**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  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 |  |  |  |
| Distributions |  |  |  |
| 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 |  |  |  |
| Multivariate analysis |  |  |  |
| Critical appraisal |  |  |  |
| Study design |  |  |  |
| Risk |  |  |  |
| 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