Preliminary Program

Nursing Science: Perspective of complex clinical trials in health research, 6 ECTS

Time and place: Lectures and seminar: 31st May – 1st June 2017
Department of Nursing Science, University of Turku, ICT-building,
Joukahaisenkatu 3-5, Turku

Course leader: Professor Sanna Salanterä, PhD, RN

Teachers: Professor Carol E. Smith, PhD, RN, University of Kansas
Professor Sanna Salanterä, PhD, RN
Associated Professor Anna Axelin, PhD, RN
Researcher Hannakaisa Niela-Vilén, PhD, RM
University Teacher, Coordinator Kaisa Kauppi, PhD, RN
Doctoral Candidate Heidi Parisod, MNSc, RN
Doctoral Candidate Laura-Maria Peltonen, MNSc, RN

Purpose: To critically analyze and evaluate clinical nursing research (experimental and
quasi-experimental study designs) from specified methodological perspectives.

Credits: 6.0 credit points (ECTS), (lectures and workshops 2.0, paper 2.0, seminars 2.0)

Learning methods: Independent readings and a paper prior to the seminars, specialist
lectures, workshops and seminars.

Prior to the seminars, students should write a paper, see guidelines below
First part of the course consists of lectures and small workshops based on
lectures and readings. Second part consists of seminars based on papers written
by students.

Literature: See reference list below

Outcomes and evaluation:

After the course students should
- have deeper understanding of study methods used in clinical intervention
  studies, with special emphasis on experimental and quasi-experimental
  study designs
- have more interest and courage in using these methods in their own
  research
- use relevant literature as the basis of their methodological decisions

Contact person: Coordinator Kaisa Kauppi kaemka@utu.fi

Registration: By 1st April via www-page form:
https://www.webropolsurveys.com/S/A5D7161A1D4B29A5.par

Altogether 22 students will be accepted to the course.
Course Outline:

**Wednesday 31st May, 2017**

8-8.30  Introduction and practical arrangements  
Professor Sanna Salanterä

8.30-11 Complex trials and their use in clinical nursing research  
Professor Carol E. Smith

11-12  Lunch

12-15  Examples of clinical trials  
Hannakaisa Niela-Vilen, PhD, Researcher  
Kaisa Kauppi, PhD, University teacher  
Heidi Parisod, Doctoral Candidate  
Laura-Maria Peltonen, Doctoral Candidate

15-18  Seminar  
Professor Sanna Salanterä and Associated professor Anna Axelin

Coffee breaks in convenient places

**Thursday 1st June, 2017**

8-11  Complex clinical trials and information technology  
Clinical trials phase 1, 2, 3 and controlling extraneous factors  
Professor Carol E. Smith

11-12  Lunch

12-15  Topic continues  
Professor Carol E. Smith and Professor Sanna Salanterä

15-18  Seminar  
Professor Sanna Salanterä and Associated professor Anna Axelin

Coffee breaks in convenient places
Instructions for papers and seminars

You should write a Research Proposal **before the seminars** about your own research topic or about some other topic where experimental design could be used in clinical nursing research. The main emphasis of the proposal should be on the methodology issues. You should include a figure of the design in your proposal.

For writing the proposal you can use the articles which are mentioned as course literature and naturally the methodology literature. The length of the Research Proposal is 5-8 pages.

The course paper will be evaluated as pass or fail.

The produced Research Proposals will be treated as confidential and they are not allowed to be copied or used in any other purposes.

Research Proposal **should be sent to the course leader IN PRINT by 15th May, 2017.**

The papers will be discussed during the seminars

The mailing address is:
Professor Sanna Salanterä  
Department of Nursing Science  
20014 University of Turku  
FINLAND
Reference list

Teerenstra S, Lu B, Preisser JS, van Achterberg T, Borm GF.
PMID: 20070297 [PubMed - indexed for MEDLINE]

van Achterberg T, Schoonhoven L, Grol R.
PMID: 19094144 [PubMed - indexed for MEDLINE]

Craig P, Dieppe P, Macintyre S, Michie S, Nazareth I, Petticrew M;
Medical Research Council Guidance.
Free full text <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2769032/?tool=pubmed>

Free full text <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1808182/?tool=pubmed>

Polit DF, Gillespie BM, Griffin R.
PMID: 21127453 [PubMed - indexed for MEDLINE]
Polit DF, Gillespie BM.
PMID: 19918150 [PubMed - indexed for MEDLINE]
Related citations

Parent N, Hanley JA.
PMID: 19517902 [PubMed - indexed for MEDLINE]
Related citations

8. Intervention research: establishing fidelity of the independent variable in nursing clinical trials. 
Stein KF, Sargent JT, Rafaelis N.
Nurs Res. 2007 Jan-Feb;56(1):54-62.
PMID: 17179874 [PubMed - indexed for MEDLINE]
Related citations