

## Handout 1 – course overview

Dear students,

welcome to the FWF *Research Methodologies – Empirical-quantitative methods*. This course offers a hands-on introduction to conducting empirical research, encompassing phrasing research questions, collecting, and analysing data, as well as reporting methodology and results in APA style. Thus, this course will help you do empirical projects for term papers in various courses throughout your studies.

### HOW TO CONTACT YOUR INSTRUCTOR

office hours: on appointment in R 345 (send e-mail in advance)  
phone: 0732 – 7470 – 70 64  
mail: [thomas.wagner@ph-ooe.at](mailto:thomas.wagner@ph-ooe.at)

### AIMS OF THE SEMINAR

By the end of this course students will be familiar with:

- (1) basic experimental designs
- (2) meaningful and doable research questions
- (3) SoSciSurvey (<https://www.soscisurvey.de/>), an online survey instrument for data collection
- (4) descriptive and basic inferential data analysis using Excel
- (5) writing up quantitative results in APA style

### WORKLOAD AND REQUIREMENTS

With *Research Methodologies – Empirical-quantitative methods* you can earn 1 ECTS point by 25 hours of workload, broken down as follows:

| workload             | nature of assignment  | hours         |
|----------------------|---|---------------|
| 1. presence in class | 5 blocks with 3 units each (à 45 min), without breaks                           | 11 h          |
| 2. course reading    | reading of relevant texts   | 2 h           |
| 3. project           | conducting and presenting a small-scale replication study (Loftus & Zanni 1075) | 12 h          |
|                      |   | <b>Σ 25 h</b> |

### WHAT YOU NEED TO DO TO PASS

1. enrol yourself in the Moodle course <https://moodle.ph-ooe.at/course/view.php?id=1789>
2. get all relevant information from Moodle
3. submit research report in Moodle
4. regular attendance, 80% of all meetings, i.e. a maximum of 3 absences out of 15 (1 out of the 5 blocks).

### SCHEDULE

| Block | Day                                 | time          | topics   |
|-------|-------------------------------------|---------------|--|
| 1     | Thursday, October 20 <sup>th</sup>  | 14:00 – 16:30 | experimental designs, research questions & data collection |
| 2     | Thursday, November 17 <sup>th</sup> | 14:00 – 16:30 | SoSciSurvey and data management                            |
| 3     | Thursday, December 1 <sup>st</sup>  | 14:00 – 16:30 | data analysis, graphs and tables using Excel               |
| 4     | Thursday, December 15 <sup>th</sup> | 14:00 – 16:30 | writing up, APA style, managing references in MS WORD      |
| 5     | Thursday, January 12 <sup>th</sup>  | 14:00 – 16:30 | feedback, summary, outlook into potential projects         |

### LITERATURE (MOODLE)

Dean, A., Voss, D., & Draguljić (2017). *Design and analysis of experiments*. 2nd edition. New York: Springer.  
Dörnyei, Z. (2011). *Research methods in applied linguistics. Quantitative, qualitative, and mixed methodologies*. Oxford. OUP.  
Hinkel, E. (Ed.) (2011). *Handbook of research in second language teaching and training*. Volume II. Oxon: Routledge.