**COURSE in: Experimental methods, design and analysis.**

**Preliminary programme**

**Goal:** The course focus on design of factorial experiments, and use and interpretation of inferential statistics (ANOVA) to evaluate such experiments. Furthermore, we will discuss the use of effect-analysis in such designs and the relationship between ANOVA and regression-analysis. Finally, there will be a practical hands-on introduction to the software STATISTICA, ie manipulation of variables, descriptive analysis, factorial ANOVA designs, general linear models with repeated measures and visual representation of the results within STATISTICA.

**Organization:** The course is based on lectures and on own activity. Relevant documents and information will be published electronically on the IGSIN learning site. ([http://watson.uib.no/](http://watson.uib.no/)).

**Credits:** 2 ECTs., based on analysis on own or given data.

**Suggested litterature** ie. :

**Teachers:** Kenneth Hugdahl, Rene Westerhausen, Finn Jellestad.

**Time:** April 28-30, 2008

**Place:** ABMP, BB-Building 9th floor

**Application and information.** These are sent to Vivian Fosse Vivian.Fosse@psybp.uib.no.

**Deadline for application is April 14.**