**Plan studiów stacjonarnych I stopnia** kierunek: ***logistyka inżynierska*** **rok akad. 2018/2019**

**semestry I - VII** **dotyczy II roku**

| | Lp | Nazwa przedmiotu | | KOD | ECTS | Godziny zajęć w tym: Razem | W | Cw | CwK | P | I | Godzinowy rozkład zajęć – I rok, I sem (15tyg): W | Cw | CwK | P | L | I rok, II sem (15 tyg): W | Cw | CwK | P | L | II rok, III sem (15 tyg): W | Cw | CwK | Ps | I | II rok, IV sem (15 tyg): W | Cw | CwK | P | Ps | III rok, V sem (15 tyg): W | Cw | CwK | P | Ps | III rok, VI sem (15 tyg): W | Cw | CwK | P | Ps | S | IV rok, VII sem (15 tyg): W | Cw | CwK | P | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | | 40 | 41 | 42 | 43 | 4 | 45 |
| I | 1 | ***Matematyka*** | P | LS01001 | **5** | 45 | 15 | 30 | | | | 1 E | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | **Fizyka** | T P | LS01137 | 5 | 60 | 30 | 15 | | | 15 | 2 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | ***Podstawy zarządzania*** | P | LS01005 | **4** | 30 | 15 | 15 | | | | 1 E | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | ***Finanse i rachunkowość*** | P | LS01355 | 4 | 30 | 15 | 15 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | Techniki informatyczne | T | LS01607 | 3 | 30 | | | 30 | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | Wprowadzenie do techniki | T | LS01089 | 3 | 30 | 15 | 15 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | ***Wprowadzenie do towaroznawstwa*** | T P | LS01608 | 2 | 30 | 15 | 15 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | Wprowadzenie do zarządzania jakością | K | LS01609 | 2 | 30 | 30 | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | Podstawy logistyki | K | LS01610 | 2 | 30 | 15 | 15 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| II | 10 | Język obcy do wyboru (angielski, niemiecki, rosyjski) | | LS02002 | 10 | 150 | | 150 | | | | | | | | | | 2 | | | | | 2 | | | | | 2 | | | | | 2 | | | | | 2 E | | | | | | | | | | |
| | 11 | **Matematyka II** | P | LS02001 | 5 | 45 | 15 | 30 | | | | | | | | | 1 E | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | ***Ekonomia*** | P | LS02012 | **5** | 45 | 15 | 30 | | | | | | | | | 1 E | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | ***Statystyka*** | P | LS02105 | **4** | 45 | 15 | 30 | | | | | | | | | 1 E | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | Technologie informacyjne | T | LS02021 | 2 | 30 | | | 30 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | Zarządzanie łańcuchem dostaw | | LS02230 | 3 | 30 | 15 | 15 | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 | Inżynieria urządzeń logistycznych | T | LS02611 | 3 | 45 | 30 | | 15 | | | | | | | | 2 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 17 | **Inżynieria systemów i analiza systemowa** | T P | LS02354 | **3** | 45 | 30 | | 15 | | | | | | | | 2 E | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | ***Towaroznawstwo*** | T P | LS02282 | 3 | 30 | 15 | | | | 15 | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| III | 19 | Wprowadzenie do badań operacyjnych | | LS03555 | 4 | 30 | 15 | 15 | | | | | | | | | | | | | | 1 E | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 | WF (do wyboru: siatkówka, koszykówka, siłownia, taniec, aerobik) | | LS03018 | 1 | 30 | | 30 | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 21 | Prognozowanie w logistyce | | LS03574 | 5 | 45 | 15 | | 30 | | | | | | | | | | | | | 1 E | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 22 | Podstawy programowania | T | LS03034 | 5 | 45 | 15 | 15 | | | 15 | | | | | | | | | | | 1 E | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | 23 | Systemy MRP/DRP | T | LS03612 | 3 | 30 | 15 | | 15 | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Zintegrowane Systemy Zarządzania | T | LS03614 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 24 | Infrastruktura logistyczna | T K | LS03357 | **3** | 30 | 15 | 15 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 25 | Techniczne środki transportu | T | LS03613 | 3 | 30 | 15 | 15 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 26 | ***Procesy zaopatrzenia*** | T P | LS03616 | 2 | 30 | 15 | | 15 | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 27 | Logistyka zaopatrzenia | K | LS03360 | 2 | 30 | 15 | 15 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| IV | 28 | Optymalizacja problemów logistycznych | | LS04617 | 2 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| | 29 | WF (do wyboru: siatkówka, koszykówka, siłownia, taniec, aerobik) | | LS04018 | 1 | 30 | | 30 | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| | 30 | Oprogramowanie open source w logistyce | T | LS04633 | 3 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | 1 E | | 1 | | | | | | | | | | | | | | | | | | | |
| | 31 | Procesy i techniki produkcyjne | T | LS04202 | 4 | 45 | 30 | 15 | | | | | | | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | | | | | | | | | | |
| | 32 | ***Ekonomika transportu*** | P | LS04225 | 3 | 30 | 15 | 15 | | | 0 | | | | | | | | | | | | | | | | 1 E | 1 | | | | | | | | | | | | | | | | | | | | |
| | 33 | Teleinformatyka w logistyce | T | LS04619 | 1 | 15 | 15 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| | 34 | Logistyka produkcji | T K | LS04364 | 3 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | 1 E | 1 | | | | | | | | | | | | | | | | | | | | |
| | 35 | Projektowanie procesów logistycznych | T K | LS04620 | 3 | 30 | 15 | 0 | | | 15 | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | |
| | 36 | a) Technologie e-comerce | T | LS04621 | 4 | 45 | 15 | | 30 | | | | | | | | | | | | | | | | | | 1 | | 2 | | | | | | | | | | | | | | | | | | | |
| | | b) E-projektowanie | | LS04622 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 37 | a)Organizacja transposrtu | T | LS04623 | 2 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | b) Spedycja | | LS04624 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 38 | a) Gospodarka magazynowa | T | LS04625 | 2 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | |
| | | b) Systemy WMS | | LS04626 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V | 39 | ***Zarządzanie zasobami ludzkimi*** | P | LS05250 | 2 | 30 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | 2 E | | | | | | | | | | | | | | | | |
| | 40 | Negocjacje | H | LS05190 | 2 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | |
| | | Korespondencja handlowa | | LS05173 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 41 | Prawo celne i transportowe | | LS05366 | 4 | 45 | 30 | 15 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | | | | | |
| | | Organizacja transakcji w handlu międzynarodowym | | LS05839 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 42 | Rachunek produktywności | | LS05380 | 3 | 30 | 15 | | | | 15 | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | |
| | | Benchmarking przedsiębiorstw TSL | | LS05628 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 43 | Grafika inżynierska | | LS05140 | 3 | 45 | 15 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | |
| | | Projektowanie inżynierskie | T | LS05629 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 44 | Technologie baz danych | T | LS05630 | 3 | 45 | 15 | | 30 | | | | | | | | | | | | | | | | | | | | | | | 1 | | 2 | | | | | | | | | | | | | | |
| | 45 | Logistyka miejska | T | LS05367 | 3 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | |
| | 46 | LSI (Procesy sprzedaży) | T | LS05631 | 4 | 45 | 15 | | 30 | | | | | | | | | | | | | | | | | | | | | | | 1 | | 2 | | | | | | | | | | | | | | |
| | 47 | Logistyka dystrybucji | K | LS05371 | 4 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | |
| VI | 48 | Filozofia | | LS06004 | 1 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| | | Wprowadzenie do socjologii | H | LS06632 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Reklama i public relations w branży TSL | | LS06838 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 49 | Ochrona własności intelektualnej | | LS06217 | 1 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| | 50 | Ekologistyka | T K | LS06377 | 3 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | |
| | 51 | Zarządzanie jakością w logistyce | | LS06374 | 3 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 E | 1 | | | | | | | | | | |
| | 52 | Foresight technologiczny | T | LS06231 | 2 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | |
| | 53 | a) Sieci neuronowe w logistyce | T | LS06362 | 3 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | |
| | | b) Systemy ekspertowe w zarządzaniu logistycznym | | LS06618 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 54 | Systemy operacyjne urządzeń mobilnych | T | LS06634 | 2 | 45 | 15 | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 E | | 2 | | | | | | | | | |
| | 55 | Technologie informatyczne i systemy w logistyce | T | LS06635 | 2 | 30 | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| | | Systemy informatyczne w podmiotach TSL | | LS06636 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 56 | Elementy automatyki transportowej | T | LS06637 | 3 | 30 | 15 | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | |
| | | Wprowadzenie do robotyki | | LS06638 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 57 | Wirtualna spedycja | T | LS06639 | 1 | 15 | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| | 58 | Wizyty studyjne | T | LS06640 | 1 | 15 | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| | 59 | Planowanie i modelowanie rozwoju systemów transportowych | T | LS06641 | 2 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | |
| | 60 | Bezpieczeństwo państwa | | LS06771 | | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| | 61 | Obieralny blok seminarium dyplomowego inżynierskiego | | LS06071 | 4 | 30 | | | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| VII | 62 | Społeczna odpowiedzialność biznesu | H | LS07558 | 1 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| | | Zrównoważony rozwój | | LS07557 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Logistyczna obsługa klienta | | LS07837 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 63 | Innowacyjność | | LS07554 | 1 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| | | Przedsiębiorczość | | LS07026 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Analiza rynku usług logistycznych | | LS07836 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 64 | Międzynarodowe procesy logistyczne przedsiębiorstw | | LS07904 | 1 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| | 65 | Ergonomia z elementami bezpieczeństwa i higieny pracy | T | LS07818 | 1 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| | 66 | Zaufanie w łańcuchach dostaw | | LS07788 | 1 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| | 67 | Wizyty studyjne | T | LS07640 | 1 | 15 | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| | 68 | Obieralny blok seminarium dyplomowego inżynierskiego | | LS07071 | 4 | 30 | | | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| | 69 | Praca dyplomowa inżynierska | T | LS07605 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | Praktyka zawodowa (realizowana w ciągu 3,5 roku studiów) | T | LS07220 | 5 | 4 tygodnie | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Razem | | | 210 | 2220 | 930 | 720 | 390 | 30 | 150 | 21 | | | | | 23 | | | | | 22 | | | | | 24 | | | | | 24 | | | | | 26 | | | | | | 8 | | | | |
| | | | | | | | | | | | | 2E | | | | | 4E | | | | | 3E | | | | | 3E | | | | | 1E | | | | | 3E | | | | | | | | | | |

***ĆwK - sale komputerowe 30-osobowe***
***I -- pracownie specjalistyczne, seminaria, projekty, laboratoria***
***Język obcy w semestrach II - VI po 2 ECTS***