

<b>GENERAL INFORMATION</b>		
Course	<b>My First Scientific Work</b>	
Course coordinator	<b>Assoc. Prof. Suzana Mimica, MD, PhD</b>	
Assistant/Associate		
Study Programme	<b>Integrated undergraduate and graduate university study of Medicine in German language</b>	
Status of the course	Elective	
Year of study, semester	2nd year, 4th semester	
Grading scale and workload	ECTS	<b>1</b>
	Hours (L+S+E)	<b>15 (5+10+0)</b>
<b>COURSE DESCRIPTION</b>		
<b>Course objectives</b>		
<ul style="list-style-type: none"> <li>- Informing students of the types of scientific research</li> <li>- Acquiring knowledge and skills about collecting scientific information in medicine</li> <li>- Acquiring basic knowledge about writing a scientific article</li> <li>- Acquisition of basic knowledge about the presentation of data and results of scientific work</li> <li>- Planning and conducting a scientific work</li> </ul>		
<b>Enrolment requirements and entry competencies</b>		
No requirements.		
<b>Learning outcomes at the Programme level</b>		
<b>2.1., 2.2., 2.3., 3.4., 3.5., 4.1.</b>		
<b>Learning outcomes (5-10)</b>		
<p>After passing the exam, the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Explain the types of scientific research.</li> <li>2. Explain the procedures composing scientific work.</li> <li>3. Explain the methods of data collection.</li> <li>4. Present the results of the scientific work in writing. Write an abstract of a scientific article.</li> <li>5. Compare types of graphical representation of data processing results</li> <li>6. Correlate the obtained results with prior knowledge</li> <li>7. Appraise and cite relevant published literature.</li> <li>8. Recognize the limits of scientific work.</li> <li>9. Understand the concept of authorship of a scientific work.</li> <li>10. Write their own scientific article, create a poster, use Microsoft Powerpoint to create a presentation of a scientific paper.</li> </ol>		

### Course content

Types of scientific research. Characteristics of medical research. Preparations for scientific research. Choice of a research topic. Collection of own data and data processing. Literature search and citation. Presentation of the data (tabular and graphical). Composition of the scientific article. Writing a scientific paper. SRP procedure (Submission, Review, Publishing). Writing a research summary. Oral presentation.

<b>Mode of teaching</b>	<input checked="" type="checkbox"/> lectures	<input checked="" type="checkbox"/> independent tasks
	<input checked="" type="checkbox"/> seminars and workshops	<input checked="" type="checkbox"/> multimedia and network
	<input type="checkbox"/> exercises	<input type="checkbox"/> laboratory
	<input type="checkbox"/> distance education	<input type="checkbox"/> mentoring work
	<input type="checkbox"/> field teaching	<input type="checkbox"/> other

### Student obligations

Students are expected to attend all class sessions, as well as to take all the examinations. However, they are allowed for excused absences, totalling 30% of all classes. It is obligatory to complete all tasks of the module, to write a scientific article and to present it as a Powerpoint presentation.

### Monitoring student work

Attending classes	x	Class activity		Seminar work		Experimental work	
Written exam	x	Oral exam		Essay		Research	
Project		Continuous knowledge verification		Paper		Practical work	x
Portfolio							

### Grading and evaluation of student work during classes and of the final examination

Teaching activity	ECTS	Learning outcome	Student activity	Assessment methods	Grade points	
					Min.	Max.
Attending classes	0.2	1-9	Attending classes	Taking records	10	20
Written exam	0.3	1-9	Learning for the exam	Written exam	15	30
Practical work	0.5	1-10	Literature search, writing a scientific article, Powerpoint presentation	Evaluation of the scientific article and Powerpoint presentation	25	50
<b>Total</b>	<b>1</b>				<b>50</b>	<b>100</b>

#### Calculation of final grade:

Based on the total sum of the points awarded during the course and the final exam, the final grade is determined according to the following distribution:

A – excellent (5): 80-100 grade points; B – very good (4): 70-79,99 grade points; C – good

(3): 60-69,99 grade points; D – sufficient (2): 50-59,99 grade points.

**Required reading**

1. Ritschl V, Weigl R, Stamm T. Wissenschaftliches Arbeiten und Schreiben. Springer:1. Aufl. 2016)

**Additional reading**

**Number of copies of required literature in relation to the number of students currently attending classes in the course**

Title	Number of copies	Number of students
Ritschl V, Weigl R, Stamm T. Wissenschaftliches Arbeiten und Schreiben. Springer:1. Aufl. 2016)	20	60

**Course evaluation procedures**

Anonymous, quantitative, standardized student survey providing feedback on the course as well as on the work of course coordinators and their assistants/associates is being conducted by the QA Office of the Faculty of medicine Osijek.