

studia: **II stopnia** NIESTACJONARNE
kierunek: **ZARZĄDZANIE I INŻYNIERIA PRODUKCJI**
specjalność: **ORGANIZACJA PRODUKCJI**

| | W | C | L | P | S | BK | | W | C | L | P | S | BK | | W | C | L | P | S | BK | | W | C | L | P | S | BK | | | | | | | | | | |
|---|----------|----|----|----|----|----|--|-----------|----------|-----|----|-----------|----|---|----|-----------|----------|-----|-----------|----|--|----|----|-----------|-----------|-------------|----|----|----|----|-------------|----|--|--|--|--|--|
| | | | | | | | BLOK WYBIERALNY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 2 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | ZPM042251BK | 10 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zarządzanie personelem | | | | | | | Mapowanie procesów w przedsiębiorstwie | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | 3 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZPM042010 | 10 | | | | | | ZPM042223 | 10 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zarządzanie strategiczne E | | | | | | | Zarządzanie projektami i innowacjami | | | | | | | Badania operacyjne | | | | | | | Inżynieria odwrotna | | | | | | | | | | | | | | | | |
| 3 | | | | | | | 2 1 | | | | | | | 3 | | | | | | | 2 1 | | | | | | | | | | | | | | | | |
| ZPM042002 | 20 | | | | | | ZPM042227 | 20 | 10 | | | | | ZPM042201 | 20 | | | | | | ZPM042232 | 10 | 10 | | | | | | | | | | | | | | |
| Innowacyjne technologie mechaniczne | | | | | | | Metody kształtowania wybranych cech produktów | | | | | | | Elastyczna automatyzacja wytwarzania | | | | | | | Planowanie technologiczne CAD/CAM | | | | | | | | | | | | | | | | |
| 3 2 1 | | | | | | | 3 | | | | | | | 3 2 | | | | | | | 2 2 | | | | | | | | | | | | | | | | |
| ZPM042012 | 20 | 10 | 10 | | | | ZPM042228 | 20 | | | | | | ZPM042230 | 20 | 10 | | | | | ZPM042204 | 10 | 10 | | | | | | | | | | | | | | |
| Modelowanie procesów produkcyjnych | | | | | | | Recykling materiałów | | | | | | | Metody i techniki eksperymentu | | | | | | | Przedsiębiorczość innowacyjna | | | | | | | | | | | | | | | | |
| 3 2 | | | | | | | 3 | | | | | | | 3 1 | | | | | | | 3 | | | | | | | | | | | | | | | | |
| ZPM042013 | 20 | | | | | 20 | | | | | | ZPM042229 | 20 | | | | | | ZPM042224 | 20 | 10 | | | | | ZPM042226 | 20 | | | | | | | | | | |
| Optymalizacja rozmieszczenia stanowisk roboczych | | | | | | | Studium przypadku | | | | | | | Utrzymanie ruchu maszyn i urządzeń | | | | | | | Zajęcia sportowa | | | | | | | | | | | | | | | | |
| 3 2 | | | | | | | 2 | | | | | | | 3 1 | | | | | | | 1 | | | | | | | | | | | | | | | | |
| ZPM042014 | 10 | | | | | 10 | | | | | | ZPM042212 | 20 | | | | | | ZPM042225 | 20 | 10 | | | | | WFW020000BK | 8 | | | | | | | | | | |
| Zarządzanie wiedzą | | | | | | | Fizykochemia zaawansowanych materiałów funkcjonalnych | | | | | | | Zarządzanie cyklem życia produktu E | | | | | | | Przedmiot HUMANISTYCZNY | | | | | | | | | | | | | | | | |
| 3 2 | | | | | | | 2 2 | | | | | | | 3 2 | | | | | | | 2 | | | | | | | | | | | | | | | | |
| ZPM042015 | 10 | | | | | 10 | | | | | | ZPM042016 | 10 | | | | | 10 | | | | | | ZPM042231 | 20 | 10 | | | | | HMH100035BK | 10 | | | | | |
| Zintegrowane systemy zarządzania | | | | | | | Symulacja procesów produkcyjnych | | | | | | | Bezpieczeństwo maszyn i urządzeń | | | | | | | Seminarium dyplomowe | | | | | | | | | | | | | | | | |
| 2 | | | | | | | 3 | | | | | | | 3 1 | | | | | | | 2 | | | | | | | | | | | | | | | | |
| ZPM042007 | | | | | 20 | | | ZPM042017 | | | | | 20 | | | ZPM042011 | 20 | | | | | 10 | | | ZPM042222 | | | | | 20 | | | | | | | |
| Język obcy poziom B2+ lub C1+ | | | | | | | Język obcy poziom A1 lub A2 lub B1+ | | | | | | | PRACA DYPLOMOWA I | | | | | | | PRACA DYPLOMOWA II | | | | | | | | | | | | | | | | |
| 1 | | | | | | | 2 | | | | | | | 5 | | | | | | | 15 | | | | | | | | | | | | | | | | |
| JZM042050BK | 10 | | | | | | JZM042051BK | 30 | | | | | | ZPM042251D | | | | | | 10 | | | | | | ZPM042252D | | | | | | 50 | | | | | |
| sem. 1 | | | | | | | sem. 2 | | | | | | | sem. 3 | | | | | | | sem. 4 | | | | | | | | | | | | | | | | |
| 30 | ECTS | 18 | 1 | 2 | 9 | 0 | 0 | 30 | ECTS | 17 | 2 | 2 | 7 | 2 | 0 | 30 | ECTS | 18 | 0 | 0 | 6 | 1 | 5 | 30 | ECTS | 9 | 1 | 1 | 2 | 2 | 15 | | | | | | |
| 180 | l. godz. | 90 | 10 | 10 | 70 | 0 | 0 | 210 | l. godz. | 110 | 30 | 20 | 40 | 10 | 0 | 180 | l. godz. | 120 | 0 | 0 | 40 | 10 | 10 | 148 | l. godz. | 50 | 8 | 10 | 10 | 20 | 50 | | | | | | |

BLOK WYBIERALNY

| | |
|---|-------|
| Monitorowanie i wizualizacja w wytwarzaniu | 2 2 |
| ZPM042220 | 10 20 |
| Symulacja i wizualizacja układów mechanicznych | 2 2 |
| ZPM042221 | 10 20 |

| | | | | | | |
|-------|-----|----|----|-----|----|----|
| razem | W | C | L | P | S | BK |
| | 370 | 48 | 40 | 160 | 40 | 60 |
| | 718 | | | | | |

ECTS 120

BK - blok kursów wybieralnych