

Study Program: Biology			
Type and level of studies: Bachelor studies			
Course name: Research paper writing methodology			
Lecturer: Vasić S. Predrag			
Status: Compulsory			
ECTS: 7			
Attendance Prerequisites:			
Course aims Enabling students to independently present research results, write research projects as well as estimate and evaluate their own and others' research.			
Course outcome The students are able to present and publish scientific information. They are capable of independent scientific research work.			
Course content <i>Theoretical part</i> Introduction – the importance of scientific work. Characteristics of a scientific paper. General and specific research methods. Training of research workers. Stages of scientific research. Selecting a field of research and choosing a topic. Scientific informatics. A review of existing literature. Working hypothesis. The aim of the paper. Data collection strategy. Planning and conducting experiments. Pilot study. Data analysis and data processing. Graphic illustration and classification. Tables and illustrations. Presentation of scientific results. The structure of a research paper. Writing a research paper. Oral presentation and poster presentation. Biography. Types of professional and scientific research papers. Evaluation of a research paper. Evaluation of research results. Logical fallacies: general and specific. Scientific critique and ethics. <i>Practical part</i> Techniques for collecting, organising and studying literature. Forming of statistical series and group classes. Calculation central tendency measures. Calculating measures of variation. Testing the significance of discrepancies in the mean values of small and large independent samples. Designing tables and illustration. Seminary work. Writing introductions, materials and methods, results, discussions. Slide design.			
Literature 1. Боројевић С.: Методологија експерименталног научног рада, Раднички Универзитет “Радивој Ћирпанов“, Нови Сад, 1978. 2. Савић Ј. Ђ.: Како написати, објавити и вредновати научно дело у биомедицини, (3 издање), Београд, Култура, 2001. 3. Миланков, В., Јакшић, П., Методологија научноистраживачког рада у биолошким дисциплинама (учбеник), ПМФ, Нови Сад, 2006. 4. Миланков, В., Лудошки, Ј., Практикум из методологије научноистраживачког рада, ПМФ, Нови Сад, 2006. 5. Еко, У., Како се пише дипломски рад, Народна књига / Алфа, Београд, 2000.			
Number of active classes			Other classes:
Lectures: 2	Practical classes: 1	Other forms of teaching: 0	
Teaching methods Lectures, laboratory exercises.			
Assessment (maximum 100 points)			
Course assignments	points	Final exam	points
activity during lectures	10	written exam	
practical classes	10	oral exam	60
Term test/s	20		
Total	40		60