

**Subject-specific Annex of Examination Regulation “Master of Science”  
for the Master-Study Course Industrial Pharmacy  
at Heinrich Heine University Düsseldorf**

**To § 2 clause 1: Study: Pre-requisites**

The required first job-qualifying graduation can be held in Pharmacy, Biology, Chemistry, or Process Engineering or in a closely related subject.

**To § 2 clause 3: Study: Learning targets**

Graduate’s academic and substantive profile comprises the research, development, manufacturing, quality control and administration of medicinal products, their characterization by chemical, physical, biological and theoretical methods and knowledge of the specific regulatory requirements in the pharmaceutical field.

**To § 3 clause 3: Structure of Master-Study Course Industrial Pharmacy**

The following table lists the modules to be accomplished in the study course. The applicable semester (FS) and credit points according to ECTS (LP) are provided. Weighing of the overall grade will be in line with the number of LPs in modules with evaluated examinations.

Module	FS	LP	Evaluation
Pharmaceutical Development	1	10	Yes
Pharmaceutical Manufacturing	2	10	Yes
Quality Control	2	10	Yes
Quality Management	3	4	Yes
Drug Regulatory Affairs	3	10	Yes
Optional compulsory modules	1-3	≥ 24	Yes
Elective modules	1-3	variable	Yes / No
Mastermodul	4	30	Yes

**Optional compulsory and elective modules**

The Module Handbook provides information on optional compulsory and elective modules, and which modules in which area may be selected. The most recent version of the Module Handbook is published on the websites of the department of Pharmacy. The accomplished grade of the module is weighed and included in the overall evaluation grade according to the number of LPs of the module.

**Master module**

The Master module comprises the Master thesis (26 LP) and seminar (4 LP). At the end of the study course the results of the accepted master thesis are to be defended in public and in front of the Examination Committee. The Examination Committee has three members, who are appointed by the head of the Examination Board, two members thereof should be examiners of the master thesis. The duration of the defense should not exceed 30 minutes, whereof 15 minutes are preserved for the presentation of the thesis by the student.

**To § 10 clause 10: Other forms of examination**

1. Seminar presentation

An independent oral presentation of a seminar contribution can be acknowledged as an examination. The responsible teacher provides the evaluation criteria prior to the seminar. Evaluation is finished within 4 weeks after giving the presentation.

2. Written report.

A written report is a written text in a module and is usually finished with a grade. The responsible teacher provides the evaluation criteria prior to the submission of the report. Evaluation of the written report is finished within 4 weeks after submission.

**To § 16: Master thesis**

to clause 3: Application

The application for admittance and the topic of the master module may not be performed before 75 LPs (note: the current annex requires 90 LPs, but this number is going to be changed into 75 LPs before start of the master thesis) have been accomplished.

to clause 9: Processing time, scope and submission

The master thesis has to be submitted at the latest 6 months after the edition of the topic.

In singular events the Examination Board may prolong the processing time by maximum 4 weeks based on a justified request. The request for prolongation must be submitted 2 weeks before the regular deadline at the latest.

Topic and tasks of the master thesis must be designed and planned for a processing time of 780 h (equals 26 LPs).

**To § 17 clause 3: Evaluation of the master thesis**

The evaluation of the master thesis and its defense can be summarized in an overall grade by a single review by the examiner.

**To § 25 clause 1: Conversion date of validity**

Conversion date of validity according to § 25 clause 1 is July 09, 2018.