



PhD Programme COURSE (*Curriculum EMI*)

AA 2017/2018

January 15 - 19, 2018

Dr. Iacopo Bertocci
Stazione Zoologica Anton Dohrn

will give a course on
“Experimental Design and Marine Sampling”

COURSE TOPICS

- 1) The nature of Ecology
- 2) The importance of logic in designing ecological studies: the hypothetic-deductive approach
- 3) The basics of experimental design: variables, parameters and frequency distributions; representative sampling; fixed vs. random factors; nested and orthogonal designs; confounded experiments
- 4) The basics of a common procedure for the statistical analysis of data: analysis of variance (ANOVA)
- 5) The interpretation of ecological results, with special focus on data from the practical field exercise
- 6) Discussion on planning-related issues concerning the students' own ongoing/planned research

TIME SCHEDULE

Monday	15/01	h 09.00 -13.00
Tuesday	16/01	h 14.00 -18.00
Wednesday	17/01,	h 14.30 -18.30
Thursday	18/01	h 09.00 -13.00
Friday	19/01	h 09.00 -13.00

The course includes one day fieldwork (this activity only for PhD Students)

Conference room Stazione Zoologica Anton Dohrn

Scientists interested in the course are invited to participate

For information please contact:

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