**Plan studiów stacjonarnych II stopnia na kierunku ZARZĄDZANIE I INŻYNIERIA PRODUKCJI** **rok akad. 2019/2020**

**Specjalność:** *Inżynier procesu* ***dotyczy I semestru***

**lato 2019/2020**

| | Lp. | | Nazwa przedmiotu | | Punkty ECTS | Godziny zajęć | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | w tym | | | | | | | | *I sem* 15 tyg | | | | | | | *II sem* 15 tyg | | | | | | | *III sem* 15 tyg | | | | | | |
| | | | | | | Razem | W | Ć | L | P | Ps | T | S | *W* | *Ć* | *L* | *P* | *Ps* | *T* | *S* | *W* | *Ć* | *L* | *P* | *Ps* | *T* | *S* | *W* | *Ć* | *L* | *P* | *Ps* | *T* | *S* |
| | 1 | | 2 | kod | 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 |
| I | 1 | T P | Organizacja systemów produkcyjnych | KSU01432 | 3 | 30 | 15 | 15 | | | | | | 1 E | 1 | | | | | | | | | | | | | | | | | | | | |
| | 2 | | Prognozowanie i symulacje | KSU01041 | 2 | 30 | 15 | 15 | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| | 3 | | Inteligentne łańcuchy produkcyjne | KSU011030 | 2 | 30 | 15 | | | | 15 | | | 1 | | | | 1 | | | | | | | | | | | | | | | | |
| | 4 | T P | Nanotechnologie | KSU01587 | 2 | 30 | 15 | 15 | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| | 5 | T | Systemy kontrolno-pomiarowe | KSU011012 | 2 | 30 | 15 | | 15 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | |
| | 6 | | Poszukiwanie, ocena i wybór technologii | KSU011013 | 1 | 15 | 15 | | | | | | | 1 E | | | | | | | | | | | | | | | | | | | | |
| | 7 | T P | Nowoczesne metody wspomagania procesów produkcyjnych | KSU01644 | 3 | 45 | 15 | | | 30 | | | | 1 E | | | 2 | | | | | | | | | | | | | | | | | |
| | 8 | T | Smart Manufacturing | KSU011014 | 3 | 45 | 30 | 15 | | | | | | 2 | 1 | | | | | | | | | | | | | | | | | | | |
| | 9 | | Metodologia zarządzania projektami | KSU011015 | 2 | 30 | | | | | 30 | | | | | | | 2 | | | | | | | | | | | | | | | | |
| | 10 | T | Wizyty studyjne (przedsiębiorstwa do wyboru) | KSU01640 | 1 | 18 | | | | | | 18 | | | | | | | 1 | | | | | | | | | | | | | | | |
| | 11 | | Gospodarka o obiegu zamkniętym | KSU011057 | 2 | 30 | 15 | 15 | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| | 12 | | Teoria ograniczeń - praktyczne zastosowania w przemyśle | KSU011058 | 2 | 30 | | | | 30 | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| | 13 | HES | Prowadzenie spółek i finansowanie działalności gospodarczej | KSU011016 | 3 | 45 | 15 | 30 | | | | | | 1 | 2 | | | | | | | | | | | | | | | | | | | |
| | 14 | HES | Kompleksowe zarządzanie jakością | KSU011017 | 2 | 30 | 15 | 15 | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| II | 15 | | Język obcy do wyboru (angielski B2+) | KSU02454 | 2 | 30 | | 30 | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| | | | Język obcy do wyboru (niemiecki B2+) | KSU02455 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Język obcy do wyboru (rosyjski B2+) | KSU02456 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 | T | Wizyty studyjne (przedsiębiorstwa do wyboru) | KSU02640 | 1 | 18 | | | | | | 18 | | | | | | | | | | | | | | 1 | | | | | | | | |
| | 17 | T P | Zintegrowane systemy zarządzania | KSU02614 | 2 | 30 | 15 | 15 | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | |
| | 18 | | Utrzymanie ruchu parku maszynowego | KSU021018 | 3 | 45 | 15 | | | 30 | | | | | | | | | | | 1 E | | | | 2 | | | | | | | | | |
| | 19 | T | Energia i media techniczne w procesach wytwórczych | KSU021019 | 3 | 45 | 30 | 15 | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | | |
| | 20 | | Media techniczne w zakładach przemysłowych | KSU021020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 21 | T P | Metody modelowania w inżynierii produkcji | KSU02700 | 3 | 45 | 15 | | | | 30 | | | | | | | | | | 1 | | | | 2 | | | | | | | | | |
| | 22 | | Podstawy SixSigma | KSU021021 | 1 | 15 | | 15 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| | 23 | | Metody statystyczne w SixSigma | KSU021022 | 1 | 15 | | | | | 15 | | | | | | | | | | | | | | 1 | | | | | | | | | |
| | 24 | P | Zarządzanie projektem innowacyjnym | KSU02702 | 2 | 30 | 15 | 15 | | | | | | | | | | | | | 1 E | 1 | | | | | | | | | | | | |
| | 25 | | Strategie i modele internacjonalizacji przedsiębiorstw | KSU021023 | 2 | 30 | 15 | 15 | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | |
| | 26 | | Audyt, certyfikacja i zarządzanie dostawcami | KSU0021024 | 2 | 30 | 15 | 15 | | | | | | | | | | | | | 1 E | 1 | | | | | | | | | | | | |
| | 27 | | Proces zarządzania technologiami | KSU021025 | 2 | 30 | | 30 | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| | 28 | HES | Kierowanie zespołem | KSU021026 | 3 | 45 | 15 | 30 | | | | | | | | | | | | | 1 | 2 | | | | | | | | | | | | |
| | 29 | | Seminarium dyplomowe magisterskie (obieralne) | KSU02071 | 3 | 30 | | | | | | | 30 | | | | | | | | | | | | | | 2 | | | | | | | |
| III | 30 | T | Systemy informatyczne w procesach produkcyjnych (Siemens) | KSU03705 | 2 | 30 | | 30 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| | 31 | T | Wizyty studyjne (przedsiębiorstwa do wyboru) | KSU03640 | 1 | 18 | | | | | | 18 | | | | | | | | | | | | | | | | | | | | | 1 | |
| | 32 | HES | Struktury klastrowe i huby innowacji | KSU031027 | 2 | 30 | | 30 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| | 33 | | Metody twórczego rozwiązywania problemów | KSU031028 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 34 | | Modelowanie procesów przemysłowych | KSU031029 | 3 | 45 | 15 | | | | 30 | | | | | | | | | | | | | | | | | 1 | | | | 2 | | |
| | 35 | | Planowanie prac B+R | KSU03905 | 1 | 15 | | | | | 15 | | | | | | | | | | | | | | | | | | | | | 1 | | |
| | 36 | | Wykład specjalistyczny w języku obcym (Współpraca pomiędzy podmiotami poczwórnej helisy) | KSU031059 | 2 | 30 | 30 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| | 37 | | Wykład specjalistyczny w języku obcym (Dobre praktyki współpracy biznesu z nauką) | KSU031060 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 38 | | Seminarium dyplomowe magisterskie (obieralne) | KSU03071 | 2 | 30 | | | | | | | 30 | | | | | | | | | | | | | | | | | | | | | 2 |
| | 39 | | Praca dyplomowa (obieralna) | KSU03221 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 40 | | Praktyka zawodowa | KSU03220 | 2 | | 2 tygodnie | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | R A Z E M | | 90 | 1074 | 360 | 360 | 15 | 90 | 135 | 54 | 60 | 29 | | | | | | | 29 | | | | | | | 13 | | | | | | |
| | | | | | | | | | | | | | | 3 E | | | | | | | 3 E | | | | | | | 0 E | | | | | | |