

COURSE PROGRAM**356014J Intervention research (1-5 ECTS)**

Time:	8-9.11.2018 Lectures and independent work
Place:	University of Oulu, Research Unit of Nursing Science and Health Management, Aapistie 3A, Dentopolis place: H1114/H1115. + ACP connection (link will send for the participants after registration to the course)
Course leader and coordinator:	Prof. Maria Kääriänen & Moona Huhtakangas, University of Oulu
Teachers:	Professor Gabriele Meyer, Martin Luther University Halle-Wittenberg, Germany Professor Jouko Miettunen, University of Oulu Associate professor Anna Axelin, University of Turku Dr. Heidi Ruotsalainen, University of Oulu
Purpose:	After the course, a student understands the meaning of developing complex interventions from the perspective of evidence based practice, and will gain competence on describing and evaluating the process of complex intervention development (i.e. planning, piloting, evaluating, and implementing an intervention study). Additionally, student will learn to assess the effects of the intervention, to critically evaluate complex interventions, and to plan a protocol for intervention study.
Credits:	1-5 ECTS (lectures 1 ects, lectures and protocol 5 ects)
Learning methods:	Lectures and independent work.
Literature:	Current international research in health sciences and lecture materials.
Assessment:	Preliminary work, active participation in lectures and protocol as an independent work.

Registration to the course (until 29.10.2018):

<https://www.webpolsurveys.com/S/07266884BC2EC238.par>

In case of further enquiries please contact:

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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.

8th of November 2018

9.00-9.15	Course info Prof. Kääriäinen
9.15–10.30	Introduction to Complex interventions: concepts and intervention development process, Prof. Meyer
10.30–11.30	Statistical questions in intervention research, Prof. Miettunen
11.30–12.30	Lunch break
12.30–13.30	Intervention planning Prof. Meyer
13.30–14.30	Intervention description (TiDIER) and reporting RCT -studies (CONSORT), Prof. Meyer
14.30–14.45	Coffee break
14.45–16.00	Pilot and feasibility studies, Assoc.Prof. Axelin

9th of November 2018

8.15- 10.00	Evaluating effectiveness, Dr. Ruotsalainen
10.00–10.15	Coffee break
10.15–11.30	Implementing complex interventions: Process evaluation, Assoc.Prof. Axelin
11.30–12.30	Lunch break
12.30 - 14.00	Implementation theories, models and frameworks, Assoc.Prof. Axelin
14.00 - 15.30	Internal validity and assessing the risk of bias, Prof. Meyer
15.30-16.00	Closing of the day, prof. Kääriäinen

Preliminary reading:

Complex Interventions in Health. An overview of research methods. David A. Richards & Ingalill Rahm Hallberg (eds.) 2015 – Routledge

MRC. Complex interventions guidance

<http://www.mrc.ac.uk/documents/pdf/complex-interventions-guidance/>

The Consort Statement <http://www.consort-statement.org/>

The TIDieR (Template for Intervention Description and Replication)

<http://www.equator-network.org/wp-content/uploads/2014/03/TIDieR-Checklist-PDF.pdf>

Sterne J., Hernan M, Reeves B, Savovic J et al. ROBINS-I: a tool fo assessing risk of bias in non-randomised studies of interventions. BMJ 2016; 355.

<http://www.bmj.com/content/355/bmj.i4919>

Higgins JPT, Altman DG, Gøtzsche PC, et al. Cochrane Bias Methods Group
Cochrane Statistical Methods Group. The Cochrane Collaboration's tool for assessing risk of bias in randomised trials. BMJ2011;343:d5928. doi:10.1136/bmj.d5928
pmid:22008217.

http://www.bmj.com/content/343/bmj.d5928?ijkey=8b03bd4e169892d382738cdd4756d777441946af&keytype=tf_ipsecsha

Moore G, Audrey S, Barker M, Bond L, Bonell C, Hardeman W, Moore L, O’Cathain A, Tinati T, Wight D, Baird J. Process evaluation of complex interventions: Medical Research Council guidance. MRC Population Health Science Research Network, London, 2014 <http://www.mrc.ac.uk/documents/pdf/mrc-phsrn-process-evaluation-summary-guidance/>

Harvey G, Kitson A. PARIHS revisited: from heuristic to integrated framework for the successful implementation of knowledge into practice. Implement Sci. 2016 Mar 10; 11:33.

Bauer MS, Damschroder L, Hagedorn H, Smith J, Kilbourne AM. An introduction to implementation science for the non-specialist. BMC Psychol. 2015 Sep 16;3:32.

Nilsen P. Making sense of implementation theories, models and frameworks. Implement Sci. 2015 Apr 21;10:53