**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 : Hull and York Medical School

Overview: The HYMS course is Problem-based learning. The majority of statistics is taught in the first year through a combination of plenary lectures, use of computer-assisted learning packages, and problem-based learning through virtual patients senarios. At the end of the year students are examined.

Type of undergraduate students:

Medical [x]  Dental [ ]  Biology[ ]

Mathematics [ ]  Other [ ]  (please state:      )

Estimated total number of students: 120, per group when separated :

Academic years where medical statistics is taught: Year 1

No. estimated hours per academic year:  40 hours

**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.**

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| --- | --- | --- | --- |
| Subject | Concept | Calculations/equations\* | Descriptions/comments |
| Types of variable | [x]  | [ ]  |       |
| Distributions | [x]  | [ ]  |       |
| Summary Statistics | [x]  | [ ]  |       |
| Concepts of population and sample | [x]  | [ ]  |       |
| Confidence intervals | [x]  | [ ]  |       |
| Hypothesis testing, p-values | [x]  | [ ]  |       |
| Comparing two means | [x]  | [ ]  |       |
| Comparing two proportions | [x]  | [ ]  |       |
| Linear regression | [x]  | [ ]  |       |
| Logistic regression | [x]  | [ ]  |       |
| Graphs | [ ]  | [ ]  |       |
| Survival analysis | [ ]  | [ ]  |       |
| Multivariate analysis | [ ]  | [ ]  |       |
| Critical appraisal | [x]  | [ ]  |       |
| Study design | [x]  | [ ]  |       |
| Risk | [x]  | [ ]  |       |
| Other (please state) | [ ]  | [ ]  |       |

\*If applicable.

Assessment details:End of year examination

Computer package used:

Stata [ ]  SPSS [ ]  StatsDirect [ ]  S-plus [ ]  R [ ]

NCSS [ ]  Matlab [ ]  Other [ ] , please state which :

Recommended literature :

*Contact - administration*

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*Contact - tutors*

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Other comments:

Information last up to date: 09/06/2016

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