

Name of the subject RESEARCH METHODOLOGY		
Teacher(s): Dr. Vesna Milankov		
Status of the subject: Elective		
Number of ECTS points: 15		
Condition: -		
Goal The course aims at enabling students for presenting research results, writing research articles and a PhD thesis and evaluating the scientific research.		
Outcome of the subject Competent presentation and publication of scientific information. Research competence.		
Content of the subject <i>Theoretical lectures</i> Modern methods of collecting information and processing and analyzing research data in biological disciplines. Methods and techniques of researching and presenting results. Writing and presenting a doctoral thesis and a research article. Preparing manuscripts for publication – from manuscript writing to publishing. Digital data and e-publications. Forms of scientific publications. Scientometrics. Ranking research publications. Reviewing articles. Evaluation of researchers and publications. Ethics in science – The codex of good scientific practice. Abuses of science. Logic errors. General and subject-specific scientific methods. Analysis of relevant scientific publications.		
Recommended literature Briscoe, M.H. (1996) Preparing scientific illustrations. 2 nd ed. Springer-Verlag, New York. Ebel, H.F., Bliefert, C., Russez, W.E. (2004) The art of scientific writing. Wiley-VCH Verlag GmbH & Co. KGaA. Milankov, V. & Jakšić P. (2007) Методологија научноистраживачког рада у биолошким дисциплинама. ПМФ. (уџбеник) [Research methodology in biological disciplines.Faculty of Sciences.textbook]		
Number of active classes	Theory: 5	Practice: 5
Methods of delivering lectures Oral and database searching in computer lab.		
Evaluation of knowledge (maximum number of points 100) Pre-exam obligations: 30 Oral exam: 70		