

## **Intensive training @Kasetsart (Kamphaengsaen)**

**Topic:** Genstat and ASreml workshop

**Date:** December 21, 2016 **Time:** 8.30 am. - 4 pm.

**Place:** Faculty of Agriculture, Kasetsart University (Kamphaengsaen)

**Contact person:** K.Theerasak Suntara

### **Audience from**

1. Faculty of Agriculture
2. Faculty of Fisheries

### **Course Content:**

#### **1: Basic statistics with Genstat showing functionalities**

- Commonly used Summary Statistics

#### **2: Analysis of Variance with Genstat**

- T-test (one-and two-sample)
- ANOVA (one-and two-way)

#### **3: Regression with Genstat**

#### **4: Chi-square test with Genstat**

#### **5: Mixed Models in Animal Breeding with Genstat and ASreml-R**

- ASreml-R: Sire, Sire-Dam Model
- ASreml-R: Animal Model with additive effect and ABLUP

#### **6: Introduction to GBLUP with ASreml-R**

- ASreml-R: Calculation of GBLUP

### **Course Structure:**

- One-day workshop: Introduction and Demo and Computer practice