Intensive training @ Maejo University

Topic: Genstat and ASreml workshop

Date: September, 19, 2016 **Time:** 8.30 am. - 4 pm.

Place: Information Technology Center, Maejo University

Contact person: Dr. Nissara Kitcharoen

Audience from

1. Faculty of Fisheries Technology and Aquatic Resources

2. Faculty of Animal Science and Technology

3. Faculty of Science

Course Content:

- **Basic Statistics with Genstat® and ASreml®**
    - Summary statistics and graphics
    - One and Two-sample inferences
    - One-way ANOVA
    - Goodness of fit test
    - Regression

- **Advanced statistical designs and analysis with Genstat® and ASreml®**
    - Block experiment w/wo missing data
    - Incomplete block experiment and α-design
    - Mixed Model and BLUP
    - BLUP with pedigree
    - Multivariate BLUP w/wo pedigree
    - Animal Model and EBV

- All topics will be introduced using Case studies

Course Structure:

- One-day workshop
    - **First half day**: Introduction and Demo using GenStat and R (including ASReml-R)
    - **Second half day**: Computer practice