvatski znanstveni časopisi. Zagreb: Školska knjiga, 2015, str.129-147. (HRV)
2. Katavić V. Odgovorna provedba istraživanja. U: Marušić M i sur. Uvod u znanstveni rad u medicini, 5. izdanje. Zagreb: Medicinska naklada,2013.str. 246-257. (HRV)
3. Baždarić K. Plagiarism detection - quality management tool for all scientific journals. Croat Med J. 2012;53(1):1-3.
4. Baždarić K. Patchwork plagiarism. European Science Editing. 2013;39(2):32-33.
5. Battisti WP, Wager E, Baltzer L, Bridges D, Cairns A, Carswell CI, et al. Good Publication Practice for Communicating Company-Sponsored Medical Research: GPP3. Ann Intern Med. 2015;163:461-464; doi:10.7326/M15-0288

### Elective:

1. Baždarić K, Pupovac V, Bilić-Zulle L, Petrovečki M. Plagiranje kao povreda znanstvene i akademske čestitosti. Medicina Fluminensis. 2009;45:1-20. Dostupno na: file:///C:/Users/Bazdarick/Downloads/Plagiranje\_kao\_povreda\_znanstvene\_i\_akademske\_cestitosti.pdf
2. Baždarić K, Bilić-Zulle L, Brumini G, Petrovečki M. Prevalence of Plagiarism in Recent Submissions to the Croatian Medical Journal. Sci Eng Ethics. 2012; 18 (2): 223-9. DOI:10.1007/s11948-011-9347-2.
1. European Code of Conduct for Research Integrity. Available at: [http://www.esf.org/fileadmin/Public\\_documents/Publications/Code\\_Conduct\\_ResearchIntegrity.pdf](http://www.esf.org/fileadmin/Public_documents/Publications/Code_Conduct_ResearchIntegrity.pdf)
3. Bilić-Zulle L. Znanstvena čestitost – temelj postojanja i razvoja znanosti. Biochemia Medica 2007;17(2):143-50. Dostupno na: <http://www.biochemia-medica.com/content/znanstvena-%C4%8Destitost-%E2%80%93-temelj-postojanja-i-razvoja-znanosti>
4. Barić H, Baždarić K, Glasnović A, Gajović S. Why scholarly publishing might be a bubble. Croat Med J. 2017;58(1):1–3.

**CV (curriculum vitae) and bibliography of course leader:**  
[http://mi.medri.uniri.hr/cv/KB\\_cv.pdf](http://mi.medri.uniri.hr/cv/KB_cv.pdf)

Bibliography: <https://orcid.org/0000-0002-2977-3686>