

| POLITECHNIKA LUBELSKA Wydział Elektrotechniki i Informatyki | | | kierunek: INFORMATYKA | | | | | | | | | | | | | | studia I stopnia stacjonarne inżynierskie | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|---|---|------------|---|---|---|------|----|----|---|---|-----|------|---|----|--|----|---|------|---|---|----|----|---|------|---|----|---|----|-------|------|-----|---|---|---|----|------|------|------|----|---|----|---|---|---|---|---|--|----|------|-----|
| Lp. | Kod | Nazwa przedmiotu/modułu | Rozkład zajęć w poszczególnych semestrach (liczba godzin w tygodniu). Semestr I - VII | | | | | | | | | | | | | | | | | | | | | | | | | | | | Razem | | | | | | | | | | | | | | | | | | | | | |
| | | | I | | | | | II | | | | | III | | | | | IV | | | | | V | | | | | VI | | | | | VII | | | | | Godz | ECTS | | | | | | | | | | | | | |
| | | | W | Ć | L | P | E | ECTS | W | Ć | L | P | E | ECTS | W | Ć | L | P | E | ECTS | W | Ć | L | P | E | ECTS | W | Ć | L | P | E | ECTS | W | Ć | L | P | E | | | ECTS | | | | | | | | | | | | |
| 1 | IIS3.01 | Wychowanie fizyczne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 2 | | | | | | | | | | | | | |
| 2 | IIS3.02 | Język angielski | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 120 | 7 | | | | | | | | | | | | | |
| 3 | IIS1.01 | Bezpieczeństwo i higiena pracy | 1 | | | Z | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 1 | | | | | | | | | | | | | |
| 4 | IIS1.02 | Przysposobienie biblioteczne | 2 | godz./sem. | | Z | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | | | | | | | | | | | | | |
| 5 | IIS2.01 | Ochrona własności intelektualnej | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 1 | | | | | | | | | | | | | |
| 6 | IIS1.03. | Humanistyczne i społeczne | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 2 | | | | | | | | | | | | |
| 7 | IIS1.04 | Podstawy fizyki | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | | |
| 8 | IIS1.05 | Funkcje elementarne | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 4 | | | | | | | | | | | | |
| 9 | IIS1.06 | Matematyka dyskretna | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 8 | | | | | | | | | | | | |
| 10 | IIS2.02 | Analiza matematyczna z algebrą | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 8 | | | | | | | | | | | | |
| 11 | IIS3.03 | Metody probabilistyczne i statystyka | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | | |
| 12 | IIS1.07 | Teoretyczne podstawy informatyki | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 7 | | | | | | | | | | | | |
| 13 | IIS1.08 | Podstawy programowania | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 6 | | | | | | | | | | | | |
| 14 | IIS2.03 | Architektura komputerów | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 4 | | | | | | | | | | | |
| 15 | IIS2.04 | Algorytmy i struktury danych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 7 | | | | | | | | | | | |
| 16 | IIS2.05 | Systemy operacyjne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 7 | | | | | | | | | | | |
| 17 | IIS3.04 | Programowanie niskopoziomowe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | 3 | | | | | | | | | | | |
| 18 | IIS3.05 | Programowanie obiektowe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | |
| 19 | IIS3.06 | Metody numeryczne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | |
| 20 | IIS3.07 | Teoria obwodów i sygnałów | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | |
| 21 | IIS3.08 | Metrologia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | 4 | | | | | | | | | | | |
| 22 | IIS4.01 | Elektronika | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | |
| 23 | IIS4.02 | Technika cyfrowa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 24 | IIS4.03 | Programowanie systemowe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 2 | | | | | | | | | | | |
| 25 | IIS4.04 | Język Java | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 26 | IIS4.05 | Sieci komputerowe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | |
| 27 | IIS4.06 | Narzędzia internetowe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 28 | IIS4.07 | Grafika komputerowa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 29 | IIS5.01 | Bazy danych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | |
| 30 | IIS5.02 | Sieci rozproszone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | |
| 31 | IIS5.03 | Technika mikroprocesorowa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 32 | IIS5.04 | Inżynieria oprogramowania | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | |
| 33 | IIS5.05 | Bezpieczeństwo systemów informatycznych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 34 | IIS5.06 | Tworzenie aplikacji internetowych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 5 | | | | | | | | | | | |
| 35 | IIS6.01 | Modelowanie i symulacja komputerowa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 36 | IIS6.02 | Systemy wbudowane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 37 | IIS6.03 | Programowanie równoległe i rozproszone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 38 | IIS6.04 | Paradygmaty programowania | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 3 | | | | | | | | | | | |
| 39 | IIS6.05 | Projekt zespołowy - projektowanie | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 3 | | | | | | | | | | | |
| 40 | IIS7.01 | Projekt zespołowy - implementacja | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 3 | | | | | | | | | | | |
| 41 | IIS6.06 | Przedmiot obieralny - O1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 42 | IIS6.07 | Przedmiot obieralny - O2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 43 | IIS7.02 | Przedmiot obieralny - O3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 2 | | | | | | | | | | | |
| 44 | IIS7.03 | Przedmiot obieralny - O4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 3 | | | | | | | | | | | |
| 45 | IIS7.04 | Przedmiot obieralny - O5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 4 | | | | | | | | | | | |
| 46 | IIS7.05 | Przedmiot obieralny - O6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 3 | | | | | | | | | | | |
| 47 | IIS7.06 | Seminarium dyplomowe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 30 | 15 | | | | | | | | | | | |
| 48 | IIS6.08 | Praktyka zawodowa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | | | | | | | | |
| Razem | | | 11 | 4 | 4 | | 3 | | 30 | 10 | 2 | 5 | | 4 | | 30 | 12 | 10 | 6 | | 5 | | 31 | 14 | 6 | 10 | | 5 | | 31 | 12 | 2 | 10 | 2 | 5 | | 30 | 12 | 12 | 2 | 5 | | 30 | 8 | 2 | 6 | 2 | 3 | | 30 | 2462 | 212 |
| Razem godzin w tygodniu | | | 19 | | | | | 17 | | | | | 28 | | | | | 30 | | | | | 26 | | | | | 18 | | | | | | | | | | | | | | | | | | | | | | | | |

Plan obowiązuje od roku akademickiego 2014/15. Zmiany zatwierdzono na posiedzeniu RW w dniu 11.06.2014 r.

Wykłady 1185 48,1%

Przedmioty ogólnouniczelniarne:

- Ochrona własności intelektualnej (15 godzin) - e-learning
- Bezpieczeństwo i higiena pracy (15 godzin) - e-learning
- Przysposobienie biblioteczne (2 godziny, 0 ECTS)

Przedmioty humanistyczne i społeczne do wyboru (IIS1.03.):

1. Podstawy ekonomii (IIS1.03.1)
2. Podstawy przedsiębiorczości (IIS1.03.2)
3. Problemy społeczne i zawodowe informatyki (IIS1.03.3)

Przedmioty obieralne:

- O1 - Cyfrowe przetwarzanie sygnałów (IIS6.06.1)/ Przetwarzanie obrazów i dźwięku (IIS6.06.2)/ Inżynieria systemów baz danych (IIS6.06.3)
- O2 - Programowanie w środowiskach RAD (IIS6.07.1) / Systemy przetwarzania mobilnego (IIS6.07.2)/ Inżynieria systemów mobilnych (IIS6.07.3)
- O3 - Sieci IP (IIS7.02.1)/ Media społecznościowe (IIS7.02.2)/ Projektowanie interfejsu i ergonomia systemów (IIS7.02.3)
- O4 - Podstawy multimediów (IIS7.03.1)/ Układy i urządzenia transmisji danych (IIS7.03.2) / Grafika i dźwięk w urządzeniach mobilnych (IIS7.03.3)
- O5 - Programowanie graficzne (IIS7.04.1)/ Programowanie wizualne (IIS7.04.2)/ Programowanie w chmurze obliczeniowej (IIS7.04.3)
- O6 - Podstawy telekomunikacji (IIS7.05.1)/ Bezpieczeństwo systemów rozproszonych (IIS7.05.2)/ Programowanie aplikacji mobilnych (IIS7.05.3)

Konsultacje: 10% wymiaru przedmiotu