



**Karolinska  
Institutet**

Course syllabus for

# **Scientific Theory, Research and Evaluation Methods in Psychotherapy 2, 3.5 credits**

Vetenskapsteori, forsknings- och utvärderingsmetoder i psykoterapi 2, 3.5 hp

This course syllabus is valid from spring 2018.

Please note that the course syllabus is available in the following versions:

Spring2018 , [Spring2022](#) , [Spring2023](#)

Course code	2PT133
Course name	Scientific Theory, Research and Evaluation Methods in Psychotherapy 2
Credits	3.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Psychotherapy
Level	AV - Second cycle
Grading scale	Pass, Fail
Department	Department of Clinical Neuroscience
Decided by	Education committee CNS
Decision date	2017-10-18
Course syllabus valid from	Spring 2018

## **Specific entry requirements**

Registered on PT-program

## **Objectives**

On completion of the course, the student is expected to:

### *Knowledge and understanding*

- Be able to account for study designs commonly applied in psychotherapy research and their respective strengths and weaknesses
- Be able to relate how research aims and questions inform choices of study design and methods
- Be able to account for different quantitative and qualitative methods for data collection and criteria to assess applicability of these methods
- Be able to explain basic statistical concepts
- Be able to explain basic concepts for thematic analysis

*Skills and abilities*

- Be able to design a study and make a time schedule for data collection and study completion
- Perform basic statistical analyses
- Perform basic qualitative text analyses
- Write an outline based on quantitative and qualitative outcomes
- Critically assess scientific papers: introduction, design, methods, results, ethics and conclusions

*Values and attitudes*

- Be able to reflect on ethical aspects of choice of research aims, study design and scientific communication
- Be able to identify areas in scientific method where own continuous training would be beneficial

**Content**

The course comprises teaching on study design, data collection, data analysis and how to report results.

**Teaching methods**

Teaching takes place in the form of recorded lectures available through internet, practical coursework and seminars.

**Examination**

Attendance on seminars is mandatory. Students will not pass in the event of more than 20% absence from seminars. Examination will be completed in three steps:

- Internet-based examination of literature and lectures
- Completion of practical coursework
- Oral group presentation of a paper at a seminar.

The paper should be handed in 1 week before the seminar. Active participation on the seminar when papers are presented is required.

**Transitional provisions**

An examination will be made available for a period of one year in the event of the course being discontinued or a new course syllabus being introduced.

**Other directives**

Course evaluation will be carried out in accordance with the guidelines established by the Board of Education.

**Literature and other teaching aids*****Mandatory literature***

*Kazdin, Alan E.*

**Research design in clinical psychology**

4. uppl. : Boston, MA : Allyn and Bacon, cop. 2003 - xvii, 637 s.

ISBN:0-205-33292-7 LIBRIS-ID:8835326

[Library search](#)

***In-depth literature***

*Bland, Martin*

**An introduction to medical statistics**

3. ed., [Nachdr.] : Oxford : Oxford University Press, 2009 - XVI, 405 S

ISBN:978-0-19-263269-2 LIBRIS-ID:11926588

[Library search](#)

*McLeod, John*

**Qualitative research in counselling and psychotherapy**

2. ed. : London : Sage, 2011 - xiii, 338 p.

ISBN:1-84920-062-9 LIBRIS-ID:12329330

[Library search](#)