

**Wydział Budownictwa i Architektury
POLITECHNIKA LUBELSKA**

**PLAN STUDIÓW STACJONARNYCH II STOPNIA
Kierunek: BUDOWNICTWO, Specjalność: Drogi i Mosty**

| SYMBOL | PRZEDMIOT | LICZBY GODZIN | | | | | ROZDZIAŁ ZAJĘĆ NA SEMESTRY | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---------------|------------|-----------|------------|------------|----------------------------|----------|----------|----------|-----------|-----------|-----------|----------|----------|-----------|-----------|-----------|----------|----------|----------|----------|-----|
| | | Razem | W | C | L | P | I | | | | | II | | | | | III | | | | | | |
| | | | | | | | W | C | L | P | pkt | W/C/L/P | W | C | L | P | pkt | W/C/L/P | W | C | L | P | pkt |
| Grupa treści podstawowych | | | | | | | | | | | | | | | | | | | | | | | |
| IIP1 | Matematyka zaawansowana | 30 | 15 | 15 | 0 | 0 | 1 | 1 | | | 2 | 1/1 | | | | | | | | | | | |
| IIP2 | Język obcy do wyboru E (po 2 sem.) | 90 | 0 | 0 | 90 | 0 | | | 3 | | 2 | 2 | | | 3 | | 2 | 2 | | | | | |
| IIP3a | Podstawy normalizacji | 30 | 30 | 0 | 0 | 0 | | | | | | | | | | | | | 2 | | | 2 | |
| IIP3b | Wprowadzenie na rynek pracy | | | | | | | | | | | | | | | | | | | | | 2 | |
| IIP4 | Wychowanie fizyczne (dyscyplina do wyboru) | 15 | 0 | 15 | 0 | 0 | | 1 | | | 1 | 1 | | | | | | | | | | | |
| Grupa treści kierunkowych | | | | | | | | | | | | | | | | | | | | | | | |
| IIK1 | Teoria sprężystości i plastyczności E | 60 | 30 | 30 | 0 | 0 | 2 | 2 | | | 3 | 2/1 | | | | | | | | | | | |
| IIK2 | Metody komputerowe E | 60 | 30 | 0 | 30 | 0 | 2 | | 2 | | 3 | 1/2 | | | | | | | | | | | |
| IIK3 | Złożone konstrukcje betonowe E | 45 | 30 | 0 | 0 | 15 | 2 | | | 1 | 3 | 1/2 | | | | | | | | | | | |
| IIK4 | Złożone konstrukcje metalowe E | 45 | 30 | 0 | 0 | 15 | 2 | | | 1 | 3 | 1/2 | | | | | | | | | | | |
| IIK5 | Zarządzanie w budownictwie E | 60 | 30 | 0 | 0 | 30 | | | | | | | | 2 | | 2 | 3 | 1/2 | | | | | |
| IIK6 | Chemia budowlana | 45 | 30 | 0 | 15 | 0 | | | | | | | | 2 | | 1 | | 3 | 1/2 | | | | |
| IIK7 | Kształtowanie architektoniczne i urbanistyczne w budownictwie | 30 | 30 | 0 | 0 | 0 | | | | | | | | | | | | | 2 | | | 1 | |
| Grupa treści specjalistycznych | | | | | | | | | | | | | | | | | | | | | | | |
| IISD1 | Fotogrametria | 30 | 15 | 0 | 15 | 0 | | | | | | | 1 | | 1 | | 2 | 1/1 | | | | | |
| IISD2 | Mosty betonowe E | 60 | 30 | 0 | 0 | 30 | 2 | | | 2 | 3 | 1/2 | | | | | | | | | | | |
| IISD3 | Mosty metalowe E | 60 | 30 | 0 | 0 | 30 | | | | | | | 2 | | 2 | 4 | 2/2 | | | | | | |
| IISD4 | Technologia i organiz. robót drog. E | 60 | 30 | 0 | 0 | 30 | | | | | | | 2 | | 2 | 4 | 2/2 | | | | | | |
| IISD5 | Inżynieria ruchu drogowego E | 60 | 30 | 0 | 0 | 30 | 2 | | | 2 | 3 | 1/2 | | | | | | | | | | | |
| IISD6 | Lotniska | 30 | 15 | 0 | 0 | 15 | | | | | | | 1 | | 1 | 2 | 1/1 | | | | | | |
| IISD7 | Nawierzchnie drogowe | 60 | 30 | 0 | 0 | 30 | 2 | | | 2 | 3 | 1/2 | | | | | | | | | | | |
| IISD8 | Drogi kolejowe | 30 | 15 | 0 | 0 | 15 | | | | | | | 1 | | 1 | 2 | 1/1 | | | | | | |
| IISD9 | Mechanika nawierzchni E | 45 | 15 | 0 | 0 | 30 | | | | | | | | | | | | | 1 | | 2 | 1/1 | |
| IISD10 | Wzmacnianie i remonty nawierzchni | 30 | 15 | 0 | 0 | 15 | | | | | | | | | | | | | 1 | | 1 | 1/1 | |
| IISD11 | Projektowanie dróg | 30 | 0 | 0 | 0 | 30 | | | | | | | | | 2 | 2 | 2 | | | | | | |
| IISD12 | Skrzyżowania i węzły E | 30 | 15 | 0 | 0 | 15 | | | | | | | 1 | | 1 | 2 | 1/1 | | | | | | |
| Przedmioty do wyboru | | | | | | | | | | | | | | | | | | | | | | | |
| IIRD1a | Dynamika i reologia konstr. mostowych | 30 | 15 | 0 | 0 | 15 | | | | | | | | | | | | | 1 | | 1 | 1/1 | |
| IIRD1b | Diagnostyka utrzym. i remonty mostów | | | | | | | | | | | | | | | | | | | | | | |
| IIRD2a | Fundamenty i podpory mostów | 30 | 15 | 0 | 0 | 15 | | | | | | | 1 | | 1 | 3 | 1/2 | | | | | | |
| IIRD2b | Posadowienie mostów | | | | | | | | | | | | | | | | | | | | | | |
| | Seminarium dyplomowe | 45 | 0 | 0 | 0 | 45 | | | | | | | | | 1 | 1 | 1 | | | | 2 | 1 | |
| Liczba godzin / punkty | | 1140 | 525 | 60 | 150 | 405 | 15 | 4 | 5 | 8 | 26 | 26 | 13 | 0 | 5 | 13 | 30 | 30 | 7 | 0 | 0 | 6 | |
| Liczba godzin w tygodniu | | | | | | | 32 | | | | | 31 | | | | | 13 | | | | | | |
| | Praktyka przeddyplomowa 4 tygodnie | | | | | | 120 | | | | | 4 | | | | | 4 | | | | | | |
| | Praca magisterska | | | | | | | | | | | | | | | | 20 | | | | | | |
| RAZEM PUNKTY KREDYTOWE | | | | | | | 30 | | | | | 30 | | | | | 30 | | | | | | |

Przedmiot obowiązkowy: "Bezpieczeństwo i higiena pracy" - 5 godzin w semestrze - zaliczenie bez oceny (na "za", bez punktów ECTS)

Przedmiot obowiązkowy: "Informacja naukowa" - 2 godziny w semestrze - zaliczenie bez oceny (na "za", bez punktów ECTS)