

<b>Module:</b>	<b>Elective Advanced Lectures: Experimental Physics</b>
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Module No.: physics70a

**Course:**  universität**bonn**

**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	2	3	WT/ST

**Requirements for Participation:**

**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