

## Diploma Seminar Programme - preliminary

1. Introduction: 2025-03-6  
In the consecutive terms:
2. Initial presentation of diploma Projects – all participants - 2025-03-13

### Discussions on questions for the Final Exam

#### I General Questions: for both spec.

		date	author
Q. 1	Numerical and optimization methods	2025-03-20	Michał Ch.
Q. 2	Power system faults	2025-03-20	Michał Cy.
Q. 3	Dynamics and control of AC/DC drives	2025-03-20	Kamil
Q. 4	Circuits and systems	2025-03-27	Michał Ch.
Q. 5	Measurement methods and techniques	2025-03-27	Michał Cy.
Q. 6	Power quality assessment	2025-03-27	Kamil
Q. 8/7	Advanced technology in electrical power generation	2025-04-03	Michał Ch.
Q. 14/10	Simulation and analysis of power system transients	2025-04-03	Krzysztof
Q. 11/13	Renewable energy sources	2025-04-03	Kamil
Q. 16	Electromagnetic compatibility	2025-04-10	Krzysztof
Q. 18/17	Artificial intelligence techniques	2025-04-10	Kamil

#### II Questions for CEP

Q. 8 -	Electrical power system operation and control	2025-05-08	Kamil
Q. 9 -	Power system protection a), b)	2025-04-24	Kamil
Q. 9 -	Power system protection c), d)	2025-04-24	Michał Cy.
Q. 11 -	Digital signal processing for protection and control	2025-05-08	Kamil
Q. 12 -	Fiber optics communication and sensors	2025-05-22	Michał Cy.
Q. 14 -	Electrical power systems management a), b)	2025-05-29	Michał Cy.
Q. 14 -	Electrical power systems management c), d)	2025-05-29	Kamil
Q. 15 -	Power system automation and security a), b)	2025-06-05	Kamil
Q. 15 -	Power system automation and security c), d)	2025-06-05	Michał Cy.
Q. 18 -	Advanced high voltage technology a), b)	2025-06-09	Kamil
Q. 18 -	Advanced high voltage technology c), d)	2025-06-09	Michał Cy.

#### III Questions for RES

Q. 7	Power electronics	2025-04-10	Michał Ch.
Q. 9	Protection and control of distributed energy sources	2025-04-24	Michał Ch.
Q.10	Water power plants	2025-05-08	Michał Ch.
Q. 12	Integration of distributed resources in power systems	2025-05-22	Michał Ch.
Q. 13	Electromechanical systems in renewable energy	2025-05-29	Michał Ch.
Q. 15	Photovoltaic cells	2025-06-05	Michał Ch.
Q. 17	Energy storage systems	2025-06-09	Michał Ch.

#### IV Diploma project: final presentation

1.	2025-06-12	Michał Ch., Michał Cy., Kamil, Krzysztof
2.	2025-06-25	Michał Ch., Michał Cy., Kamil, Krzysztof
3. reserve, final	2025-06-26	Michał Ch., Michał Cy., Kamil, Krzysztof

Any comments, discussion? [eugeniusz.rosolowski@pwr.edu.pl](mailto:eugeniusz.rosolowski@pwr.edu.pl)