

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Applied Statistics
Course number	STAT2304
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - The knowledge of definition of sampling distribution
2 - Knowing the kinds of sampling distributions
3 - Kinds of estimations
4 - Hypothesis tests for sample means or proportion
5 - Simple linear regression and correlation
6 - Hypothesis tests involving the sample variance and two sample variances

Intended Learning Outcomes

Knowledge and Understanding	* The meaning of sampling distributions and how we use them
Intellectual Skills	* Choose between different methods of testing hypothesis
Professional Skills	* Best choice of sampling distributions for different problems
General Skill	* The difference between sampling distributions and testing hypothesis
	* The decisions and different conclusions

Course Contents

1 - Kinds of sampling distribution
2 - Testing hypothesis involving sample mean or proportion
3 - Estimation from sample data
4 - Hypothesis tests involving the two sample means and proportions
5 - Testing hypothesis for one sample variance and two sample variances
6 - Simple linear regression and correlation

Teaching and Learning Methods

1 - Lectures
2 - Solving different examples and problems
3 - Giving some homework

Teaching and Learning Methods for the Disabled Students

1 - Is not applied

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First midterm	middle of the semester	30
attendance and discussion	during the semester	5
Homework	during the semester	5
Final	at the end of the semester	60

Books and References

Course note	Written on the board
Essential books	Introduction to Business Statistics