

Title <b>Introduction to electromagnetic compatibility</b>	Code <b>10103212710103201269</b>
Field <b>Electrical engineering</b>	Year / Semester <b>4 / 7</b>
Specialty <b>Electric and Computer Systems of Industry and Vehicles</b>	Course <b>core</b>
Hours Lectures: -    Classes: -    Laboratory: -    Projects / seminars: <b>1</b>	Number of credits <b>2</b>
Language <b>polish</b>	

**Lecturer:**

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**Status of the course in the study program:**

Obligatory subject, Faculty of Electrical Engineering, Field: Electrical Engineering, Profile: Electric and Computer Systems of Industry and Vehicles, Full time undergraduate studies.

**Assumptions and objectives of the course:**

Come to know of theoretical and practical problems about electromagnetic compatibility.

**Contents of the course (course description):**

Recognition of theoretical and practical problems related to interaction of electromagnetic fields with biological objects, inclusive of compatibility of technological objects and equipment, with particular regard to automotive vehicles.

Interaction of electromagnetic fields with biological objects. Electromagnetism in labour and environment protection. Electromagnetic field measurements. Electromagnetic compatibility in the automotive industry. Current standard-legal condition in the sphere of electromagnetic compatibility of technological equipment and devices. The ways leading to obtaining the CE Certificate. Technical aspects of compatibility studies.

**Introductory courses and the required pre-knowledge:**

Basic knowledge in the sphere of electrical engineering, electronics and the theory of fields.

**Courses form and teaching methods:**

Projects.

**Form and terms of complete the course - requirements and assessment methods:**

Technical elaboration.

**Basic Bibliography:**

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**Additional Bibliography:**

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