

Title Electrothermal processes	Code 10103222310103201141
Field Electrical engineering	Year / Semester 2 / 3
Specialty Lighting engineering	Course core
Hours Lectures: 1 Classes: - Laboratory: 1 Projects / seminars: -	Number of credits 3
	Language polish

Lecturer:

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Status of the course in the study program:

Obligatory course of the study program in Electrical Engineering Faculty for full time graduate studies, specjalty ? Lighting Engineering

Assumptions and objectives of the course:

The student should obtain knowledge in the field of electrical heating and heat transfer in different parts of lighting equipment.

Contents of the course (course description):

Electrical heating and heat transfer in lighting engineering. The problems of the electric heat losses in designs of luminaires. Incandescent and luminescent sources for optical radiation using in heating and lighting. Energetic balance of lamps. Radiate heat transfer. Pyrometry and thermometry.

Introductory courses and the required pre-knowledge:

Basic knowledge of physics and electrical engineering

Courses form and teaching methods:

Lectures

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

Examination

Basic Bibliography:

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Additional Bibliography:

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