**Statistics teaching within UK degree programmes in Medicine and allied health sciences, including through undergraduate and postgraduate entry schemes and intercalation**

Note. This particular form is not for inclusion of details of statistical teaching in Masters and PhD programmes.

Institution : King's College London

Overview: **Our Stats group provides a range of undergraduate and post-graduate lectures and tutorials in medical statistics and clinical epidemiology, including MBBS1, MBBS2, and taught Masters level programmes.**

Type of undergraduate students:

Medical  Dental  Biology

Mathematics  Other  (please state: MPH)

Estimated total number of students: Varies from 450 in MBB1 to 50 in MPH, per group when separated : 15 for small group teaching

Academic years where medical statistics is taught: MMBS1, MBBS2, MPH and MRes.

No. estimated hours per academic year:

**Please add fields to the table below, where necessary, to reflect missing subjects. This can easily be achieved by right-clicking in the last row and choosing the option ‘insert’ to insert individual rows. You can in turn copy-paste the content from an existing row and edit the subject name to suit your purposes.**

|  |  |  |  |
| --- | --- | --- | --- |
| Subject | Concept | Calculations/equations\* | Descriptions/comments |
| Types of variable |  |  |  |
| Distributions |  |  | Normal/skewed |
| Summary Statistics |  |  |  |
| Concepts of population and sample |  |  |  |
| Confidence intervals |  |  |  |
| Hypothesis testing, p-values |  |  |  |
| Comparing two means |  |  |  |
| Comparing two proportions |  |  |  |
| Linear regression |  |  |  |
| Logistic regression |  |  |  |
| Graphs |  |  |  |
| Survival analysis |  |  | Post-graduate |
| Multivariate analysis |  |  | Post-graduate |
| Critical appraisal |  |  | MRes and MPH |
| Diagnostic tests |  |  | MRes and MPH |
| Meta-analysis |  |  | MBBS2/MPH |
| Randomised controlled trials |  |  | MBBS2/MPH |

\*If applicable.

Assessment details: **At the end of the course or phase. The examination is designed to test students’ ability to apply and interpret statistics. There is also a written coursework report which counts towards end of course exams.**

Computer package used:

Stata  SPSS  StatsDirect  S-plus  R

NCSS  Matlab  Other , please state which :

Recommended literature :

1. **Janet Peacock & Philip Peacock. The Oxford Handbook of Medical Statistics. Oxford University Press. 2010**

*Contact*

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*Contact - tutors*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Department | Email | Address | Telephone Number |
| Prof. Janet Peacock | Public Health Sciences |  |  |  |
| Prof. Toby Prevost | Public Health Sciences |  |  |  |
| Dr. Victoria Cornelius | Public Health Sciences |  |  |  |
| Dr. Salma Ayis | Public Health Sciences |  |  |  |
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Other comments:

Information last up to date: 01/05/2013

Please return to Margaret MacDougall at Margaret.MacDougall@ed.ac.uk