

Guide for completing the learning plan for postgraduate studies

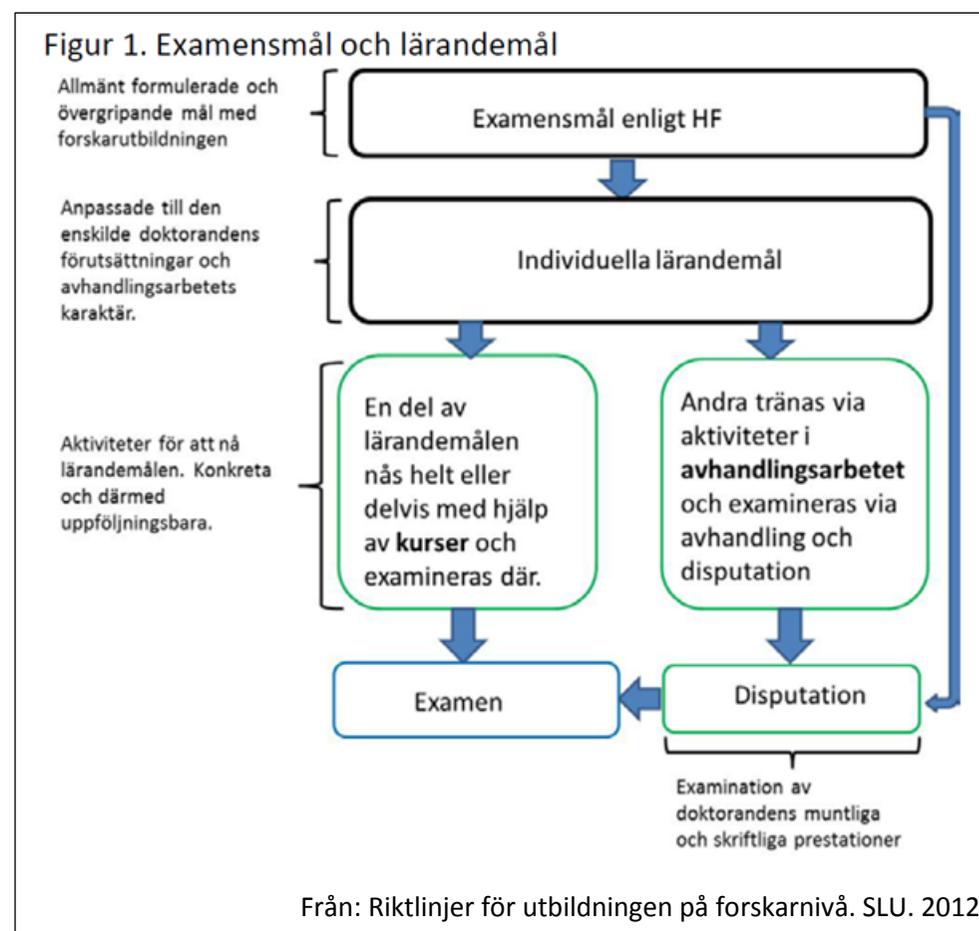
This guide gives tips and examples for completing in the annex *Learning plan for postgraduate studies* that should be appended to the individual study plan.

Individual learning objectives

The learning objectives for a doctoral degree that are defined by the Higher Education Ordinance should be concretized into individual learning objectives for the student (Figure 1). This is done by specifying them in relation to the research subject, the area of the thesis and the doctoral student's background. Such a concretization clarifies what the doctoral student should learn during the program and can thus be of great value for the realization of the education, planning of learning activities and assessment.

Note that several individual learning objectives may be defined for each degree objectives.

Below is an example of an individual learning objective, planned activities for attainment of objectives:



Learning objectives for doctoral degree (according to the Higher Education Ordinance)	Individual learning objectives	Activities to attain the objectives (Indicate completed activities with bold face text)
... demonstrate familiarity with research methodology in general and with the methods of the specific research area in particular		<p>Course: Research methods of relevance to occupational health sciences, 10 ECTS credits.</p> <p>Supervision of graduate student thesis work in the masters program for occupational health sciences.</p>
	<p>Demonstrate in-depth knowledge of statistical methods in epidemiology such as various forms of regression and survival analysis.</p>	<p>Courses:</p> <p><i>Methods for statistical analysis: From variance analysis to multilevel modeling, 3 hp. Karolinska institutet.</i></p> <p><i>Research methodology with biostatistics, 7,5 hp. Umeå universitet.</i></p> <p><i>Advanced biostatistics, logistic regression 1,5 hp. Umeå Universitet.</i></p>

Activities to fulfill the objectives

The right column in the table lists the activities planned for the PhD student to fulfill the objectives.

- At least one activity, but preferably several, should be described for each learning objectives for securing achievement of an objective.
- Please note that several of the learning objectives for a doctoral degree include a combination of various aspects of knowledge, skills etc. All combination of such aspects must be addressed with clearly described activities. Here it may be helpful to first break down such complex degree objectives to several different individual objectives.
- An activity for attainment must include a clear opportunity for assessment.
- Examples of when this requirement is met are: "Oral presentation at an international research conference" or "Postgraduate course in qualitative methods ..." because it is possible to verify that the doctoral student passed the requirement.
- Activities like "Discussions with supervisors" or "discussion in the college" does not meet this requirement because such description does not specify how the attainment of objectives can be verified.

You are most welcome to contact the directors of studies for postgraduate education for advice in the design of the learning plan.