

DESCRIPTION OF THE COURSES

- Course code: 2310
- Course title: Computer systems for aided design in electrical engineering.
- Language of the lecturer: english

<i>Course form</i>	<i>Lecture</i>	<i>Classes</i>	<i>Laboratory</i>	<i>Project</i>	<i>Seminar</i>
<i>Number of hours/week*</i>	<i>1</i>		<i>1</i>		
<i>Number of hours/semester*</i>	<i>15</i>		<i>15</i>		
<i>Form of the course completion</i>	<i>credit</i>		<i>credit</i>		
<i>ECTS credits</i>	<i>1</i>		<i>1</i>		
<i>Total Student's Workload</i>	<i>30</i>		<i>30</i>		

- Level of the course (basic/advanced): basic
- Prerequisites: Electrical devices - lecture and project.
- Name, first name and degree of the lecturer/supervisor: Kazimierz Herlender PhD
- Names, first names and degrees of the team's members:
Henryk Markiewicz prof.
Antoni Klajn PhD
Waldemar Dołęga PhD
Mirosław Kobusiński MSc
- Year: 6 Semester: 3
- Type of the course (obligatory/optional): optional
- Aims of the course (effects of the course): the course concerns the theoretical bases and the practical design the plans of installations and automating and controlling systems with the software of the CAD/CAE type must be used.
- Form of the teaching (traditional/e-learning): traditional
- Course description: the course concerns the theoretical bases and the practical design the plans of installations and automating and controlling systems the software of the CAD/CAE type must be used.
- Lecture:

<i>Particular lectures contents</i>	<i>Number of hours</i>
<i>1. The plans of electrical installations – introduction</i>	<i>1,5</i>
<i>2. The plans of electrical installations – theoretical bases part 1</i>	<i>1,5</i>
<i>3. The plans of electrical installations – theoretical bases part 2</i>	<i>1,5</i>
<i>4. The plans of electrical installations – software CAD/CAE</i>	<i>1,5</i>
<i>5. Automating and controlling systems design – introduction</i>	<i>1,5</i>
<i>6. Automating and controlling systems design – theoretical bases part 1</i>	<i>1,5</i>
<i>7. Automating and controlling systems design – theoretical bases part 2</i>	<i>1,5</i>
<i>8. Automating and controlling systems design – theoretical bases part 3</i>	<i>1,5</i>
<i>9. Automating and controlling systems design – software CAD/CAE part 1</i>	<i>1,5</i>
<i>10. Automating and controlling systems design – software CAD/CAE part 2</i>	<i>1,5</i>

- Classes – the contents:

- Seminars – the contents:
- Laboratory – the contents:

<i>Particular laboratory contents</i>	<i>Number of hours</i>
<i>1. The plans of electrical installations – part 1</i>	<i>1,5</i>
<i>2. The plans of electrical installations – part 2</i>	<i>1,5</i>
<i>3. The plans of electrical installations – part 3</i>	<i>1,5</i>
<i>4. The plans of electrical installations – part 4</i>	<i>1,5</i>
<i>5. Automating and controlling systems design – part 1</i>	<i>1,5</i>
<i>6. Automating and controlling systems design – part 2</i>	<i>1,5</i>
<i>7. Automating and controlling systems design – part 3</i>	<i>1,5</i>
<i>8. Automating and controlling systems design – part 4</i>	<i>1,5</i>
<i>9. Automating and controlling systems design – part 5</i>	<i>1,5</i>
<i>10. Automating and controlling systems design – part 6</i>	<i>1,5</i>

- Project – the contents:
- Basic literature:
 - 1) Markiewicz H.: Electrical installations, WNT Warszawa.
 - 2) Delivered by teacher materials.
- Additional literature:
 - 1) Trade periodicals: Elektroinstalator, Elektro Info.
- Conditions of the course acceptance/creditation: the presence on lectures and laboratories, the positive credit of individual projects.

* - depending on a system of studies