This is a “learning by doing” course. Students are expected to pick up one research project right from the beginning of the class to the end of the semester. Basically, the course will be divided into the following four major parts: (1) Research design, (2) Data collection, (3) Data analysis and (4) Data Interpretation/Theory Construction. To provide students with comprehensive understanding of the subject, other research related methods such as public policy analysis, environmental impact assessment as well as the application of social indicators would also be introduced as time permits. It is hoped that by the end of the semester, students would learn not only the techniques of research but more importantly the necessary logical thinking paramount to be a good researcher. The course contents can be outlined as follows:

I. Course Introduction:

1. Normative Research Vs. Empirical Research
2. Methodology Vs. Research Methods
3. Cross-Sectional Research Vs. Longitudinal Research
4. Quantitative Research Vs. Qualitative Research
5. Panel Study

II. Research Design:
1. Deciding A Research Topic
2. Variables
3. Hypothesis
4. Research Framework
   (1). Theoretical Framework
   (2). Conceptual Framework

III. Data Collection Methods:

1. Library Research
2. Secondary Data Collection Methods
3. First-hand Data Collection Methods
   (1). Participatory Observation
   (2). Field Study
   (3) In-depth Interviews
   (4) Survey
   (5) Delphi Method
   (6) Focus Group
   (7) Experimental Design
   (8) Autobiographic History etc.

IV. Survey and Sampling Techniques

V. Questionnaire Design

VI. Attitude Survey and Measurement Scales

VII. The “Set” Concept

VIII. Data Analysis Methods:

1. Descriptive Analysis
2. Inferential Analysis
3. Basic Statistical Concepts
4. Single Variable Analysis
5. Two Variables Analysis
6. Multi-Variables Analysis
   (1). Regression Analysis
   (2). Factor Analysis
   (3). Path Analysis
   (4). Content Analysis etc.

IX. Interpretation of Research Findings:

   1. General Predicaments
   2. The Construct of New Theories/Propositions

X. Other Research Related Methods:

   1. Public Policy Research
   2. EIA (Environment Impact Assessment)
   3. Social Indicators

XI. Writing Up the Research Report—Standardized Format for Different Types of Academic Reports

XII. Concluding Remarks

Course Requirements:

   1. Class Participation — 15%
   2. Mid-term Oral Presentation on the Research Project — 35%
   3. Final Report and Oral Presentation on the Research Project — 50%

The Main Text:

Other References:

台北：雙葉書廊印。
David Dooley, 1984, *Social Research Methods*, Englewood Cliffs, 
New Jersey: Prentice-Hall, Inc. 台北：師大書苑翻印本。