

- Name of Course:** Quantitative Research Methods and Statistics B (M.Ed.)
 מחקר כמותי וסטטיסטיקה B (תואר שני)
- Names of Teachers:** Dr. Marsha Bensoussan and Dr. Itay Hess
- Number of Hours:** Two hours weekly for one semester
- Type of Course:** Interactive lectures (second year, compulsory)
- Prerequisites:** Quantitative Research Methods and Statistics A (M.Ed.)
- Course Description:** The goals of the course are to teach advanced knowledge of statistical methods needed to understand, plan, carry out and interpret research work in the Social Sciences and Education.
- Course Objectives:**
1. Students will understand advanced issues underlying research.
 2. Students will acquire concepts in statistics.
 3. Students will acquire practice in advance statistical procedures.
 3. Students will learn the skills for critical reading of research articles and analysis on the basis of empirical data.
 4. Students will carry out research work.
- Course Outline:**
1. Trial -Design Experimental research
 2. Correlative study
 3. Sampling: Probability sampling and Non-probability sampling
 4. Writing a Research Report
 5. Inferential Statistics
 6. Group Comparisons (T-tests, Analysis of variance, Interactions)
 7. Regression Equations
 8. Non-Parametric Tests

Methods of Teaching: Frontal lectures with examples from research in Education. classroom exercises, analyzing SPSS readouts, homework

Course Requirements:

1. Active class participation
2. Submitting a brief research report
3. Examination

Assessment:

30% Participation

30% Brief research report

70 % Examination

References (* = required reading):

- * Babbie, E., R., & Rubin, A. (2010). *Research methods for social work* (7th ed.). Belmont, C.A.: Thomson/Brooks/Cole, pp. 79-92, 315-326.
- Cronk, B. C. (2004). *How to use SPSS: A step-by-step guide to analysis and interpretation* (3rd ed.). Los Angeles: Pyrczak Publishing.
- Haslam, S. A., & McGarty, C. (2003). *Research methods and statistics in psychology*. Thousand Oaks, CA: Sage
- Keyton, J. (2006). *Communication research: Asking questions, finding answers*: New York: McGraw-Hill, pp. 42-46.
- Kirkpatrick, L. A., & Feeney, B. C. (2001). *A simple guide to SPSS for windows*. Australia: Wadsworth Thomas Learning.
- Siegel, S., & Castellan, N. J. (1988). *Nonparametric statistics for the behavioral sciences* (2nd ed.). New York: McGraw-Hill, Inc.
- Whitley, B. W. (2002). *Principles of research in behavioral science*. Boston: McGraw-Hill.