



LUND UNIVERSITY
Faculty of Medicine

COURSE SYLLABUS Reg. No M2011/951

Adopted by the NBMFU 25 May 2011
Valid from autumn semester 2011

Biomedical, Medical and Public Health
Training Board (NBMFU)

BIMA 61 Professional Development – From Hypothesis to Publication

1.5 credits First cycle

General Information

Main field
Biomedicine

Subject
Professional development

Type of course
The course is a compulsory component of semester 6 in the Bachelor's programme in Biomedicine.

Language of instruction
Swedish (or in English as required)

Learning Outcomes

Knowledge and learning

On completion of the course, students shall be able to

- account for the fundamental rules of publication ethics in terms that a fellow student can understand
- describe to a non-expert the system of peer-reviewing of research articles
- account in general terms for different forms of publication, copyright and open access
- account for the bibliometrical methods used for assessing the quality of publications.

Competence and skills

On completion of the course, students shall be able to

- critically review and provide oral feedback on (peer review) a manuscript of a research article

Adopted by the NBMFU 15 June 2011

Valid from autumn semester 2011

2

- independently judge and present a written report on the reliability and significance of a research article by using biomedical and bibliometrical knowledge
- independently apply fundamental rules of publications ethics and present the results in writing.

Judgement and approach

On completion of the course, students shall be able to

- reflect on the motivations for research and publication and their positive and negative implications.

Course Content

The course provides an introduction to publishing in the field of biomedical research. The areas covered include publication ethics, peer reviewing, publication rights, critical reviewing and bibliometrics.

Instruction and Examination

The course includes a number of lectures dealing with forms of publication, bibliometrics and publication ethics. On the basis of knowledge acquired, students work individually or in groups on a peer-review process that is to simulate an authentic process as closely as possible.

The students' critical review of research articles is examined orally in groups. The remaining learning outcomes are examined in a take-home exam.

Grades

The grades Pass or Fail are awarded on the course.

Admission Requirements

To be admitted to the course students must have passed Professional development 6 (BIMA60).

Literature

Hand-outs, electronic resources and chapter 4 of

Forsman, B. (2005). *Etik i biomedicinsk forskning - en orientering*. Lund: Studentlitteratur.