

Intensive training @ Mahidol University

Topic: Genstat and ASreml workshop

Date: September 1, 2016 **Time:** 8.30 am. - 4 pm.

Place: Faculty of Environment and Resource Studies, Mahidol University

Contact person: K.Sirinapatt Charmondusic

Audience from

1. Faculty of Environment and Resource Studies
2. Faculty of Engineering
3. Institute of Molecular Biosciences (MB)
4. Faculty of Medicine
5. ASEAN Institute for Health Development

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