# PLAN STUDIÓW

Rodzaj studiów – **niestacjonarne I stopnia**

Kierunek : **ELEKTROTECHNIKA**

**Przedmioty wspólne dla kierunku**



**Politechnika Poznańska**
**Wydział Elektryczny**

| Lp | Nazwa modułu / przedmiotu | Liczby egz. | Razem | Ogólne liczby godzin w tym: wykłady | ćwiczenia | laboratoria | prace projekt. | Rozdział zajęć programowych na semestry: Semestr I | | | | | Semestr II | | | | | Semestr III | | | | | Semestr IV | | | | | Semestr V | | | | | Semestr VI | | | | | Semestr VII | | | | | Semestr VIII | | | | | Semestr IX | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Liczby godzin tygodniowo oraz liczba punktów ECTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | w | ć | l | p | w | ć | l | p | E | w | ć | l | p | E | w | ć | l | p | E | w | ć | l | p | E | w | ć | l | p | E | w | ć | l | p | E | w | ć | l | p | E | w | ć | l | p | E | w | ć | l | p | E |
| | **Przedmioty kształcenia ogólnego** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Język angielski | 1 | 105 | | 105 | | | | | | | | | | | | | | | | | | | 50 | | | 3 | E | 55 | | | 3 | | | | | | | | | | | | | | | | | | |
| 2 | Język obcy | | 15 | | 15 | | | | | | | | | | | | | | 15 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Bezpieczeństwo i higiena pracy | | 9 | 9 | | | | 9 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Przedmioty obieralne ekonomiczne | | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | | | | 2 | | | | | | | | | |
| 5 | Przedmioty obieralne humanistyczne | | 50 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | | | 4 | 20 | | | | 3 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **Przedmioty kształcenia podstawowego** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Informatyka | 1 | 90 | 60 | | 30 | | 16 | | | | 2 | 14 | | 15 | | 4 | 16 | | | | 2 | 14 | | 15 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Matematyka | 2 | 166 | 96 | 70 | | | 30 | 26 | | | 5 | 36 | 26 | | | 6 | 30 | 18 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Metody numeryczne | | 30 | 14 | | 16 | | | | | | | | | | | | | | | | | 14 | | 16 | | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Fizyka | 2 | 78 | 44 | 22 | 12 | | 22 | 12 | | | 5 | 22 | 10 | 12 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Inżynieria materiałowa | | 30 | 15 | | 15 | | | | | | | | | | | | 15 | | 15 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Geometria i grafika inżynierska | | 30 | 15 | | 15 | | | | | | | | | | | | 15 | | 15 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Wprowadzenie do telekomunikacji | | 21 | 14 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | | 7 | | 3 | | | | | | | | | |
| 13 | Podstawy techniki świetlnej | | 27 | 14 | | 13 | | | | | | | | | | | | | | | | | | | | | | 14 | | 13 | | 4 | | | | | | | | | | | | | | | | | |
| | i promieniowania optycznego | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Elektrodynamika techniczna | | 21 | 8 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | 13 | | 3 | | | | | |
| 15 | MO w zakresie Podstawy elektrotermii | | 21 | 8 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | 13 | | 4 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | *s u m a :* | 6 | 713 | 367 | 212 | 134 | | 77 | 38 | | | 13 | 72 | 36 | 27 | | 15 | 76 | 33 | 30 | | 14 | 28 | 50 | 31 | | 11 | 14 | 55 | 13 | | 7 | 30 | | | | 4 | 54 | | 7 | | 8 | 16 | | 26 | | 7 | | | | |
| | ***RAZEM :*** | | | Godzin tygodniowo: | | | | 115 | | | | | 135 | | | | | 139 | | | | | 109 | | | | | 82 | | | | | 30 | | | | | 61 | | | | | 42 | | | | | | | | |
| | | | | *Egzaminów :* | | | | 1 | | | | | 2 | | | | | 1 | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |

*Oznaczenia :*

– egzamin zaznaczono przy pomocy przyciemnienia pola wskazującego tygodniową liczbę godzin
– MO - moduł obieralny

*Uwagi :*

– zaliczenie wszystkich zajęć nie kończących się egzaminem – na podstawie bieżącej kontroli postępów w semestrze lub kolokwium końcowego.

Praktyki

| po sem. | czas praktyki | rodzaj praktyki |
|---|---|---|
| IV | 3 tyg. (4 ECTS) | ogólnotechniczna |
| VI | 3 tyg. (4 ECTS) | specjalnościowa |

Załącznik do pisma :

Obowiązuje od : **1 października 2012 r.**

Zmiany :

Zatwierdzenie :
**Rada Wydziału Elektrycznego**
Data : **19 czerwca 2012 r.**

DZIEKAN