**AQ 399: Research Project 3 units)**

***Objective***: At the end of the course a student should be able to prepare, conduct and write a scientific report.

***Synopsis:*** Research project preparation: title selection, develop clear research question/s, proposal development and presentation. Data collection. Data analysis (application of descriptive and inferential statistics), prove or disapprove hypothesis. Presentation of research findings. Project report writing.

***Delivery***: A laboratory or field study on a problem in a selected field of aquatic science leading to the production of a scientific report.

***Assessment***: Coursework 40% (proposal preparation 20%; presentation of research findings 20%); Final report 60%.

***References:***

1. Bailey, N.T. 1981. Statistical Methods in Biology. 2nd Edition. Edwarld Arnold, London.
2. Kothari, C.R. 1997. Research Methodology. Methods and Techniques. 2nd Edition. Wishwa Prakashan Publishers.
3. Scheiner, S.M. and Gurevitch, J.. 1993. Design and analysis of ecological experiments. Chapman and Hall, New York. 445 pp.
4. Sokal, R.R. and Rohlf, J.F. 1995. Biometry. The principles and practice of statistics in Biological research. 3rd Edition. W.H. Freeman and Company. New York. 887 pp.
5. Zar, J.H. 1984. Biostatistical analysis. 2nd Edition. Prentice-Hall International Inc. 718 pp.