

# Anhang I der Richtlinien für die Erlangung der Fachanerkennung SGSMP für Medizinische Physik

## Ausbildungsrichtlinien

### Guidelines for the requirements regarding Bachelor and Master Degrees for the admission to the certification process "Medical Physicist (SSRMP)"

#### 1. Introduction

In the context of the Bologna process Bachelor and Master Degrees were introduced at the University level. This document is meant as a guideline for the Certification Commission to qualify Bachelor and Master programs, according to the physics specific qualifications necessary for Medical Physicists.

#### 2. Requirements for the Bachelor degree

The Bachelor program should last at least 6 semesters. The following topics should be included in the Bachelor program:

- Mechanics
- Electrodynamics and Optics
- Thermodynamics and Statistics
- Atomic and Molecular Physics
- Condensed Matter Physics
- Nuclear and particle Physics
- Quantum Mechanics

Credit points should be distributed according to the following guideline values:

Lectures / Exercises in Experimental physics	30 – 40 ECTS
Lectures / Exercises Theoretical physics	30 – 40 ECTS
Lectures / Exercises Mathematics	30 – 40 ECTS
Experimental work	20 – 40 ECTS
Optional subjects (lectures / exercises)	30 – 40 ECTS
Bachelor thesis	10 – 20 ECTS
TOTAL min.	180 ECTS

### 3. Requirements for the Master degree

The Master program should last at least 3 semesters. Lectures with particular emphasis depending on the scientific profile of the University may be chosen.

Credit points should be distributed according to the following guideline values:

Lectures/Exercises in Experimental and Theoretical Physics 10 – 20 ECTS

Optional Physics related subjects 20 – 25 ECTS

Credit points during the research phase:

Introductory lectures 20 – 25 ECTS

Master thesis 30 ECTS

TOTAL min. 90 ECTS

### 4. Further considerations

- a) Study profiles with minor deviations should be comparable to the requirements listed above.
- b) A B.Sc. gained in less than 6 semesters may be considered equivalent on an individual assessment, if compensated by a longer M.Sc. course.
- c) Other physics degrees, such as Diploma or Laurea should be comparable to the combined Bachelor and Master requirements.

ECTS European Credit Transfer and Accumulation System

Der Vorstand der SGSMP, 13.11.2015