

DESCRIPTION OF THE COURSE OF STUDY FOR EXCHANGE STUDENTS

Name of the course in	English	Atomic physics
	Polish	Fizyka atomowa

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

1.1 Field of study	physics
1.2 Level of study	2nd degree

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1 Language of instruction	English
2.2 Semesters in which the course of study is offered	Fall
2.3 ECTS credits	3

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	30 hrs of lectures
3.2. Form of assessment	homework

4. OBJECTIVES, SYLLABUS CONTENT

<p>4.1. Course objectives</p> <p>C1 – Knowledge of selected topics in atomic physics</p> <p>C2 – Experimental atomic physics</p>
<p>4.2. Detailed syllabus: multielectron atoms, highly charged ions, QED effects, Rydberg atoms, atomic collisions, radiation of atoms</p>