

**Modules:**

physics700 **Elective Advanced Lectures**  
 physics710 **Experimental Physics**

**Course:**

## **Intensive Week: Advanced Topics in Photonics and Quantum Optics (E)**

**Course No.:** physics737

Category	Type	Language	Teaching hours	CP	Semester
Elective	Combined lecture, seminar, lab course	English	3	4	WT/ST

**Requirements:****Preparation:**

Fundamentals of optics, fundamentals of quantum mechanics

**Form of Testing and Examination:**

Seminar or oral examination

**Length of Course:**

1 - 2 weeks

**Aims of the Course:**

The intensive course will convey the basics of a recent topic in photonics or quantum optics in theory and experiments. Guided by a combination of lectures, seminar talks (based on original publications) and practical training, the participants will gain insight into recent developments in photonics/quantum optics.

**Contents of the Course:**

Will be given in the bulletin of lectures. The main theme will vary from term to term

**Recommended Literature:**

Will be given in the lecture