

## Epidemiology and Statistics - Cancer Studies Dept.

### Module Overview

This module will introduce the student to the theory and practice of epidemiology and statistics. Theoretical concepts will be explained and used in a practical way throughout the course, via a series of worked examples and by critical appraisal of papers. Statistical methods of assessing data and protocol design will be addressed. The values of screening, risk factors associated with specific cancers and principles of statistical modelling will be discussed. Finally the value of epidemiological studies in the prevention of diseases such as cancer will be evaluated.

### Learning Outcomes

By the end of the module you should have the knowledge to critically appraise the epidemiological literature and understand causal factors.

### Credits

10 credits

### Module Attendance Required

1 block week of teaching

### Module Dates

2014/2015 dates

3-7 th Nov 2014

### Assessment

Exam

### Academics involved in the delivery of this module

**[Professor Ciaran Woodman \(/staff/profiles/cancer/woodman-ciaran.aspx\)](/staff/profiles/cancer/woodman-ciaran.aspx)** and **[Andrew Howman \(/staff/profiles/cancer/howman-andrew.aspx\)](/staff/profiles/cancer/howman-andrew.aspx)**

### Stand Alone Course

This module can be taken as a stand alone course if required.

Fee - £550

For further information please contact:

Programme Administrator  
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### Course fact file

**Type of Course:** Continuing professional development, module

### Contact

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