**Syllabus**

**Course Number:** ERMA 8200/8206

**Course Title:** Survey Research Methods

**Semester:** Summer, 2021

**Credit Hours:** 3 credit hours

**Prerequisites:** None

**Meeting Time:** Tuesday 4:00~7:50 pm

**Instructor:** Chih-hsuan Wang

4010 Haley

wangchi@auburn.edu

**Office Hour:**  make an appointment

**Date Syllabus Last Updated:** May, 2020

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**Texts:**

Dillman, D.A. (2014). *Internet, Phone, Mail, and Mixed-Mode Surveys: The Tailored Design Method (4th ed.)*. New York, NY: John Wiley & Sons. (ISBN#: 978-1118456149).

**Recommended Reading:**

American Psychology Association (2019). *Publication Manual of the American Psychological Association (7th ed.).* Washington D.C., American Psychological Association. (ISBN# 978-1433832178)

Fink, A. (Ed.) (2003). *The Survey Kit – 2nd Edition* (10 volumes). Thousand Oaks, CA: Sage Publications. (ISBN#: 978-0761925101)

# Shannon, D. M. & Davenport M. A. (2000). *Using SPSS to solve statistical problems: A self-instructional Guide*. Merrill Prentice Hall, Upper Saddle River, New Jersey. (ISBN#: 978-0132675765)

**IMPORTANT:**

* All course materials (syllabus, PPTs, lab assignments and data files, rubrics…etc.) will be available on Canvas. Please check the Canvas before each class. I am not going to provide hard copies.
* Our class will be face-to-face or online. If you are a face-to-face student, you are allowed to join us online synchronously with permission due to the Pandemic. If you are a distance student, you are strongly encouraged to join us synchronously. We have a lot of class discussion and group work this semester. Hence, join us synchronously can keep you staying on track. You can access our class Zoom room through Canvas class page.
* I will not accept the work completed by hand unless it is the only way to do it.
* Required Computer Software:

1. Microsoft Office Word.
2. PDF file creator (e.g. Adobe Acrobat).
3. Excel **or** SPSS.

* ERMA 8200/8206 is **NOT** a data analysis course. If you would like to learn more about data analysis, the ERMA program offers several data analysis courses, from basic to advanced statistics. You should be able to find some courses to fit your needs.

**Prerequisite:**

Students taking this class are expected to be able to perform the following basic skills **at the beginning** of the class:

* **Computer basic skills**: open, save, copy-paste, use track changes, make tables and create the Word and PDF documents.
* **Online learning platform basic skills**: open, download, and upload documents, review documents and video clips online, and **review instructor feedback on the Canvas. (More student resources for Canvas can be found here:** <http://wp.auburn.edu/biggio/canvas/student-help/> )

**Course Description:**

Overview of survey research, sampling issues, selection and construction of survey instruments, scaling techniques, response effects, issues influencing response rate, reliability and validity of survey data, and analysis of data.

**Course Objectives**:

Upon completion of this course, the student will be able to:

* Recognize and discuss the uses of survey research.
* Describe the advantages and limitations of different types of measurement scales.
* Recognize and apply the appropriate estimates of reliability and validity.
* Prepare a cover or informational letter which adheres to the guidelines discussed in class.
* Complete IRB CITI training.
* Discuss the advantages and limitations of different sampling procedures.
* Describe procedures used to increase response rate in survey research.
* Recognize aspects of measurement instruments which may increase response effects and suggest ways to deal with these aspects.
* Construct a measurement instrument in accordance with guidelines discussed in class and the research literature.
* Draft and construct participant recruitment and survey follow-up plans and materials.
* Conduct a pilot study using a measurement instrument developed in class.
* Determine the appropriate data analysis procedure(s) (quantitative and qualitative) given a specific set of research questions.
* Prepare a report detailing instrument development, sampling and procedures, and pilot study.

**Course Requirements:**

* Attend all class sessions and participate in class discussions and activities
* Complete all assignments
* Construct a measurement instrument and prepare a project report proposing the use of your measurement instrument

**Grading and Evaluation Procedures:**

| **Assignment** |  | **pts** |
| --- | --- | --- |
| In-class Activity |  | **5** |
| CITI Training |  | **5** |
| Informed Consent Letter |  | **5** |
| First draft of survey (for peer review) |  | **5** |
| Second draft of survey |  | **5** |
| Final survey |  | **10** |
| Online survey |  | **5** |
| Recruitment plan and materials |  | **5** |
| Follow-up plan and materials |  | **5** |
| Individual Project\* |  | **40** |
| Introduction | 5 |  |
| Method |  |  |
| Population, sampling procedure, | 5 |  |
| Instrument development, example items, scoring | 7 |  |
| Data analysis and results (based on pilot study) |  |  |
| Sample description | 5 |  |
| Validity and/or reliability | 5 |  |
| Descriptive Statistics of survey results | 5 |  |
| Discussion (self-reflection of the process of instrument and pilot study) | 5 |  |
| APA format | 3 |  |
| Final paper presentation |  | **10** |
| Total |  | **100** |

**Grading Scale:**

|  |  |
| --- | --- |
| **Grade** | **Points** |
| **A** | **90~100** |
| **B** | **80~89** |
| **C** | **70~79** |
| **D** | **60~69** |
| **F** | **<60** |

\* Rubrics for your individual final project is at the end of this syllabus.

**\*\*** You can check your grade for each assignment you submitted on the Canvas. However, I keep the official grades in an Excel file and will calculate your final grade using Excel or SPSS.

* **Individual Project**

Each person in the class will complete a project that includes the following:

* 1. Introduction
* Statement of purpose of the study
* Necessary background information
  + Brief overview of relevant literature
  + Standards
* Research or evaluation questions
  1. Methods
* Population
* Sampling methods
* Description of instrument development
* Description of scale and how items are scored and meaning of scores per item and per scale.
* How value(s) are obtained for analysis.
* Description of how validity and reliability of scores are established.
* Procedures and data analysis
  1. Results (based on pilot study)
* Description of your sample
* Evidence supporting **reliability** and **validity**
* Results (descriptive statistics) from pilot test of instrumentation
  1. Discussion
* Self-reflection of the process of instrument development and pilot testing — What do you learn from the process? What were the feedback you received from your colleagues? What would you do differently? What is your plan for the next step?
  1. Follow APA writing style.
  2. The report and instrument must be typed.

**Class Policy Statements**

* ***Email and Communication***
* All communication through emails needs to be via Auburn Tiger Email system. In other words, you need to use your university email address to send me emails, and I will do the same. Emails will be responded **within 48 hours** **excludes weekends and holidays**.
* All PPTs and announcements will be posted on the Canvas. You are responsible to check the Canvas before you come to the class.
* All assignments need to be uploaded on the Canvas. I will provide feedback to your assignments on the Canvas. You can check your grade for each assignment on the Canvas as well. However, I keep your official grades in my Excel file.
* If you need individual help, you can reach me during the office hours, virtual office hour, email, or make an appointment (request Zoom meeting).
* ***Class Attendance***

Points are not attached to attendance directly. However, excellent class attendance is expected. If you need to be absent for school or work-related requirements, illness, or an emergency, you are allowed to make up points for no more than two classes. Students are responsible for initiating arrangements for missed work.

* ***Electronic Device Policy***

Cell phones should be turned off or to vibrate during face-to-face classes. Cell phone texting and/or reading are not permitted in class. Laptops and tablets in class could only be used for the purpose of the class.

* ***Assignment Policy***
* Due to the potential incompatibility of word processing programs and formats, and the potential for the transmission of viruses, absolutely no work for the course will be accepted as an E-mail and/or as an E-mail attachment, or on a disk etc. All graded work must be uploaded on the Canvas.
* All work submitted for the course must be typed.
* ***Late Assignments Policy***
* Assignments turned in late will receive a 2% reduction in earned points per day. The only exception will be in the case of emergency.
* Except for work requiring calculations, all work must be typed or it will **not** be graded. Late penalty will be applied to work completed in writing and then turned in late in typed format for a grade.
* Assignments more than 2 weeks overdue will not be accepted.
* ***Incompletes and Withdrawals***

Grades associated with incomplete course work or withdrawal from class will be assigned in strict conformity to University policy (see Auburn University Bulletin). If you wish to drop this course you may do so by the 10th class day with no grade assignment. From the 10th class day to mid-quarter a W (withdrawn-passing) grade will be recorded in your transcripts. After this period withdrawal from the course will only be granted under unusual circumstances and must be approved by the Dean of the College of Education.

Note that the incomplete grade (IN) policy is in effect. The new policy requires that students complete a form requesting that an IN grade be assigned. If this form in not completed and given to the instructor of the class, a grade will be assigned with a score of zero (0) for work that has not been completed and turned in by the time the instructor reports grades. To be eligible for a grade of IN, the student must have completed and have passed more than half of all class assignments/exams for semester.

* ***Academic Misconduct***

***Academic Honesty***

The Department of EFLT recognizes university policy regarding academic misconduct. Violations include, but are not limited to: plagiarism, unauthorized assistance during examinations, submitting another’s work product as your own, using another’s words as your own without appropriate citation, sharing unauthorized materials with another that contain questions or answers to examinations, altering or attempting to alter assigned grades. In accordance with University policy regarding academic misconduct, students may be subject to several sanctions upon violations of the Student Academic Honesty Code. See the Tiger Cub publication for the current year for specifics regarding academic misconduct as well as student’s rights and responsibilities associated with the Code.

***Plagiarism***

For more information, see:

<http://www.collegeboard.com/student/plan/college-success/10314.html>

<http://owl.english.purdue.edu/owl/resource/589/01/>

<http://www.indiana.edu/~wts/pamphlets/plagiarism.shtml>

* ***Disability Accommodations***

Students who need special accommodations in class, as provided for by the American Disabilities Act, should arrange a confidential meeting with the instructor during office hours the first week of classes — or as soon as possible if accommodations are needed immediately. If you have a conflict with my office hours, an alternate time can be arranged. To set up this meeting, please contact me by e-mail. You must bring a copy of your Accommodation Memo and an Instructor Verification Form to the meeting. If you do not have these forms but need accommodations, make an appointment with the Program for Students with Disabilities, 1228 Haley Center, 844‑2096 (V/TT).

NOTE: This is a tentative syllabus. Any changes will be announced in class. Students are responsible for being aware of the changes made.

**Tentative Course Content and Schedule**

| Week | Date | Topics | Activity Due | Assignment Due |
| --- | --- | --- | --- | --- |
| 1 | 5/25 | Syllabus  Introduction to Survey Research (Chapter 1)  Background Research to Define Survey Content  Delphi Method to Define Construct  Reading: Practical Considerations for Conducting Delphi Studies: The Oracle Enters a New Age | Class discussion: Is survey research or not?  Delphi Quiz |  |
| 2 | 6/01 | Ethical Issues   * Confidentiality, Informed Consent * Institutional Review Board (IRB) | Individual Final Paper Research Question |  |
| 3 | 6/08 | Types of Measurement Scales (Chapter 4)  From construct to indicators | Measurement Activity  Delphi Method Sheet #1 |  |
| 4 | 6/15 | Guidelines for Survey Instrumental Construction (Chapter 5 & 6)   * Writing Questions * Constructing the Questionnaire   From indicators to survey items | Delphi Method Sheet #2 | Informed Consent Letter  First Draft of Survey Items |
| 5 | 6/22 | Peer review of items and rewrites  Sampling Issues (Chapter 2 & 3)   * Sampling procedures * Dealing with Non-respondents * Follow-up Techniques * Piloting and Implementing Surveys | Sampling | First Draft Peer Review  Second Draft of Survey Items |
| 6 | 6/29 | Methods of Administration (Chapter 7)  Response Rate  Recruitment and follow-up |  | Final Draft of Survey Items |
| 7 | 7/06 | Online Survey Tools (Chapter 9)   * Qualtrics * SurveyMonkey.com & others |  | CITI training  Electronic Survey |
| 8 | 7/13 | Data Analysis Issues   * Survey Psychometrics * Validity and Reliability * Data management, Analysis, and Interpretation | Completed Data Collection | Recruitment and follow-up plans and materials |
| 9 | 7/20 | Reporting Survey Results  Reading   * Checklist of Contents for a Survey Report * How to Make a Presentation |  |  |
| 10 | 7/27 | Class Presentation |  | Presentation PPT  Respond to at least 5 presentation videos  Final Paper Due |

**ERMA 8200 Survey Research Methods Final Paper Rubric (40 pts)**

* **Introduction & Literature Review**
  + Overview of Literature
  + Relevant literature is reviewed (1~1.5 pages)
  + Presented importance and rational of topic
  + Research questions/hypotheses are identified accurately

**\_\_\_\_\_\_/5 pts**

* **Methods**
  + Methods are clearly stated with sufficient & accurate detail
  + Relevant research terms are used
  + Population and Sampling method are discussed
  + **Survey item development are adequately described**
    - Example questions
    - Scoring
  + Procedure
  + Data analysis method

**\_\_\_\_\_\_/12 pts**

* **Results**
  + **Response/completion rate** is reported.
  + Description of pilot sample
  + **Reliability and validity** information if necessary
  + Analyses
    - Descriptive Statistics are used appropriately
  + Displays (if needed)
    - Graphics/tables and other visuals enhance presentation

**\_\_\_\_/15 pts**

* **Self-Reflection of Survey Development/Pilot Study Process**
  + Feedback from your colleagues.
  + Your reflection of the survey design and pilot study experience.
  + If you are going to actually conduct the study, what would you do differently?

**\_\_\_\_/5 pts**

* **APA format**

**\_\_\_\_/3 pts**

**Total: \_\_\_\_\_\_/40 pts**

**ERMA 8200 Survey Research Presentation Rubric (10 pts)**

* **Introduction & Literature Review**
  + Overview of Literature
  + Relevant literature is reviewed
  + Research questions/hypotheses are identified accurately

**\_\_\_\_\_\_/20 %**

* **Methods**
  + Methods are clearly stated with sufficient & accurate detail
  + Relevant research terms are used
  + Population & Sampling method are discussed
  + Instrument development
    - Example questions
    - The feedbacks from your peer review and how you modified your items accordingly

**\_\_\_\_\_\_/40 %**

* **Results**
  + Response/completion rate.
  + Pilot sample description.
  + Reliability and validity evidence if necessary.
  + Analyses (descriptive information)
    - Descriptive Statistics are used appropriately
  + Displays (if needed)
    - Graphics and other visuals enhance presentation

**\_\_\_\_/20 %**

* **Overall** 
  + Pilot study is conducted
  + At least n=20 in pilot
  + PPT and handouts provided

**\_\_\_\_\_/20 %**

**Total: \_\_\_\_\_\_/100 %**