



| L.p. | Nazwa przedmiotu   | Ogólnie |      |         |    |     | Semestr I |     |    |    |    | Semestr II |     |    |    |   | Semestr III |     |   |    |    | Semestr IV |     |   |    |    |      |  |
|------|--|---------|------|---------|----|-----|-----------|-----|----|----|----|------------|-----|----|----|---|-------------|-----|---|----|----|------------|-----|---|----|----|------|--|
|      |  | E       | O    | W       | C  | L   | P         | W   | C  | L  | P  | E          | W   | C  | L  | P | E           | W   | C | L  | P  | E          | W   | C | L  | P  | E    |  |
| 1    | Metody numeryczne w elektroenergetyce                                    |         | 20   | 10      |    | 10  |           | 10  |    | 10 |    | 2          |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 2    | Elektrownie i elektrociepłownie  | 1       | 50   | 20      | 10 | 20  |           | 20  | 10 | 20 |    | 5          |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 3    | Sterowanie i automatyka w systemie elektroenergetycznym                  | 1       | 50   | 20      |    | 20  | 10        | 20  |    | 20 | 10 | 5          |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 4    | Polityka energetyczna i regulacje prawne                                 |         | 10   | 10      |    |     |           | 10  |    |    |    | 1          |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 5    | Projektowanie sieci i urządzeń elektroenergetycznych                     |         | 40   | 20      |    |     | 20        | 20  |    |    | 20 | 4          |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 6    | Miernictwo w elektroenergetyce   |         | 20   | 10      |    | 10  |           | 10  |    | 10 |    | 2          |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 7    | Wybrane metody analizy obwodów elektrycznych                             |         | 30   | 10      | 10 |     | 10        | 10  |    | 10 | 3  |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 8    | Wybrane zagadnienia OZE  |         | 10   | 10      |    |     |           | 10  |    |    |    | 1          |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 9    | Język obcy   |         | 30   |         | 30 |     |           |     |    |    |    |            | 2   |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 10   | Statystyka w elektroenergetyce   |         | 20   | 10      |    | 10  |           |     |    |    |    |            | 2   |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 11   | Przedmiot humanistyczno-społeczny I                                      |         | 20   | 20      |    |     |           |     |    |    |    |            | 2   |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 12   | CAD w elektroenergetyce  |         | 20   |         |    | 20  |           |     |    |    |    |            | 2   |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 13   | Maszyny elektryczne  |         | 30   | 10      |    | 20  |           |     |    |    |    |            | 3   |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 14   | Gospodarka elektroenergetyczna   |         | 40   | 20      | 20 |     |           |     |    |    |    |            | 4   |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 15   | Diagnostyka urządzeń elektroenergetycznych                               | 1       | 40   | 20      |    | 20  |           |     |    |    |    |            | 4   |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 16   | Ochrona środowiska w elektroenergetyce                                   |         | 10   | 10      |    |     |           |     |    |    |    |            | 1   |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 17   | Profil obciążenia elektrycznego obiektów urbanistycznych i przemysłowych |         | 40   | 20      |    | 20  |           |     |    |    |    |            | 2   |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 18   | Przedmiot humanistyczno-społeczny II                                     |         | 20   | 20      |    |     |           |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 19   | Systemy instalacji elektrycznych w budynkach                             | 1       | 40   | 10      |    | 10  | 20        |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 20   | Systemy zasilania trakcji i pojazdów elektrycznych                       |         | 40   | 20      |    |     | 20        |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 21   | Problemy bezpieczeństwa energetycznego                                   |         | 20   | 10      |    |     | 10        |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 22   | Programowalne sterowniki logiczne i systemy SCADA                        |         | 40   | 20      |    | 20  |           |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 23   | Stacje wewnętrzne i rozdzielnice   |         | 30   | 10      |    | 10  | 10        |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 24   | Modelowanie instalacji budowlanych w technologii BIM                     |         | 30   | 10      |    | 20  |           |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 25   | Seminarium dyplomowe   |         | 20   |         |    |     | 20        |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 26   | Przedmiot humanistyczno-społeczny III                                    |         | 10   | 10      |    |     |           |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 27   | Podstawy energetyki wodorowej  |         | 20   | 10      |    |     | 10        |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 28   | Efektywność energetyczna   |         | 20   | 10      |    |     | 10        |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 29   | Systemy sterowania, zarządzania i nadzoru w budynkach                    | 1       | 40   | 20      |    | 20  |           |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
| 30   | Przygotowanie pracy dyplomowej   |         | 40   |         |    |     | 40        |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
|      |  | 5       |      | egzamin |    |     |           |     |    |    |    |            |     |    |    |   |             |     |   |    |    |            |     |   |    |    |      |  |
|      |  | ETCS    | GODZ | 370     | 70 | 230 | 180       | 110 | 20 | 60 | 40 | ETCS       | 100 | 50 | 80 | 0 | ETCS        | 110 | 0 | 50 | 70 | ETCS       | 50  | 0 | 40 | 70 | ETCS |  |
|      |  | 68      | 850  |         |    |     |           | 230 |    |    |    | 23         | 230 |    |    |   | 22          | 230 |   |    |    | 23         | 160 |   |    |    | 22   |  |

- Przedmiot humanistyczno-społeczny I:** 1. Negocjacje i umowy (sem. 2)  
2. Prawo gospodarcze (sem. 2)
- Przedmiot humanistyczno-społeczny II:** 1. Ekonomia w elektroenergetyce (sem. 3)  
2. Zarządzanie w small business (sem. 3)
- Przedmiot humanistyczno-społeczny III:** 1. Finanse (sem. 4)  
2. Zarządzanie czasem i ludźmi (sem. 4)