Name of the subject: BIOLOGY OF AQUATIC VASCULAR PLANTS
Teacher(s): Dr. Dragana Vukov
Status of the subject: Elective
Number of ECTS points: 15
Condition: -
Goal of the subject
To acquire knowledge on different aspects of comparative biology of freshwater and marine vascular
plants.
Outcome of the subject
Setting the foundation for individual research.
Content of the subject
Theoretical lectures
Features of aquatic vascular plants. Features of the aquatic environment. Structure and physiology of
emergent leaves. Structure and physiology of floating leaves. Structure and physiology of submerged
organs. Structure and physiology of underground organs. Free-floating forms. Polymorphic vegetative
organs and heterophylly. Sexual reproduction. Vegetative reproduction and perennation. Some aspects of
the geography of aquatic vascular plants. The growth of hydrophyte communities and their interaction
with the aquatic environment. The problem of aquatic weeds. The control of aquatic weeds. The aesthetic
and economic value of aquatic vascular plants.
Practical lectures - research
1. Current trends in research of aquatic vascular plants
2. Designing of the research project and planning of the experiment
3. Research/experiment
4. Analyses of the results
5. Preparation of the seminar paper
Recommended literature
SCULTHORPE, D.C. (1967): The Biology of Aquatic Vascular Plants. Edvard Arnold (Publishers) Ltd.
London.
HUTCHINSON, G. E. (1975): A treatise on limnology, v. 3. Limnological botany. John Wiley & Sons,
New York, London, Sydney, and Toronto.
COOK, C.D.K. (1991): Aquatic Plant Book. SPB Academic Publishing, The Hague, The Netherlands.
Number of active classesTheory: 5Practice: 5
Methods of delivering lectures
Lectures/consultations, field-work, work in the laboratory.
Evaluation of knowledge (maximum number of points 100)
Oral exam: 50
Seminar paper: 30
Presentation of the seminar paper: 20