

Course Book

1. Course name	Research Methodology
2. Lecturer in charge	
3. Department/ College	
4. Contact	e-mail:mohammed.badal@su.edu.krd Tel: 009647504514031
5. Time (in hours) per week	Theory: 3
6. Office hours	As per lectures time table
7. Course code	
8. Teacher's academic profile	e.g Webpage, Blog, Moodle... or few paragraphs about not less than 100 words
9. Keywords	Objectives &Types of analytical of research,applied&fundamental research,Conceptual&Empirical research, research design,sample design.
<p>10. Course overview:</p> <p>Research in common parlance refers to a search for knowledge, Once can also <i>define</i> research as a scientific & systematic search for pertinent information on a specific topic, In fact, research is an art of scientific investigation, Research is an <i>academic activity</i> and as such the term should be used in a technical sense.</p> <p><i>According to Clifford Woody</i> research comprises defining and redefining problems, formulating hypothesis or suggested solutions; collecting, organizing and evaluating data; making deductions and reaching conclusions; and at last carefully testing the conclusions to determine whether they fit the formulating hypothesis</p>	
<p>11. Course objective:</p> <ul style="list-style-type: none"> ● To <i>gain familiarity</i> with a phenomenon or to achieve new insights into it (studies with this object in view are termed as <i>exploratory or formulative research studies</i>); ● To <i>portray accurately</i> the characteristics of a particular individual, situation or a group(studies with this object in view are known as <i>descriptive research studies</i>). ● To <i>determine the frequency</i> with which something occurs or with which it is associated with something else (studies with this object in view are known as <i>diagnostic research studies</i>); ● To <i>test a hypothesis</i> of a causal relationship between variables (such studies are known as <i>hypothesis-testing research studies</i>). 	

12. Student's obligation

- Student should attend lectures (theory part) and practicing by survey
- Student should attend exams or working in review article during the course.
- Team work projects

13. Forms of teaching

To achieve the objectives of the course, the following methods and techniques will be followed during teaching process:

1. Lecture notes will be handled to the students at the beginning of each part to facilitate easier understanding of books and also to read references.
2. Power point presentation for parts of the course as required.

14. Assessment scheme

Student must provide the following quizzes and exams during the course:

Annual Effort (50 %)		Total	
Lab Practices in review article *	Midterm Exam (Theoretical)	Theoretical	
25%	25%	50%	100%

* Quizzes and homework's are performed at the lab practices during the course.

15. Student learning outcome:

Students are expected at the end of the year will have the abilities to:

- formulating the research problem
- Determining sample design
- Collecting the data
- Execution of the project
- IMPORTANT CONCEPTS RELATING TO RESEARCH DESIGN
- Sampling Design and survey
- Application of programs in computer laboratories.

16. Course Reading List and References:

Students should read the lecture notes and the following references:

- 1. Ackoff, Russell L., The Design of Social Research, Chicago: University of Chicago Press, 1961
- . Barzun, Jacques, and Graff, Henry, F., The Modern Researcher, rev. ed., New York: Harcourt, Brace &
- Berelson, Bernard, Content Analysis in Communication Research, New York: Free Press, 1952
- Davis, G.B., "Introduction to Computers," 3rd ed., McGraw-Hill International

Book Co., 1981

- Edwards, Allen, *Statistical Methods, 2nd ed., New York: Holt, Rinehart & Winston, 1967.*
- Fox, James Harold, *Criteria of Good Research, Phi Delta Kappa, Vol. 39 (March 1958).*
- Ghosh, B.N., *Scientific Methods and Social Research, New Delhi: Sterling Publishers Pvt. Ltd., 1982.*
- 48. Gibbons, J.D., *Nonparametric Statistical Inference, Tokyo: McGraw-Hill Kogakusha Ltd., (International Student Edition), 1971.*

17. The Topics:	Lecturer's name
	Lecturer's name ----- Date -----

18. Practical Topics (If there is any)	
Research Methodology for Master degree two hour theory and one hours practice per week, means each subject after theory the student will attend the computer lab for practice, also home works or team works they will do in home.	Lecturer's name ----- 3 hrs per week Date -----

19. Examinations:

1. Compositional:

In this type of exam, the questions usually start with Explain how, what are the reasons for...? Why...? How....?

Example:

Q1/what is the different between:

a- Quantitative research and Qualitative research.

b- Conceptual research and Empirical research.

c- *Descriptive research and analytical research.*

Q2/a-listing research process guideline.

b- explain Collecting the data

Q3/what's the type of sample design, with explain.

Q4/explain the classification of measurement scales.

Q5/how you can select the title for your research and what's the abstract content? explain with example.

20. Extra notes:

- There are several research designs and the researcher must decide in advance of collection and
- analysis of data as to which design would prove to be more appropriate for his research project

21. Peer review