University of Turku
Doctoral Programme in Nursing Science

**RASCH ANALYSIS IN HEALTH SCIENCES, 2 ECTS**

**Time:**
- Lectures, exercises and workshops
- 2.3.2017 9–16
- 3.3.2017 9-16

**Place:**
University of Turku, Department of Nursing Science, ICT –building, A section, 5th floor, room A5053 (address: Joukahaisenkatu 3-5, 20520 Turku)

**Course leader:**
PhD, University Teacher Minna Stolt, University of Turku

**Teachers:**
Anders Kottorp, Professor, The University of Illinois at Chicago
Minna Stolt, PhD, University Teacher, University of Turku

**Learning activities and teaching methods:**
Lecture, exercises and workshops

**Learning outcomes:**
After the course the student will:
- understand the basic principles and applications of Rasch models in health care settings
- understand how results obtained from the Rasch analysis are presented and interpreted
- be able to critically reflect on evidence of the validity and reliability of clinical tests/assessments by the use of Rasch models

**Evaluation**
Accepted - not accepted
Students evaluate the course with the evaluation form of DPNurs [http://www.utu.fi/en/units/med/units/hoitotiede/postgraduate/forms/Pages/home.aspx](http://www.utu.fi/en/units/med/units/hoitotiede/postgraduate/forms/Pages/home.aspx)
Program:

2.3.2017 Department of Nursing Science, ICT building
Teachers: Professor Anders Kottorp and PhD, University Teacher Minna Stolt

9.15 Welcome and orientation to the course
   Introduction to current validity concepts
   Introduction to Rasch analysis
12-13 Lunch
13-16 Introduction continues and group work with real data

3.3.2017 Department of Nursing Science, ICT building
Teachers: Professor Anders Kottorp and PhD, University Teacher Minna Stolt

9.15 Group work continues and presentations of findings from groups
12-13 Lunch
13-14 Discussion about findings and implications for own practices and research
14-15 Foot Health Assessment Instrument and Rasch analysis
15-16 Final thoughts and feedback
PREPARATORY WORK

Familiarize yourself with following three articles. Especially focus on concepts used in the research methodology.

Articles are available from the Moodle platform:


Literature


