COURSE PROGRAM
356013J Theory development and testing, 5 ECTS

Time: 5-6.02.2019
Lectures and workshops

Place: University of Oulu, Research Unit of Nursing Science and Health Management, Aapistie 5A, 116B

Course leader and coordinator: Professor Helvi Kyngäs & doctoral candidate Heidi Siira, University of Oulu

Teachers: Professor Helvi Kyngäs
Professor Maria Kääriäinen
PhD post-doctoral researcher Kristina Mikkonen
University of Oulu
PhD researcher Marco Tomietto
Health Care Services of Pordenone – Hospital of Pordenone, Italy
PhD senior lecturer, post-doctoral researcher Outi Kähkönen
University of Eastern Finland

Learning outcomes: After the course, student is able to explain and analyze the fundamentals of theory development in health sciences. The student is able to make difference between strategies of theory development. Student is able to describe and plan a process of middle range theory developing including development, evaluating and testing the theory. The students improve their understanding about measurements/instrument developing in part of the theory developing process. Student is able to apply gained knowledge on theory development critically in a task of the course.

Credits: 5 ECTS

Learning methods: Preliminary reading, lectures, workshops and independent work.

Literature: Current literature, research reports and lecture materials.

Outcomes and evaluation: Active participation in contact teaching and workshops using digital media, and written assignment with self-evaluation.

Registration to the course:
Until: 21.01.2019
Registration link: https://www.webropolsurveys.com/S/74DF19692378F635.par
CONTENT AND PROGRAM

Independent orientation: Orientate yourself by reading the preliminary literature before contact teaching sessions. List of preliminary literature can be found in the end of the program. Please find preliminary task of the course under the program.

5th of February 2019
Place: 116B

9.00 - 9.15 Introduction to the course, Prof. Helvi Kyngäs

9.15 - 10.30 Development and testing of middle range theory of adherence with health regimens of patients with chronic disease, Prof. Helvi Kyngäs

10.30 - 10.45 Coffee break

10.45 – 11.30 Continuing: Development and testing of middle range theory of adherence with health regimens of patients with chronic disease, Prof. Helvi Kyngäs

11.30 – 12.30 Lunch break

12.30-13.30 Theory testing- adherence to treatment of patients with coronary heart disease, Dr. Outi Kähkönen

13.30-14.30 Deductive theory development process- the quality of patient councelling, Prof. Maria Kääriäinen

14.30-14.45 Coffee break

14.45 – 15.45 Testing models: a crossroad between theoretical coherence and statistical possibilities, Dr. Marco Tomietto

15.45-16.00 Closing of the day, Prof. Helvi Kyngäs and Dr. Kristina Mikkonen

6th of February 2019
Place: 116B

8.30 - 10.00 Instrument development and psychometric validation, Dr. Kristina Mikkonen and Dr. Marco Tomietto

10.00 - 10.15 Coffee break
Statistical testing in theory development, case of organizational psychology in nursing science, Dr. Marco Tomietto

Lunch break

Research seminar: development and testing of theory in nursing science, Prof. Helvi Kyngäs, Dr. Marco Tomietto and Dr. Kristina Mikkonen

Coffee break

Continuing research seminar: development and testing of theory in nursing science, Prof. Helvi Kyngäs, Dr. Marco Tomietto and Dr. Kristina Mikkonen

Closing of the day, Prof. Helvi Kyngäs and Dr. Kristina Mikkonen

Instructions for the preliminary course assignment:

I. Please choose one publication relating theory development and testing process. Analyze and evaluate 1) the process of theory development, 2) the content of theory, 3) validity and reliability of theory (including psychometric validation of instrument), and 4) usefulness of theory.

The criterion of theory analysis and evaluation can be found in the following references: McEwen, M. & Wills, E.M. 2002 and/or Lauri, S. & Kyngäs, H. 2005 and/or Peterson, SJ & Bredow, TS. 2009.

II. Search the literature to find out how the theory you have evaluated and analyzed has been used.

Preliminary recommended reading:


Mikkonen K., Elo S., Miettunen J., Saarikoski M., Kääriäinen M. (2017). A development of the new scale as a sub-dimension to the clinical learning environment and supervision (CLES+T) scale for culturally and linguistically diverse students in clinical placements in Finland. Journal of Advanced Nursing 00(0), 000–000. doi: 10.1111/jan.13268


Peterson, SJ. & Bredow, TS. 2009. Middle Range Theories. Application to nursing research. Williams & Wilkins, Lipincott.


