

## DESCRIPTION OF THE COURSE OF STUDY FOR EXCHANGE STUDENTS

<b>Name of the course in</b>	English	<b>Introduction to the standard model of particle physics</b>
	Polish	<b>Model standardowy cząstek elementarnych: wstęp</b>

### 1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

<b>1.1 Field of study</b>	<b>physics</b>
<b>1.2 Level of study</b>	<b>2<sup>nd</sup> degree</b>

### 2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

<b>2.1 Language of instruction</b>	<b>English</b>
<b>2.2 Semesters in which the course of study is offered</b>	<b>Fall</b>
<b>2.3 ECTS credits</b>	<b>2</b>

### 3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

<b>3.1. Form of classes</b>	<b>30 hrs of lectures</b>
<b>3.2. Form of assessment</b>	<b>homework</b>

### 4. OBJECTIVES, SYLLABUS CONTENT

<p><b>4.1. Course objectives</b></p> <p><b>C1 – Description of the most important features and formalism of relativistic particle physics.</b></p> <p><b>C2 - Understanding the physical tools related to relativistic particle physics</b></p> <p><b>C3 – Developing skills to solve exercises related to relativistic particle physics</b></p>
<p><b>4.2. Description of the Standard Model of particle physics: the Higgs particle and its decays, properties of the strong and the weak interactions.</b></p>