

## **THE TRAINING COMPONENT FOR THE RESEARCH TRAINING AT THE FACULTY OF MEDICINE AND DENTISTRY, UNIVERSITY OF BERGEN. GUIDELINES FOR CALCULATING COURSE CREDITS FOR THE PhD-DEGREE.**

*Approved by the Board of the Faculty of Medicine and Dentistry on 9 April 2008.*

Please see *Regulations for the doctoral degree philosophiae doctor (PhD) at the University of Bergen § 4.2 The training component.*

### Compulsory part:

- a. Basic course in medical and health related research (8 credits) comprises research theory, research ethics and research methods.
- b. Dissemination of academic information (6 credits) comprises teaching such as lectures, presentation of research results at congresses or seminars. A popular science contribution can also be approved.

Dissemination of academic information should be attested by main supervisor when applying for approval of the training component.

- c. For candidates whose research projects will involve the use of experimental animals, it is required that they have participated in a course in the use of animals in medical research, in accordance with current regulations issued by the Ministry of Agriculture.

### Elective part:

The remaining course credits are obtained by the candidate taking and passing research courses and / or other activities (see below). Such courses may be organised by the Faculty of Medicine, other faculties at the University of Bergen, or other Norwegian universities. In cases where subject specific training, or training related to field of research is arranged, this should be included in the plan for the training component.

Participation in courses that have not been assigned course credits, e.g. in other countries, may be approved on application to the Research Committee, which will assign an appropriate number of credits to them. Documentation describing the nature of the course involved and confirmation of the candidate's participation must be submitted.

In special cases, where suitable courses or other possibilities for training in the candidate's particular specialisation are not available, an individual reading list (special reading list) may also be approved on application. The description of the reading list must be sufficient to allow its content, level and scope to be evaluated. The examination will be held by the supervisor together with an external examiner appointed by the Research Committee.

In addition, the following can be included in the training component:

- Teaching received in the form of lectures, practical exercises, group work and participation in seminars. The teaching should be relevant for the candidate's research.
- Period of research at overseas or other Norwegian research institutions.
- Courses in imparting of knowledge / pedagogical teaching, for instance course in university pedagogic.
- Speciality in medicine or dentistry recognised in Norway.

The plan for the training component should be made in cooperation with main supervisor.

Exams or other parts of the planned training component that at the time of application for admission are more than five years old, may not be included in the training component. Recognition of speciality in medicine or dentistry as a part of the training component is exempted from the 5 years-rule. This also applies to the course in laboratory animal science.

For research courses offered at the Faculty of Medicine, please see the following web-page:  
<http://mofa.uib.no/Forskning/Forskerkurs/index.html>

For calculating number of credits, please see table below:

<b>Activity</b>	<b>ECTS Credits</b>	<b>Description</b>
Basic course in medical and health related research	8 credits	
Research courses	If the number of credits are not fixed in advance, research courses are given 0,15 credits pr. hour	
<i>Scientific communication:</i> Participation and presentation of research results in national congresses	1 credit pr. congress	Max. 3 credits can be obtained in this way. Different projects should be presented.
<i>Scientific communication:</i> Participation and presentation of research results in international congresses	2 credits pr. congress	Max. 6 credits can be obtained in this way. Different projects should be presented.
<i>Scientific communication:</i> Original lecture	1 credit	Max. 3 credits
<i>Scientific communication:</i> Popular science article / chronicle in the candidate's field of research, or scientific article not being part of the admission criteria or included in the dissertation	1 credit pr. article	Max. 2 credits
Study or research stay at overseas institution	1.5 credit pr. week, max. 6 credits	The stay should last at least for two weeks. Plan and reporting required.
Individual reading list	300 pages correspond to 1 credit. Alternatively, 1 week of estimated work (self-tuition) corresponds to 1,5 credits	Max. 10 credits can be obtained in this way (3000 pages). Application and examination required.
Scientific essay / text (15 – 25 pages) in connection with seminary / course	1 credit pr. essay	Max. 5 credits. Written assignment required.
Recognised speciality in medicine or dentistry	5 credits	Credits are obtained for one speciality only. For non-medical specialities, application is required.
<i>Scientific communication:</i> Research seminars	0,15 credit pr. hour	Max. 9 credits. Active participation in the seminars should be documented.
Other activities		By application

When applying for approval of the training component, a specific form should be used.