

COURSE SYLLABUS

Title of Course : Applied Statistics for Language Education (ING 504)
Credit : 2 SKS
Academic Year : 2006/2007
Instructor : Dr. Didi Sukyadi, MA
Dr. Kardiawarman, MSc.

Course Description

This course is aimed at providing the course participants opportunities to see how statistics may inform education practitioners, theorists, and observers about how to clarify and solve problems they encounter in their day-to-day activities using research approaches in such a way that they are able to produce higher standard quality education. To achieve this goal, the course will consist of reviews of approaches to researching language with the focus of quantitative approaches. Then, the course participants will try to write a research proposal of their interest and present them in front of the class.

The instructors of this course will have different responsibilities. The writer of this syllabus (Didi Sukyadi) will deal with the logic of researching language learning and language education in Indonesia, whereas the second one (Dr. Kardiawarman) will be responsible with linguistics matters starting from basic to advanced statistics.

Objectives

This course is designed to enable the course participants to:

- 1) Be critical about education problems taking place in their daily activities as education practitioners.
- 2) Be able to formulate the problems into researchable questions.
- 3) Choose appropriate designs and statistics for the problems they encounter.
- 4) Use their research findings to solve the problems.
- 5) Report their research findings academically.

Assessment and Attendance Policy

The assessment will be based on a final assessment test, research proposal, and chapter report. The attendance required to take part in the final exam is 80%. Attendance contributes 20% to your final score, assignment 30%, classroom participation 10%, and final test 50%.

Topics of Discussion

Day and Date	Time	Topics	Sub-topics
Week 1 Saturday 18-02-2006	08.00-09.40	Approaches to researching language teaching and learning	<i>Qualitative approach:</i> 1. Ethnography 2. Case study 3. Classroom observation research
	09.40-10.00	Break	
	10.00-11.40	Approaches to researching language teaching and learning	<i>Qualitative approach:</i> 4. Introspective methods 5. Elicitation techniques 6. Interactional analysis 7. Field notes
	11.40-13.00	Break	

	13.00-14.40	Approaches to researching language teaching and learning	<i>Quantitative approaches:</i> 1. Pre-experimental designs 2. True experimental designs 3. Quasi—experimental designs 4. Ex-post-facto designs 5. Factorial designs
	14.40-15.00	Break	
	15.00-16.40	Approaches to researching language teaching and learning	<i>Quantitative approaches:</i> 1. Survey research
Week 2 Saturday,	08.00-09.40	Quantitative Approaches	Comparing two means
	09.40-10.00	Break	
	10.00-11.40	Quantitative Approaches	Comparing means
	11.40-13.00	Break	
	13.00-14.40	Quantitative Approaches	Analyzing categorical data
	14.40-15.00	Break	
	15.00-16.40	Quantitative Approaches	Correlational analysis
Week 3 Saturday,	08.00-09.40	Writing a research proposal	Constructing research questions Choosing appropriate research designs
	09.40-10.00	Break	
	10.00-11.40	Writing a research proposal	Stating and testing hypotheses Population and samples
	11.40-13.00	Break	
	13.00-14.40	Writing a research proposal	Developing research instruments Collecting data
	14.40-15.00	Break	
	15.00-16.40	Writing a research proposal	Using SPSS for data processing Report writing
Week 4 Saturday,	08.00-09.40	Proposal presentation	Student A
	09.40-10.00	Break	
	10.00-11.40	Proposal presentation	Student B
	11.40-13.00	Break	
	13.00-14.40	Proposal presentation	Student C
	14.40-15.00	Break	
	15.00-16.40	Proposal presentation	Student D

Bandung, 14 February 2006
Instructor,

Dr. Didi Sukyadi, MA