COURSE SYLLABUS
1ˢᵗ Semester of Academic Year 2017

1. **Responsible Unit**   KU Integrated General Education Center

2. **Course code** 01999211   **Course title** Mathematics and Computer in Everyday Life
   Total credits 3(2-1-5)
   Prerequisite (course code and title) -none-
   Section Lecture 450   Wednesday   4 – 6 pm.   Room no. LH4-402
   Section Lab 450   Thursday   4 – 6 pm.   Room no. Office of Computer Service 407

3. **Lecturers:**
   3.1 Dr.Tanin Kongsila   Faculty of Agriculture, KU
   3.2 Dr.Saowapa Chaipitak   Faculty of Sciences, KU
   3.3 Asst.Prof. Kanchana Patthananurak   Faculty of Fisheries, KU
   3.4 Dr. Raksak Sermsak   Faculty of Agriculture, KU
   3.5 Assoc.Prof. Dr. Weerakaset Suanpaga   Faculty of Engineering, KU

4. **Office hours for students' consultation**
   4.1 Ajarn Dr.Tanin Kongsila, Department of Agricultural Extension and Communication, Faculty of Agriculture, KU
      Telephone. 0 25791025 ext. 111   **E-mail address:** Tanin.k@ku.ac.th

5. **Course Objective**
   5.1 To provide the students can use mathematics, statistics and computer to apply in everyday life and
   5.2 To provide the students have skill in data presentation

6. **Course Description**
         Application on mathematics, statistics and computer programs to natural resources and social economic, data acquisition, data interpretation by simplified mathematical models and the application of computer programs on calculation and data presentation.

7. **Course Outline**
   7.1 Lecture   **7.2 laboratory**
      1) Mathematics and statistic apply to in   1) Program computer for create document
   resources   2) Program computer for create presentation
      2) Simplified mathematical models   3) Program computer for create Spreadsheets
      3) Statistics and data interpretation   4) Photo editing and graphic design
      4) Model and data presentation for   5) WEB creating
   mathematical and statistics   6) Natural resource surveying by Google earth

8. **Student-centered Teaching Methods**
         Lecture, co-operative learning, independent study, presentation, learning Through fundamental research and analytical process.

9. **Teaching Aids/Materials**

   Hand-outs, slides, PowerPoint presentation, video-audio materials.

10. **Measures of Achievement**

10.1 Mid-term examination	20	
10.2 Final examination	25	
10.3 Homework in class lecture	25	
10.4 Homework in class lab	30	
Total	100	

11. **Grading**

   Based on norm-referenced.

12. **Textbook and Readings**

   12.1 KU Integrated General Education Center. Mathematics and Computer in Everyday Life.

   12.2 Hand-outs, slides, PowerPoint presentation

   12.3 http://www.pirun.ku.ac.th/~agrtnk/999211

13. **Class Schedule (Lecture)** 01999211 Mathematics and Computer in Everyday Life

   Section Lecture 450   Wednesday   4 – 6 pm.   Room no. LH 4-402

Week	Date	Topic	Class Activity	Lecturer
1	2–8- 2017	Introduction	Lecture	Dr.Saowapa Chaipitak
2	9-8-2017	Statistics and data interpretation (1)		
3	16-8-2017	- Descriptive Statistics		
4	23-8-2017	- Correlation and regression		
5	30-8-2017	- Experimental Design		
6	6-9-2017	Economics and SET index	Lecture	Asst.Prof. Kanchana Patthananurak
7	13-9-2017	Apply math and stat for business management (1)		
	16 - 24 Sep 2017 : Mid-semester examination			
8	27-9-2017	Economics and SET index	Lecture	Asst.Prof. Kanchana Patthananurak
9	4-10-2017			
10	11-10-2017	Simplified mathematical models (1)	Lecture	Dr. Raksak Sermsak
11	18-10-2017	- The development of mathematics		
		- Numeral system		
		- Gradient and contour Line		
12	25-10-2017	Simplified mathematical models (2)	Lecture	Assoc.Prof. Dr. Weerakaset Suanpaga
13	1-11-2017	- Transformation		
14	8-11-2017	- Linear and non- linear equation Convolution		
15	15-11-2017	Model and data presentation for mathematical and statistics	Lecture	Dr. Raksak Sermsak
	4 –15 Dec, 2017 : Final examination			

14. Class Schedule (laboratory**)**

Section Lab 450   Thursday   4 – 6 pm.   Room no. Office of Computer Service 407

Week	Topic
1	Introduction
2 - 3	1) Program computer for create document
4 - 5	2) Program computer for create presentation
6 - 8	3) Program computer for create Spreadsheets
9 - 11	4) Photo editing and graphic design
12 - 14	5) WEB creating
15	6) Natural resource surveying by Google earth

Signature...

(Ajarn Dr. Tanin Kongsila, Course Chairperson**)**

Date 1 Aug 2017