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## Clinical Trials and Survival Analysis

Spring 2012

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**Credits:** 6 (3+3) ECTS

**Content:** The course consists of two parts, Statistical methods in Clinical Trials and Analysis of Survival Data. Each part consists of ten lectures and one computer based practical session. Each lecture will last about 50 minutes, with a short break between lectures. Full printed lecture notes will be provided for Clinical Trials and for Survival Data.

**Topics covered:**

***Statistical methods in Clinical Trials***

- Introduction
- Background and Basic Concepts
- Basic Trial Analysis
- Randomization
- Protocol Deviations
- Size of the Trial
- Multiplicity and interim analysis
- Crossover trials
- Combination of trials
- Binary response Data

***Analysis of Survival Data***

- Introduction
- Background and Basic Concepts
- Single Sample Models
- Two-Sample Comparisons
- Regression Models

**Modes of Study:** Lectures and practicals.

**Teaching Methods:** Lectures and practicals.

**Evaluation:** Assessment of both parts of the course is by 'take-home' examinations.

**Lecturer:** Dr. Nick Fieller, University of Sheffield, UK

**Coordinator:** Lecturer Heini Huhtala (heini.huhtala@uta.fi)

**Language of Instruction:** English

**Minimum amount of credits:** 3 ECTS

**Level:** Postgraduate studies / Doctoral studies / Master level advanced studies

**Limited access:** Maximum 30 students of epidemiology, public health, medicine or related fields.

Also available for exchange with the suitable educational background.

**Time:** 16.-27.4.2012

**Place:** School of Health Sciences, University of Tampere (T-building)

**Enrolment** Registration through www-registration form

<https://elomake3.uta.fi/lomakkeet/7202/lomake.html> at the latest 10.4.2012.

**Web page** <https://learning.uta.fi> (for enrolled students)



## Schedule

### Clinical Trials

	Date	Time	Place
Monday	16 April	12-14	Ylähyly
Tuesday	17 April	10-12	Ylähyly
Wednesday	18 April	12-14	Ylähyly
Thursday	19 April	10-12	RH-1
Friday	20 April	10-12	Computer class 72, T-building
Friday	20 April	12-14	Ylähyly

### Analysis of Survival Data

Monday	23 April	12-14	Ylähyly
Tuesday	24 April	10-12	Ylähyly
Wednesday	25 April	10-12	Computer class 72, T-building
Wednesday	25 April	12-14	RH-1
Thursday	26 April	10-12	Ylähyly
Friday	27 April	10-12	Computer class 71, Arvo-building
Friday	27 April	12-14	Ylähyly