

University of Turku
Department of Nursing Science

(updated 14.4.2021)

Rehabilitation research in nursing and health (5 ects)

Time:	Lectures (2 days): 12.4.2021 13.4.2021 Seminar (1 day): 10 th May 2021, via Zoom
Place:	Department of Nursing Science, University of Turku, Finland
Course leader:	Minna Stolt , Docent, PhD, University Lecturer, Department of Nursing Science, University of Turku, Finland (minna.stolt@utu.fi)
Teachers:	Carina Boström , Senior university lecturer, associate professor (docent), PhD, Department of Neurobiology, Care sciences and Society, Division of Physiotherapy, Karolinska Institutet, Sweden Heidrun Gattinger , Professor, PhD, Department of Nursing and Health Care, FHS St. Gallen University of Applied Sciences, Switzerland Lena von Koch , PhD, Professor Department of Neurobiology, Care Sciences and Society, Karolinska Institutet, Sweden Anders Kottorp , Dean and Professor, PhD, OT reg, Faculty of Health and Society, Malmö University, Sweden Kati Kulju , PhD, Turku University of Applied Sciences, Finland Marloes Tenten-Diepenmaat , PhD, School of Health, Saxion University of Applied Sciences, The Netherlands
Learning activities, teaching methods:	Lectures (including discussions) 16 hours, exercises, seminar working (8 hours) and presentation. The students have to participate both in lectures and seminar, and make a paper for the seminar (instructions for the paper, see last page of the program)
Learning outcomes:	After the course the student understands the nature and design of rehabilitation research in the context of nursing and health. Students will learn how to design, conduct and analyse a rehabilitation research study. The student understands how results obtained from the rehabilitation research are interpreted and reported.
Learning material	<u>book</u> : Carter J & Lubinsky J. 2015. Rehabilitation Research. Principles and Applications. 5th Edition. St. Louis, Mo.: Elsevier Saunders. <u>articles</u> : about 100 pages, provided via Moodle learning platform
Evaluation	Pass – Fail.

Students evaluate the course according to the evaluation form of the Finnish Post-Graduate School in Nursing Science. Evaluation is a precondition for obtaining a certificate/study credits.

Registration Deadline 31.3.2021.

Program

Lectures

12th April 2021 (day 1), Zoom

All times Finnish time

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| 9.00-9.15 | Welcome and introduction to course
Docent Minna Stolt |
| 9.15-10.00 | Theoretical introduction to rehabilitation research – advantages and challenges
Docent Minna Stolt, University of Turku |
| 10.00-11.00 | How to Conduct Rehabilitation Research? Understanding different Rehabilitation Research Designs in light of research examples
Docent Carina Boström, PhD, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet, Sweden |
| 11.00-12.00 | Lunch break |
| 12.00-14.00 | Methodological approach to Rehabilitation Research: Examples and experiences
Marloes Tenten-Diepenmaat, PhD, School of Health, Saxion University of Applied Sciences, the Netherlands |
| 14.00-14.30 | Coffee break |
| 14.30-15.30 | How to Ensure Validity in Rehabilitation Research?
Professor, Heidrun Gattinger, PhD, Department of Nursing and Health Care, FHS St. Gallen University of Applied Sciences, Switzerland |
| 15.30-15.45 | Discussion and closing the first day
Docent Minna Stolt |

13th April 2021 (day 2), Zoom

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| 10.00-10.15 | Welcome, practical issues and instruction for seminar work |
| 10.15-11.15 | Ethics in rehabilitation research
PhD Kati Kulju, Turku University of Applied Sciences |
| 11.15-12.15 | Interpreting the findings and reporting rehabilitation research |

Professor Lena von Koch, PhD, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet

12.15-13.15 Lunch

13.15-16.45 Data analysis in rehabilitation research: an example of Rasch analysis while
(breaks analyzing everyday activities in different patient groups
included) Dean and Professor Anders Kottorp, PhD, Faculty of Health and Society,
Malmö University, Sweden

16.45-17.00 Final discussion and closing the lectures
Docent Minna Stolt

Online working (14.4.–9.5.2021)

- Students are asked to watch one video lecture (45min) and read five scientific articles of rehabilitation research (see Moodle)
- Based on video and articles, students are asked to provide a written reflection about the topic to Moodle discussion forum (deadline 28th April 2021)
- Then each student comments freely chosen 3 reflections by providing critical insights for the topic and pointing out issues for future development (deadline 6th May 2021)
- The reflections and comments will be grouped by the teacher and discussed together at the end of the seminar

Seminar: 10.5.2021 in Turku (online), 8-16 (teacher: Docent Minna Stolt, University of Turku)

The goal of the seminar is twofold. First, to analyze theoretical, methodological and ethical perspectives in the student's own PhD-study and secondly, to have a critically discuss with other students.

Paper guidelines:

- The paper should include theoretical, methodological, and ethical perspectives of your PhD study or related topic. The students are expected to explore and justify how rehabilitation research is relevant to their own doctoral research study. Included may also be your publication plans, how to report your study findings. This paper is aimed to help the students to formulate own study and progress it by support and ideas dealt during the course.
- Paper should not exceed 10 pages including references. Your paper should follow the scientific writing style. You may choose the referencing style according to any nursing journal, e.g. Hoitotiede, Journal of Advanced Nursing etc, but follow that style throughout the paper.
- Include 2-3 references from the perspectives of your study for the other students to familiarize (methodological, theoretical and ethical).
- Return the paper and selected 2-3 references to Moodle platform no later than 5th May 2021 Moodle platform

In evaluating the paper the following criteria will be applied (accepted - rejected):

- 1) Logical title, scientific writing style, logical and clear structure
- 2) Paper is based on your own research topic, but the main points are in research process, theoretical, methodological issues, designs, and methods with justification as well as discussion about validity and reliability, research ethics issues in your study.
- 3) Paper is a critical evaluation and presentation of current situation in your own PhD-study. You can choose to focus on some aspects of your process.
- 4) Paper is based on scientific, theoretical and methodological literature.

Seminar presentations:

- All the students are expected to read all the papers of other students
- All of the papers will be used during the seminar/ workshop
- Each student will prepare 2-3 questions about the paper for the presenter. The questions are provided in advance to presenter (via Moodle), and the presenter is expected to formulate topics for group discussion based on them.
- Each student will prepare and provide a short Power Point Presentation (5-10 minutes) pointing out main theoretical/methodological/ethical points of research and present topics for group discussion.
- The whole group takes part to discussion (20 minutes) where the aim is to have analytic and scientifically deep discussion about each student's paper and presentation.