REGISTER BASED RESEARCH (5.0 ECTS)
Health and Biosciences Doctoral Programme (HBS-DP)

Target group:
PhD students in the HBS-DP Doctoral Degree Programmes and postdoctoral researchers

Place: To be announced later

Registration at the latest 30.9.2019 to elina.laukka@oulu.fi

CONTENT AND preliminary COURSE PROGRAM

**Tuesday 3 December 2019**

10.00–10.15 Introduction to the course

10.15–12.15 Registers as data source in Finland & planning the register-based research: process, ethical and legal issues
   **Mika Gissler**, research professor, THL

12.15–13.00 Lunch break

13.00–14.00 Register based birth cohort studies
   **Tiina Ristikari**, research manager, THL

14.00–14.15 Coffee break

14.15–16.15 Analyzing repeated cross-sectional surveys merged with register data: examples from Finnish working and living conditions surveys
   **Tomi Oinas**, post-doctoral researcher, University of Jyväskylä

16.15–16.20 Ending the day

**Wednesday 4 December 2019**

11.30–11.45 Opening of the day

11.45–12.45 Using health care organization’s operational data in research: examples, challenges and ethical issues
   **Minna Mäkiniemi**, research services manager, Oulu University Hospital, Northern Ostrobothnia Hospital district

12.45–13.00 Break

13.00–14.00 Northern Finland Birth Cohorts, opportunities and challenges in research
   **Minna Ruddock**, research director, Infrastructure for Population Studies, Northern Finland Birth Cohorts, Faculty of Medicine, University of Oulu

14.00–14.15 Coffee break

14.15–16.15 Combining register data with data from population, cohort and other types of studies
   **Eero Kajantie**, professor, PEDEGO Research Unit, research manager, THL

16.15–16.20 Closing of the course
The goals of the course and learning outcomes:

Upon completion of the course, the PhD student is able: 1) to identify the principles of the utilization of register data and operational data from service providers (e.g. hospitals, health centers) in research and 2) to discuss legal, ethical and methodological issues related to the register and operational data-based research.

ECTS study credits:

1) 5.0 ECTS: preliminary reading, lectures and protocol as an independent work (an individual learning assignment), active participation (minimum 80%) in lectures

or

2) 1.0 ECTS: preliminary reading, lectures, active participation (minimum 80%) in lectures

An individual learning assignment (includes for 5.0 ECTS): Plan a registered-based protocol or research using operational data from one or more service providers (e.g. hospitals, health centers). Assessment: Pass/Fail.

The type of course and learning methods:

Preliminary reading of the learning materials, cross-disciplinary expert lectures (intensive and interactive lectures, practical examples), individual learning assignment: preparation of a research protocol for the research based on registers and/or operational data from some service provider.

Teaching language:

Lectures are held in Finnish, conversation in English or Finnish, preliminary reading of the learning materials mainly in English, the individual learning assignment in English or Finnish