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## SHORT COURSE IN CLINICAL AND EPIDEMIOLOGIC RESEARCH

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**Basic Course** : Basic Principles in Epidemiology and  
Statistical Analysis using STATA

**Date** : 20 – 24 July 2009 (Monday to Friday)

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**Organised by:**

Department of Epidemiology and Public Health  
Yong Loo Lin School of Medicine  
National University of Singapore

*A member of National University Health System*

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## COURSE OBJECTIVES

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This course is designed to present the basic principles of epidemiology and statistical analysis to clinicians and medical researchers who are interested in conducting clinical and epidemiological studies as well as data analysis. No prior knowledge in epidemiology and statistics is required. The emphasis will be on the understanding and the application of concepts and methods rather than on mathematical computation of statistics. **Participants will learn to use STATA for analysis and receive a single license each for the installation of the software into personal computers.**

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## COURSE CONTENT

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### Basic Principles in Epidemiology and Statistical Analysis using STATA

**20 – 24 July 2009 (Monday – Friday: 9am – 5pm)**

- Lectures will cover the following topics:
  - (1) Understanding study methodology and designs in epidemiology
  - (2) Understanding basic statistical concepts, including hypothesis testing, effect estimation and use of the appropriate tests of significance
  - (3) Understanding the concepts of confounding and bias in epidemiologic studies
- Small group tutorials and practical sessions will focus on data analysis using STATA 10.0 (Windows Version).

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## STATA

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STATA is a general-purpose statistical software package which is used by many businesses and academic institutions around the world. It is widely used for research and teaching in epidemiology. This course teaches the STATA 10.0 (Windows Version) and does not require any prior knowledge in this software. **The course fee includes a single, perpetual license for the installation of the software into personal computers so that participants can own and use the software for future work.**

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## TEACHING FACULTY

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The course will be taught by academic staff members of the Department of Epidemiology & Public Health, and guest lecturers who are epidemiologists, statisticians or researchers with extensive research and teaching experience in the discipline.

Department of Epidemiology & Public Health, National University of Singapore:

- Dr Chia Sin Eng, Associate Professor
- Dr. David Koh, Professor
- Dr. Gerald Koh, Assistant Professor
- Dr. Koh Woon Puay, Associate Professor
- Dr. Agus Salim, Assistant Processor
- Dr. Saw Seang Mei, Associate Professor
- Dr. Adeline Seow, Associate Professor
- Dr. Tai Bee Choo, Associate Professor

From external organisations:

- Dr. Goh Boon Cher, Adjunct Senior Research Fellow, Department of Pharmacology, National University of Singapore and Senior Consultant, Department of Haematology-Oncology, National University Hospital
- Dr. Tan Say Beng, Director of Operations, Singapore Clinical Research Institute (SCRI)
- Ms. Wong Hwee Bee, Senior Biostatistician (Health Services Research), Health Services Research and Evaluation Division, Ministry of Health

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## COURSE FEES

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### **S\$1,400 (Including 7% GST)**

Course fees include lecture materials, computer lab usage, morning and afternoon coffee breaks and end-of-course lunch, **and a single license for the installation of STATA into personal computers.**

Applications are on a “first - come - first - serve” basis. Successful applicants will be informed by 22<sup>nd</sup> June 2009 and course fees must be received by 20<sup>th</sup> June 2009 to secure a place.

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## CANCELLATION CLAUSE

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- Any cancellation must be conveyed to the course administrator in writing via email.
- A cancellation charge of 50% of fee will be levied if the cancellation is received before 6<sup>th</sup> July 2009.
- The organiser reserves the right to cancel the course and fully refund the fee in the event of unforeseen circumstances.
- **NO REFUNDS WILL BE GIVEN ON OR AFTER 6<sup>th</sup> July 2009**

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## ACCOMMODATION

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The course is non-residential. Participants from abroad who need accommodation may contact the course administrative coordinator (Ms Moira Soh) who will assist you with further information and booking for hotel or campus hostel accommodation.

*Further enquiries may be directed to:*

Administrative coordinator: Ms Moira Soh  
Tel: 6516 4959      Email: [cofsm@nus.edu.sg](mailto:cofsm@nus.edu.sg)

Course coordinator: Assoc Prof Koh Woon Puay  
Tel: 6516 4975      Email: [cofkwp@nus.edu.sg](mailto:cofkwp@nus.edu.sg)

Website: [www.med.nus.edu.sg/cof/sc\\_main.html](http://www.med.nus.edu.sg/cof/sc_main.html)

# SHORT COURSE IN CLINICAL AND EPIDEMIOLOGIC RESEARCH

REGISTRATION FORM (Basic Course) - Closing date: 20<sup>th</sup> June 2009

Name: Prof / Dr / Mr / Mrs / Ms : \_\_\_\_\_

MCR No.: (For Medical Doctor Only) \_\_\_\_\_

Designation: \_\_\_\_\_

Organisation: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Mobile : \_\_\_\_\_

Fax: \_\_\_\_\_ Email: \_\_\_\_\_

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**Course Fee: S\$1,400.00** (inclusive of 7% GST)

Total: S\$1,400.00 Cheque No: \_\_\_\_\_  
(Cheques should be crossed and made payable to "National University of Singapore")

## **Billing Information**

*Please note that the billing information cannot be changed once the invoice is generated.*

**Payment by (please tick one):**     Self             Employer\*

## **\*For payment by Employer only**

Please fill in Contact person details. **An official letter from the participant's employer stating approval of employee's participation and sponsorship of course fee must be attached with this form for billing purposes.**

Contact Person: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Company Name: \_\_\_\_\_

Billing Address: \_\_\_\_\_

*I hereby declare I have taken notice of the payment and cancellation policies outlined.*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Please mail this form with payment or Letter of Sponsorship (only for payment of course fee by Employer) enclosed to:

**The Course Coordinator**  
**Short Course in Clinical and Epidemiologic Research 2009**  
**Department of Epidemiology and Public Health (MD3)**  
**National University of Singapore**  
**16 Medical Drive**  
**Singapore 117597**

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*For official use:*

Date received: \_\_\_\_\_

Payment received: Yes / No (Remarks: \_\_\_\_\_)

Date acknowledged: \_\_\_\_\_