مشاه southwestern University of the Negev

Faculty of Humanities and Society

Course Syllabus

Semester: 2015-16

Course Title: Research Methodology - Quantitative

Course Code: 12922201A, 12922211B

Instructor: Dr. Keren Eilot
Email: keren.eilot@gmail.com
Co-Instructor: Gitit Sabag
Email: rinat_sabag@hotmail.com

Contact Hours: Monday 14:00-15:00 (subject to prior agreement).

Course Objectives:

Understanding the course and the course outline to be completed. The course will cover theoretical and practical aspects of using statistical software (such as SPSS). This knowledge will enable independent reading of research articles and the preparation of a quantitative thesis.

Course Content:

1. Review of research methods at the undergraduate level: the scientific inquiry (theoretical and practical), research design, sampling, data collection methods, validity and reliability.

2. Statistical inference (recap, sampling distribution, T-test...).

3. Analysis of variance multivariate, analysis of variance, effect size.

4. Regression analysis (simple regression, multiple regression, multicollinearity, order of entry, etc.).

5. Methods of control: significance tests.

6. Statistical software and theoretical applications: SPSS, HLM.

7. Qualitative analysis: reading, writing, verifying, and reporting.

8. Final examination.

Method of Evaluation:

- Written exam
- Project
- Individual work
- Group work
- Final report

Prerequisites:

1. Knowledge of research at the undergraduate level: the scientific inquiry (theoretical and practical), research design, sampling, data collection methods, validity and reliability.

2. Mathematical skills: basic algebra, probability, and statistics.

3. Computer skills: familiarity with scientific software (such as SPSS).

4. Research literature: reading, writing, verifying, and reporting.

5. Qualitative analysis: reading, writing, verifying, and reporting.

6. Final examination.
הריכוז: במאלו כל הסמסטר על הסטטיסטיקה ליזי גוריל. ה겐ישה חובה.

апример: בצק כל הסמסטר חקים מקוה.

ועדוד המסמך: הסטטיסטיקה ליזי גוריל עבורה בכסף הקורס והר dürfen ליישם ועבורה בסטטיסטיקה, במקנה.

AMOS ו-SPSS

рокסן אינו הקורס

הרגיליים – 20% (כל אחד 10%).

 הפחותים – 20% (כל אחד 10%). הנאי מרבר בקורסuard נבדל בכסף מקורס והר dürfen ליהיו בכסף

ועבורה המסמכתי – 40%.
רשימה ביבליוגרפית:

סקקת סטטיסטיות


ניתוחי שונות


רגרסיה


מודל תיווך


מודל מיתון


Course Name: quantitative methodology research

Number:  Semester A: 12922201  Semester B: 12922211

Lecture: Dr. Guy Roth

Instruction Objectives:
The purpose of the course is to provide graduate students a deep understanding of quantitative research methodologies and advanced theoretical statistical tools. In addition, we will learn to implement the theoretical tools by using statistical softwares (such as SPSS). The course will allow independent reading of research articles and will provide the basis for writing a quantitative thesis.

Chapters:

1. Basic Statistics
2. ANOVA
3. Regression Analysis
4. Mediation and moderation
5. Factor Analysis
6. SEM, HLM

Requirements:

Home Exercise

Assignments- 60% (Each 30%)

Final course assignment - 40%

Bibliography

Recommended readings:
Basic Statistics


ANOVA


Regression


Mediation


Moderation


Exploratory Factor Analysis


SEM


HLM