

| Matryca efektów uczenia się, form ich realizacji oraz metod weryfikacji | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|---------------------------------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|-------------------|-----------|-----------|--------|-----------|-----------|--------|-------------------------|-----------|--------|-----------|-----------|---|---|
| DYPLOMENTA, studia I stopnia | | Przedmioty Podstawowe | | | | | | | | | | | | | | Przedmioty ogólne | | | | | | | Przedmioty fakultatywne | | | | | | |
| Zaliczanie efektów uczenia się | Wykład | Ćwiczenia | Pracownia | Wykład | Ćwiczenia | Pracownia | Wykład | Ćwiczenia | Pracownia | Wykład | Ćwiczenia | Pracownia | Wykład | Ćwiczenia | Pracownia | Wykład | Ćwiczenia | Pracownia | Wykład | Ćwiczenia | Pracownia | Wykład | Ćwiczenia | Pracownia | Wykład | Ćwiczenia | Pracownia | | |
| Wiedza | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W001 | X | X | | X | X | X | X | X | X | | | | | | | | | | | | | | | | | | X | X | |
| K_W002 | X | X | | X | X | X | X | X | X | | | | | | | | | | | | | | | | | | X | X | |
| K_W003 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W004 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W005 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W006 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W007 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W008 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W009 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W013 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_W018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Umiejętności | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U001 | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| K_U002 | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| K_U003 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U004 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U005 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U006 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U007 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U008 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U009 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U010 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U011 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U012 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U013 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U014 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U015 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U016 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U017 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U018 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U019 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U020 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U021 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_U022 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Kompetencje społeczne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K001 | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| K_K002 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K003 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K004 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K005 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K006 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K007 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K008 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K009 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K010 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K011 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K012 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K013 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K014 | X | X | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| K_K015 | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Formy realizacji | | Wykład | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | Ćwiczenia | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | Seminarium | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | Problem Based Case Teaching | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | Flipped Education (Flipped Classroom) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | (Flipped Learning) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | Design Thinking | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | Tutoring | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | Peer Learning | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Metody weryfikacji | | egzamin | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | praca pisemna | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | wypowiedź ustna | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | | Sprawdzian umiejętności praktycznych | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |