**Level:** PhD

**Course title:** Trends in Chemical Sensors (DSH-616)

**Status:** Elective

**ECTS:** 15

**Requirements:** None

**Learning objectives**
The aim of the course is that students who have knowledge in chemical, especially instrumental analysis, biochemistry, and electrochemistry, learn the principles of operation of the sensor in chemistry, their preparation, and their application for different target analytes.

**Learning outcomes**
Mastered the necessary knowledge of the principles of operation of the sensor in chemistry, their preparation, as well as aspects of their application to different targets.

**Syllabus**

*Theoretical instruction*

*Practical instruction*
Seminars and practical work appropriate to lectures.

**Weekly teaching load**

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<th>Lectures:</th>
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