**Załącznik 2**

**Efekty uczenia się dla kierunku ………..**

1. **Przyporządkowanie kierunku studiów do dziedzin/y nauki i dyscyplin/y naukowych/ej lub dyscyplin/y artystycznych/ej:** kierunek przyporządkowano do dziedziny nauk…, dyscyplin/y naukowych/ej……; *(należy wskazać % udział poszczególnych dyscyplin oraz dyscyplinę wiodącą; nazwy dziedzin nauki i dyscyplin naukowych oraz dyscyplin artystycznych zgodnie z Rozporządzeniem MNiSW z dnia 11 października 2022 roku w sprawie dziedzin nauki i dyscyplin naukowych oraz artystycznych – Dz.U. z 2022 roku, poz. 2202, ze zm.)*
2. **Profil kształcenia:** ogólnoakademicki lub praktyczny *(wpisać właściwe)*
3. **Poziom i czas trwania studiów/liczba punktów ECTS:** *np.**studia pierwszego stopnia – licencjackie (6 semestrów) /180 ECTS*
4. **Numer charakterystyki poziomu Polskiej Ramy Kwalifikacji** *(wpisać* ***6*** *– w przypadku studiów pierwszego stopnia lub* ***7*** *– w przypadku studiów drugiego stopnia lub studiów jednolitych magisterskich)*
5. **Absolwent:** *opisać kwalifikacje absolwenta/sylwetkę absolwenta*
   1. **Tytuł zawodowy nadawany absolwentom**: *…………. (wpisać nazwę tytułu zawodowego; podstawa prawna: rozdział 7 Rozporządzenia Ministra Nauki i Szkolnictwa Wyższego z dnia 27 września 2018 roku w sprawie studiów (t.j. Dz.U. z 2021 roku, poz. 661, ze zm.)*
6. **Wymagania ogólne:** do uzyskania kwalifikacji *pierwszego stopnia/drugiego stopnia* *(wpisać właściwe)* wymagane jest osiągnięcie wszystkich poniższych efektów uczenia się.

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| **Kod składnika opisu charakterystyki efektów uczenia się w dziedzinie nauki i dyscyplinie naukowej lub artystycznej**  *np. dziedzina nauk humanistycznych/dyscyplina naukowa archeologia* | **Opis charakterystyk drugiego stopnia**  **efektów uczenia się Polskiej Ramy Kwalifikacji** | **Symbol efektu kierunkowego** | **Treść efektu kierunkowego** |
| **WIEDZA: absolwent zna i rozumie** | | | |
| H/AP\_P6S\_WG | …………… | KP6\_WG1 | …………. |
| KP6\_WG2 | …………. |
| H/AP\_P6S\_WG | …………… | KP6\_WG3 | …………. |
| H/AP\_P6S\_WG | …………… | … | …………. |
| H/AP\_P6S\_WK | …………… | KP6\_WK1 | …………. |
| KP6\_WK2 | …………. |
| KP6\_WK3 | …………. |
| **UMIEJĘTNOŚCI: absolwent potrafi** | | | |
| H/AP\_P6S\_UW | ……………. | KP6\_UW1 | …………. |
| H/AP\_P6S\_UK | ……………. | KP6\_UK1 | …………. |
| H/AP\_P6S\_UO | ……………. | KP6\_UO1 | …………. |
| H/AP\_P6S\_UU | ……………. | KP6\_UU1 | …………. |
| **KOMPETENCJE SPOŁECZNE: absolwent jest gotów do** | | | |
| H/AP\_P6S\_KK | ……………. | KP6\_KK1 | …………. |
| H/AP\_P6S\_KO | ……………. | KP6\_KO1 | …………. |
| H/AP\_P6S\_KR | ……………. | KP6\_KR1 | …………. |
| H/AP\_P6S\_KR | ……………. | KP6\_KR2 | …………. |

1. **Objaśnienie oznaczeń:**

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| --- | --- |
| **Objaśnienie oznaczeń kodu składnika opisu**  **w dziedzinie nauki i dyscyplinie naukowej oraz artystycznej** | |
| np. H/AP\_P6S | * charakterystyki drugiego stopnia w dziedzinie nauk humanistycznych/dyscyplinie archeologia dla studiów pierwszego stopnia o profilu praktycznym |
| np. R/ROA\_P7S  np. XP/NBLA\_P7S | * charakterystyki drugiego stopnia w dziedzinie nauk rolniczych/dyscyplinie rolnictwo i ogrodnictwo dla studiów drugiego stopnia o profilu ogólnoakademickim * charakterystyki drugiego stopnia w dziedzinie nauk ścisłych i przyrodniczych/dyscyplinie nauki biologiczne dla studiów drugiego stopnia o profilu ogólnoakademickim |
| np. InzP\_P6S | * charakterystyki drugiego stopnia prowadzące do uzyskania kompetencji inżynierskich dla studiów pierwszego stopnia o profilu praktycznym |
| **Objaśnienia oznaczeń komponentów efektów uczenia się**  **wspólne dla opisu symbolu efektu uczenia się oraz kodu składnika opisu**  **w dziedzinie nauki i dyscyplinie naukowej oraz artystycznej** | |
| W | * kategoria wiedzy, w tym: |
| G *(po W)* | * podkategoria ***zakres i głębia,*** |
| K *(po W)* | * podkategoria ***kontekst,*** |
| U | * kategoria umiejętności, w tym: |
| W *(po U)* | * podkategoria w zakresie ***wykorzystanie wiedzy,*** |
| K *(po U)* | * podkategoria w zakresie ***komunikowanie się,*** |
| O *(po U)* | * podkategoria w zakresie ***organizacja pracy,*** |
| U *(po U)* | * podkategoria w zakresie ***uczenie się.*** |
| K *(po podkreślniku)* | * kategoria kompetencji społecznych, w tym: |
| K (*po K po podkreślniku)* | * podkategoria w zakresie ***ocena***, |
| O (*po K po podkreślniku)* | * podkategoria w zakresie ***odpowiedzialność,*** |
| R (*po K po podkreślniku)* | * podkategoria w zakresie ***rola zawodowa.*** |
| 01, 02, 03 i kolejne | * numer efektu uczenia się |
| **Objaśnienia oznaczeń symbolu efektu kierunkowego** | |
| K *(przed podkreślnikiem)* | * kierunkowe efekty uczenia się |
| P *(przed podkreślnikiem)* | * profil praktyczny *(literą A oznaczamy profil ogólnoakademicki*) |
| 6 | * studia pierwszego stopnia *(cyfrą 7 oznaczamy studia drugiego stopnia lub jednolite magisterskie)* |

1. **Oznaczenia dziedzin nauki i dyscyplin naukowych oraz artystycznych**

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| --- | --- | --- |
| Lp. | **Dziedzina nauki/symbol kodu** | **Dyscyplina naukowa/artystyczna/symbol kodu** |
| 1 | Dziedzina nauk humanistycznych/**H** | 1) archeologia/**A** |
| 2) etnologia i antropologia kulturowa/**EA** |
| 3) filozofia/**F** |
| 4) historia/**H** |
| 5) językoznawstwo/**J** |
| 6) literaturoznawstwo/**L** |
| 7) nauki o kulturze i religii/**KR** |
| 8) nauki o sztuce/**NSz** |
| 9) polonistyka/**PL** |
| 2 | Dziedzina nauk inżynieryjno-technicznych/**IT** | 1. architektura i urbanistyka/**AU** |
| 1. automatyka, elektronika, elektrotechnika i technologie kosmiczne/**AE** |
| 1. informatyka techniczna i telekomunikacja/**IT** |
| 1. inżynieria bezpieczeństwa/**IBZ** |
| 1. inżynieria biomedyczna/**IB** |
| 1. inżynieria chemiczna/**IC** |
| 1. inżynieria lądowa, geodezja i transport/**IL** |
| 1. inżynieria materiałowa/**IM** |
| 1. inżynieria mechaniczna/**IMC** |
| 1. inżynieria środowiska, górnictwo i energetyka/**ISG** |
| 3 | Dziedzina nauk medycznych i nauk o zdrowiu/**M** | 1. biologia medyczna/**BM** |
| 1. nauki farmaceutyczne/**NF** |
| 1. nauki medyczne/**NM** |
| 1. nauki o kulturze fizycznej/**NKF** |
| 1. nauki o zdrowiu/**NZ** |
| 4 | Dziedzina nauk o rodzinie/**NR** | 1. nauki o rodzinie/**NRO** |
| 5 | Dziedzina nauk rolniczych/**R** | 1) nauki leśne/**NL** |
| 2) rolnictwo i ogrodnictwo/**RO** |
| 3) technologia żywności i żywienia/**TZ** |
| 4) zootechnika i rybactwo/**ZR** |
| 6 | Dziedzina nauk społecznych/**S** | 1) ekonomia i finanse/**EF** |
| 2) geografia społeczno-ekonomiczna i gospodarka przestrzenna/**GEP** |
| 3) nauki o bezpieczeństwie/**NB** |
| 4) nauki o komunikacji społecznej i mediach/**NKS** |
| 5) nauki o polityce i administracji/**NPA** |
| 6) nauki o zarządzaniu i jakości/**NZJ** |
| 7) nauki prawne/**NP** |
| 8) nauki socjologiczne/**NS** |
| 9) pedagogika/**P** |
| 10) prawo kanoniczne/**PK** |
| 11) psychologia/**PS** |
| 1. stosunki międzynarodowe/**SMI** |
| 7 | Dziedzina nauk ścisłych i przyrodniczych/**XP** | 1) astronomia/**AS** |
| 1. biotechnologia/**BT** |
| 3) informatyka/**I** |
| 4) matematyka/**MT** |
| 5) nauki biologiczne/**NBL** |
| 6) nauki chemiczne/**NC** |
| 7) nauki fizyczne/**NF** |
| 8) nauki o Ziemi i środowisku/**NZ** |
| 8 | Dziedzina nauk teologicznych/**TL** | 1. nauki biblijne/**NBB** |
| 1. nauki teologiczne/**NT** |
| 9 | Dziedzina nauk weterynaryjnych/**W** | 1. weterynaria/**WT** |
| 10 | Dziedzina sztuki/**SZ** | 1) sztuki filmowe i teatralne/**SFT** |
| 2) sztuki muzyczne/**SM** |
| 3) sztuki plastyczne i konserwacja dzieł sztuki/**SP** |

**TREŚCI KSZTAŁCENIA**

**Kierunek studiów**: (*wpisać nazwę kierunku studiów*)

**Poziom studiów**: studia pierwszego stopnia-licencjackie lub pierwszego stopnia-inżynierskie/drugiego stopnia/studia jednolite magisterskie *(wpisać właściwe)*

**Profil kształcenia**: praktyczny lub ogólnoakademicki *(wpisać właściwe)*

**Forma studiów:** stacjonarne/niestacjonarne *(wpisać właściwe)*

**Wymiar kształcenia**: ……. semestrów *(wpisać liczbę semestrów)*

**Liczba punktów ECTS konieczna do ukończenia studiów:** (*wpisać liczbę*) punktówECTS

**Tytuł zawodowy nadawany absolwentom**: *…………. (wpisać nazwę tytułu zawodowego; na podstawie przepisów rozdziału 7 Rozporządzenia Ministra Nauki i Szkolnictwa Wyższego z dnia 27 września 2018 roku w sprawie studiów (t.j. Dz.U. z 2021 roku, poz. 661, ze zm.)*

**CHARAKTERYSTYKA TREŚCI KSZTAŁCENIA – GRUPY TREŚCI**

1. **WYMAGANIA OGÓLNE**

np. 1. **Podstawy psychologii**

*Cel kształcenia:* Poznanie podstawowych zagadnień z psychologii oraz jej dziedzin, prezentacja przydatności wiedzy z tej dziedziny w praktyce zawodowej i życia codziennego. Wdrożenie do samodzielnego zgłębiania wiedzy o człowieku, jego potrzebach, dążeniach, motywacji, zachowaniu.

*Treści merytoryczne*: Istota psychologii. Działy psychologii. Procesy emocjonalne. Procesy motywacyjne. Procesy pamięciowe. Osobowość człowieka i jej składowe. Rodzaje osobowości człowieka. Zachowania siucydialne. Wybrane elementy psychologii zeznań. Niepoczytalność. Poznanie zmysłowe, podstawowe procesy poznawcze. Myślenie, rozumowanie. Emocje i ich rodzaje. Intelekt, afekt, agresja. Osobowość człowieka.

*Efekty uczenia się*:

*Wiedza (zna i rozumie)*: wiedzę z zakresu zagadnień społecznych i psychologicznych wpływających na bezpieczeństwo człowieka.

*Umiejętności (potrafi)*: komunikować się z otoczeniem, gromadzić, hierarchizować, przetwarzać i przekazywać informacje; pracować z osobami niedostosowanymi społecznie.

*Kompetencje społeczne (jest gotów do)*: zachowania się w sposób profesjonalny i etyczny.

*Forma prowadzenia zajęć: (zgodnie z planem studiów)*

1. **GRUPA TREŚCI PODSTAWOWYCH**

……………………….

1. **GRUPA TREŚCI KIERUNKOWYCH**

………………………

1. **GRUPA TREŚCI ZWIĄZNYCH Z ZAKRESEM KSZTAŁCENIA**

……………………….

1. **PRAKTYKA** *(wymiar, zasady i forma realizacji praktyk/i zawodowych/ej oraz liczba punktów ECTS, jaką student musi uzyskać w ramach praktyk/i)*

………………………

1. **INNE** *(ergonomia, etykieta, ochrona własności intelektualnej, szkolenie w zakresie bezpieczeństwa i higieny pracy)*

………………………

**Uwaga!**

1. Efekty uczenia się dla studiów nadających kwalifikacje nauczycielskie, w tym nauczyciela psychologa, kwalifikacje do wykonywania zawodu, np. pielęgniarki, weterynarza powinny być zgodne ze standardem kształcenia. **Istnieje możliwość generowania grup treści przedmiotów odpowiadających wymaganiom standardu kształcenia.**
2. Określone w programie studiów efekty uczenia się uwzględniają efekty w zakresie znajomości języka obcego.
3. Efekty uczenia się dla studiów kończących się uzyskaniem tytułu zawodowego inżynieria lub magistra inżynieria zawierają pełny zakres efektów dla studiów, umożliwiających uzyskanie kompetencji inżynierskich, zawartych w charakterystykach drugiego stopnia…(rozporządzenie MNiSW z dnia 14 listopada 2018 roku w sprawie charakterystyk drugiego stopnia efektów uczenia się … Dz.U. z 2018 roku, poz. 2218).
4. Przy określaniu form prowadzenia zajęć należy uwzględnić typy zajęć zdefiniowane w systemie USOS.

**PLAN STUDIÓW**

**KIERUNKU ………………………..**

**W ZAKRESIE/ACH……………………….**

**Obowiązuje od cyklu:** np. 2024 Z *(należy wpisać cykl kształcenia, np. semestr zimowy roku akademickiego 2024/2025 należy oznaczyć 2024 Z)*

**Poziom studiów:** studia pierwszego stopnia-licencjackie lub pierwszego stopnia-inżynierskie/drugiego stopnia/studia jednolite magisterskie *(wpisać właściwe)*

**Profil kształcenia:** praktyczny lub ogólnoakademicki *(wpisać właściwe)*

**Forma studiów:** stacjonarne/niestacjonarne *(wpisać właściwe)*

**Liczba semestrów: …….** (*wpisać liczbę)*

**Dziedzina/y nauki/dyscyplina/y naukowa/e lub artystyczna/e:** *nazwy dziedzin nauki i dyscyplin naukowych oraz dyscyplin artystycznych zgodnie z rozporządzeniem MNiSW z dnia 11 października 2022 roku w sprawie dziedzin nauki i dyscyplin naukowych oraz artystycznych – Dz.U. z 2022 roku, poz. 2202, ze zm.)*

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| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Rok studiów: 1, semestr: 1** | | |  |  | |  | |  | | |  |  | |  | |  | |  | |  | |  | | Lp. | Nazwa przedmiotu/grupy zajęć | | Semestr | Liczba  punktów ECTS | | Punkty ECTS  za zajęcia praktyczne | | Forma zaliczenia | | | Status przedmiotu:  obligatoryjny lub fakultatywny | Liczba godzin realizowanych z bezpośrednim udziałem nauczyciela akademickiego lub innej osoby prowadzącej zajęcia | | | | | | | | Praktyka | | Praca dyplomowa | | ogółem zajęcia dydaktyczne | | wykład | | ćwiczenia | | inne | | | **Grupa treści** | | | | | | | | | | | | | | | | | | | | | | | | **I - WYMAGANIA OGÓLNE** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Technologie informacyjne w inżynierii | | I | 2 | | 0,6 | | zal. oc. | | | o |  | |  | |  | |  | |  | |  | | 2 | np. Przedmioty humanistyczne/społeczne | | I | 2 | | 0 | | zal. oc. | | | f |  | |  | |  | |  | |  | |  | | 3 | np. Przedsiębiorczość | | I | 1 | | 0 | | zal. oc. | | | o |  | |  | |  | |  | |  | |  | | 4 | …………………………………………… | | I |  | |  | |  | | |  |  | |  | |  | |  | |  | |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | |  | | |  |  | |  | |  | |  | |  | |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | |  | | |  |  | |  | |  | |  | |  | |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | |  | | |  |  | |  | |  | |  | |  | |  | | **II - PODSTAWOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Matematyka 1 | | I | 5 | | 1,2 | | egz. | | | o |  | |  | |  | |  | |  | |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | | x |  | |  | |  | |  | |  | |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | | x |  | |  | |  | |  | |  | |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | | x |  | |  | |  | |  | |  | |  | | **III - KIERUNKOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Geometria i grafika inżynierska 1 | | I | 3 | | 0,6 | | zal. oc. | | | o |  | |  | |  | |  | |  | |  | | 2 | np. Tworzywa sztuczne i kompozyty | | I | 2 | | 0,6 | | zal. oc. | | | o |  | |  | |  | |  | |  | |  | | 3 | ………………………………….. | | I |  | |  | |  | | |  |  | |  | |  | |  | |  | |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | | x |  | |  | |  | |  | |  | |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | | x |  | |  | |  | |  | |  | |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | | x |  | |  | |  | |  | |  | |  | | **Liczba punktów ECTS/godz. dyd. w semestrze 1** | | | |  | |  | | x | | | x |  | |  | |  | |  | |  | |  | |  |  | |  |  | |  | |  | | |  |  | |  | |  | |  | |  | |  | | **Rok studiów: 1, semestr: 2** | | |  |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | Lp. | Nazwa przedmiotu/grupy zajęć | | Semestr | Liczba  punktów ECTS | | Punkty ECTS  za zajęcia praktyczne | | Forma zaliczenia | | Status przedmiotu:  obligatoryjny lub fakultatywny | | | Liczba godzin realizowanych z bezpośrednim udziałem nauczyciela akademickiego lub innej osoby prowadzącej zajęcia | | | | | | | | Praktyka | Praca dyplomowa | | ogółem zajęcia dydaktyczne | | wykład | | ćwiczenia | | inne | | | **Grupa treści** | | | | | | | | | | | | | | | | | | | | | | | | **I - WYMAGANIA OGÓLNE** | | | | | | | | | | | | | | | | | | | | | | | | 1 | Język obcy I | | II | 2 | | 1 | | zal. oc. | | f | | |  | |  | |  | |  | |  |  | | 2 | Przedmiot do wyboru 1 np. 1) Ergonomia przemysłowa, 2) Bezpieczeństwo stanowiska pracy | | II | 2 | | 0,6 | | zal. oc. | | f | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **II – PODSTAWOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Matematyka 2 | | II | 5 | | 1,2 | | egz. | | o | | |  | |  | |  | |  | |  |  | | 2 | np. Fizyka | | II | 4 | | 1,2 | | zal. oc. | | o | | |  | |  | |  | |  | |  |  | | 3 | …………………………………. | | II |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **III – KIERUNKOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Geometria i grafika inżynierska 2 | | II | 2,5 | | 1,2 | | zal. oc. | | o | | |  | |  | |  | |  | |  |  | | 2 | Np. Przedmiot do wyboru 2 1) Zarządzanie środowiskiem i ekologia 2) Environment management and ecology | | II | 2 | | 0,6 | | zal. oc. | | f | | |  | |  | |  | |  | |  |  | | 3 | …………………………………… | | II |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **V – PRAKTYKA** | | | | | | | | | | | | | | | | | | | | | | | | 1 | Praktyka zawodowa 1 | | II | 10 | | 10 | | zal. | | f | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **VI – INNE\*** | | | | | | | | | | | | | | | | | | | | | | | | 1 | Szkolenie w zakresie bezpieczeństwa i higieny pracy | | II | 0,5 | | 0 | | zal. | | o | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | | 0,5 | | 0 | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **Liczba punktów ECTS/godz. dyd. w semestrze 2** | | | |  | |  | | **x** | | **x** | | |  | |  | |  | |  | |  |  | | **Liczba punktów ECTS/godz. dyd. na I roku studiów** | | | |  | |  | | **x** | | **x** | | |  | |  | |  | |  | |  |  | | **Rok studiów: 2, semestr: 3** | | |  |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | Lp. | Nazwa przedmiotu/grupy zajęć | | Semestr | Liczba  punktów ECTS | | Punkty ECTS  za zajęcia praktyczne | | Forma zaliczenia | | Status przedmiotu:  obligatoryjny lub fakultatywny | | | Liczba godzin realizowanych z bezpośrednim udziałem nauczyciela akademickiego lub innej osoby prowadzącej zajęcia | | | | | | | | Praktyka | Praca dyplomowa | | ogółem zajęcia dydaktyczne | | wykład | | ćwiczenia | | inne | | | **Grupa treści** | | | | | | | | | | | | | | | | | | | | | | | | **I - WYMAGANIA OGÓLNE** | | | | | | | | | | | | | | | | | | | | | | | | 1 | Przedmioty ogólnouczelniane | | III | 2 | | 0 | | zal. oc. | | f | | |  | |  | |  | |  | |  |  | | 2 | Język obcy II | | III | 2 | | 1 | | zal. oc. | | f | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **II - PODSTAWOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Mechanika techniczna 2 | | III | 4 | | 1,2 | | egz. | | o | | |  | |  | |  | |  | |  |  | | 2 | np. Wytrzymałość materiałów 1 | | III | 4 | | 1,2 | | egz. | | o | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **III - KIERUNKOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Komputerowe wspomaganie projektowania 1 | | III | 3,5 | | 1,2 | | zal. oc. | | o | | |  | |  | |  | |  | |  |  | | 2 | np. Elektrotechnika | | III | 4 | | 1,8 | | egz. | | o | | |  | |  | |  | |  | |  |  | | 4 | …………………………………………… | | III |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **Liczba punktów ECTS/godz. dyd. w semestrze 3** | | | |  | |  | | **x** | | **x** | | |  | |  | |  | |  | |  |  | |  |  | |  |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | **Rok studiów: 2, semestr: 4** | | |  |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | Lp. | Nazwa przedmiotu/grupy zajęć | | Semestr | Liczba  punktów ECTS | | Punkty ECTS  za zajęcia praktyczne | | Forma zaliczenia | | Status przedmiotu:  obligatoryjny lub fakultatywny | | | Liczba godzin realizowanych z bezpośrednim udziałem nauczyciela akademickiego lub innej osoby prowadzącej zajęcia | | | | | | | | Praktyka | Praca dyplomowa | | ogółem zajęcia dydaktyczne | | wykład | | ćwiczenia | | inne | | | **Grupa treści** | | | | | | | | | | | | | | | | | | | | | | | | **I - WYMAGANIA OGÓLNE** | | | | | | | | | | | | | | | | | | | | | | | | 1 | Język obcy III | | IV | 2 | | 1 | | zal. oc. | | f | | |  | |  | |  | |  | |  |  | | 2 | Wychowanie fizyczne I | | IV | 0 | | 0 | | zal. oc. | | f | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **II - PODSTAWOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Wytrzymałość materiałów 2 | | IV | 4 | | 1,8 | | egz. | | o | | |  | |  | |  | |  | |  |  | | 2 | np. Teoria maszyn i mechanizmów | | IV | 2 | | 1,2 | | zal. oc. | | o | | |  | |  | |  | |  | |  |  | | 3 | …………………………………….. | | IV |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | 4 | ……………………………………. | |  |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **III – KIERUNKOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Podstawy konstrukcji maszyn 1 | | IV | 3,5 | | 1,2 | | zal. oc. | | o | | |  | |  | |  | |  | |  |  | | 2 | np. Termodynamika techniczna | | IV | 2,5 | | 1,2 | | egz. | | o | | |  | |  | |  | |  | |  |  | | 3 | ……………………………….. | | IV |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | 4 | ………………………………… | | IV |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **V - PRAKTYKA** | | | | | | | | | | | | | | | | | | | | | | | | 1 | Praktyka zawodowa 2 | | IV | 11 | | 11 | | zal. | | f | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **VI - INNE** | | | | | | | | | | | | | | | | | | | | | | | | 1 | Ergonomia | | IV | 0,25 | | 0 | | zal. | | o | | |  | |  | |  | |  | |  |  | | 2 | Ochrona własności intelektualnej | | IV | 0,25 | | 0 | | zal. | | o | | |  | |  | |  | |  | |  |  | | 3 | Etykieta | | IV | 0,5 | | 0 | | zal. | | o | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | | 0 | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | | 0 | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | | 0 | | x | | x | | |  | |  | |  | |  | |  |  | | **Liczba punktów ECTS/godz. dyd. w semestrze 4** | | | |  | |  | | **x** | | **x** | | |  | |  | |  | |  | |  |  | | **Liczba punktów ECTS/godz. dyd. na II roku studiów** | | | |  | |  | | **x** | | **x** | | |  | |  | |  | |  | |  |  | | **Rok studiów: 3, semestr: 5** | | |  |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | Lp. | Nazwa przedmiotu/grupy zajęć | | Semestr | Liczba  punktów ECTS | | Punkty ECTS  za zajęcia praktyczne | | Forma zaliczenia | | Status przedmiotu:  obligatoryjny lub fakultatywny | | | Liczba godzin realizowanych z bezpośrednim udziałem nauczyciela akademickiego lub innej osoby prowadzącej zajęcia | | | | | | | | Praktyka | Praca dyplomowa | | ogółem zajęcia dydaktyczne | | wykład | | ćwiczenia | | inne | | | **Grupa treści** | | | | | | | | | | | | | | | | | | | | | | | | **I - WYMAGANIA OGÓLNE** | | | | | | | | | | | | | | | | | | | | | | | | 1 | Język obcy IV | | V | 2 | | 1 | | egz. | | f | | |  | |  | |  | |  | |  |  | | 2 | Wychowanie fizyczne II | | V | 0 | | 0 | | zal. oc. | | f | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **II - PODSTAWOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Mechanika płynów | | V | 4 | | 1,2 | | egz. | | o | | | 45 | | 15 | | 30 | | 4 | | 0 | 0 | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **III - KIERUNKOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Przedmiot kształcenia praktycznego 2/ Podstawy konstrukcji maszyn 2 | | V | 4 | | 1,8 | | egz. | | O | | | 45 | | 30 | | 15 | | 2 | | 0 | 0 | | 2 | np. Napęd i sterowanie hydrauliczne i pneumatyczne | | V | 2,5 | | 0,6 | | zal. oc. | | O | | | 30 | | 15 | | 15 | | 1 | | 0 | 0 | | 3 | …………………………………………………… | |  |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **IV - ZWIĄZANYCH Z ZAKRESEM KSZTAŁCENIA** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Przedmiot kształcenia praktycznego 3 / Komputerowe wspomaganie wytwarzania 2 | | V | 2 | | 0,6 | | zal. oc. | | F | | |  | |  | |  | |  | |  |  | | 2 | np. Przedmiot kształcenia praktycznego 4 Komputerowe wspomaganie analiz inżynierskich | | V | 4 | | 0,6 | | zal. oc. | | F | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | |  | |  | | x | | x | | |  | |  | |  | |  | |  |  | | **Liczba punktów ECTS/godz. dyd. w semestrze 5** | | | |  | |  | | **x** | | **x** | | |  | |  | |  | |  | |  |  | |  |  | |  |  | |  | |  | |  | | |  | |  | |  | |  | |  |  | | **Rok studiów: 3, semestr: 6** | |  | | |  | |  | |  |  | |  | | |  | |  | |  | |  |  | | Lp. | Nazwa przedmiotu/grupy zajęć | Semestr | | | Liczba  punktów ECTS | | Punkty ECTS  za zajęcia praktyczne | | Forma zaliczenia | Status przedmiotu:  obligatoryjny lub fakultatywny | | Liczba godzin realizowanych z bezpośrednim udziałem nauczyciela akademickiego lub innej osoby prowadzącej zajęcia | | | | | | | | | Praktyka | Praca dyplomowa | | ogółem zajęcia dydaktyczne | | | wykład | | ćwiczenia | | inne | | | **Grupa treści** | | | | | | | | | | | | | | | | | | | | | | | | **II - PODSTAWOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Statystyczna eksploracja danych | VI | | | 2,5 | | 1,2 | | zal. oc. | o | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | **III - KIERUNKOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Podstawy konstrukcji maszyn 3 | VI | | | 3 | | 1,8 | | zal. oc. | o | |  | | |  | |  | |  | |  |  | | 2 | ………………………………………. | VI | | | . | | 1,2 | | egz. | o | |  | | |  | |  | |  | |  |  | | 3 | ……………………………………….. | VI | | | 2 | | 0,6 | | zal. oc. | o | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | **IV - ZWIĄZANYCH Z ZAKRESEM KSZTAŁCENIA** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Przedmiot kształcenia praktycznego 5 Wstęp do metod numerycznych | VI | | | 4 | | 1,2 | | egz. | f | |  | | |  | |  | |  | |  |  | | 2 | np. Przedmiot kształcenia praktycznego 6 Komputerowe wspomaganie projektowania typowych konstrukcji | VI | | | 4 | | 0,6 | | egz. | f | |  | | |  | |  | |  | |  |  | | 3 | np. Przedmiot kształcenia praktycznego 7 Praca przejściowa konstrukcyjna | VI | | | 3 | | 0,6 | | zal. oc. | f | |  | | |  | |  | |  | |  |  | | 4 | np. Przedmiot kształcenia praktycznego 8 Technologie napraw części maszyn | VI | | | 2 | | 0,6 | | zal. oc. | f | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | **V - PRAKTYKA** | | | | | | | | | | | | | | | | | | | | | | | | 1 | Praktyka zawodowa 3 | IV | | | 11 | | 11 | | zal. | f | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | | | 11 | | 11 | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | **Liczba punktów ECTS/godz. dyd. w semestrze 6** | | | | |  | |  | | **x** | **x** | |  | | |  | |  | |  | |  |  | | **Liczba punktów ECTS/godz. dyd. na III roku studiów** | | | | |  | |  | | **x** | **x** | |  | | |  | |  | |  | |  |  | | **Rok studiów: 4, semestr: 7** | |  | | |  | |  | |  |  | |  | | |  | |  | |  | |  |  | | Lp. | Nazwa przedmiotu/grupy zajęć | Semestr | | | Liczba  punktów ECTS | | Punkty ECTS  za zajęcia praktyczne | | Forma zaliczenia | Status przedmiotu:  obligatoryjny lub fakultatywny | | Liczba godzin realizowanych z bezpośrednim udziałem nauczyciela akademickiego lub innej osoby prowadzącej zajęcia | | | | | | | | | Praktyka | Praca dyplomowa | | ogółem zajęcia dydaktyczne | | | wykład | | ćwiczenia | | inne | | | **Grupa treści** | | | | | | | | | | | | | | | | | | | | | | | | **III - KIERUNKOWYCH** | | | | | | | | | | | | | | | | | | | | | | | | 1 | Seminarium dyplomowe\*\* | VII | | | 2,5 | | 1,2 | | zal. oc. | f | |  | | |  | |  | |  | |  |  | | 2 | Praca dyplomowa\*\* | VII | | | 15 | | 15 | | zal. | f | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | **IV - ZWIĄZANYCH Z ZAKRESEM KSZTAŁCENIA** | | | | | | | | | | | | | | | | | | | | | | | | 1 | np. Przedmiot kształcenia praktycznego 9 - Inżynieria produkcji | VII | | | 2,5 | | 0,6 | | zal. oc. | f | |  | | |  | |  | |  | |  |  | | 2 | np. Przedmiot kształcenia praktycznego 10 - Narzędzia skrawające | VII | | | 2,5 | | 0,6 | | zal. oc. | f | |  | | |  | |  | |  | |  |  | | 3 | ………………………………………………………….. | VII | | |  | |  | |  | f | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (ogółem) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | **Liczba punktów ECTS/godz. dyd. w semestrze 7** | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  | | **Liczba punktów ECTS/godz. dyd. na IV roku studiów** | | | | |  | |  | | x | x | |  | | |  | |  | |  | |  |  |  1. **Przedmioty humanistyczne/społeczne** (*z obowiązującej listy przedmiotów*) 2. **Przedmioty ogólnouczelniane** (*z obowiązującej listy przedmiotów*)  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Tabela podsumowująca plan** | |  |  |  |  |  |  |  |  | | Lp. | Nazwa przedmiotu/grupy zajęć | Liczba  punktów ECTS | Punkty ECTS  za zajęcia praktyczne | Liczba godzin realizowanych  z bezpośrednim udziałem nauczyciela akademickiego lub innej osoby prowadzącej zajęcia | | | | Praktyka | Praca dyplomowa | | ogółem zajęcia dydaktyczne | wykład | ćwiczenia | inne | | **Liczba punktów ECTS/godz. dyd. w planie studiów** | |  |  |  |  |  |  |  |  | | **Grupa treści** | | | | | | | | | | | **I - WYMAGANIA OGÓLNE** | | | | | | | | | | | Liczba punktów ECTS/godz. dyd. (ogółem) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | |  |  |  |  |  |  |  |  | | **II - PODSTAWOWYCH** | | | | | | | | | | | Liczba punktów ECTS/godz. dyd. (ogółem) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | |  |  |  |  |  |  |  |  | | **III - KIERUNKOWYCH** | | | | | | | | | | | Liczba punktów ECTS/godz. dyd. (ogółem) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | |  |  |  |  |  |  |  |  | | **IV - ZWIĄZANYCH Z ZAKRESEM KSZTAŁCENIA** | | | | | | | | | | | Liczba punktów ECTS/godz. dyd. (ogółem) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | |  |  |  |  |  |  |  |  | | **V - PRAKTYKA** | | | | | | | | | | | Liczba punktów ECTS/godz. dyd. (ogółem) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | |  |  |  |  |  |  |  |  | | **VI - INNE** | | | | | | | | | | | Liczba punktów ECTS/godz. dyd. (ogółem) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (zajęcia praktyczne) | |  |  |  |  |  |  |  |  | | Liczba punktów ECTS/godz. dyd. (przedmioty fakultatywne) | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | | **Lp.** | **Punkty ECTS sumaryczne wskaźniki ilościowe,**  **w tym zajęcia:** | **Punkty ECTS** | |  |  |  |  |  |  | | **Liczba** | **%** |  |  |  |  |  |  | | **Ogółem - plan studiów** | |  |  |  |  |  |  |  |  | | 1 | wymagające bezpośredniego udziału nauczyciela akademickiego lub innych osób prowadzących zajęcia |  |  |  |  |  |  |  |  | | 2 | z zakresu nauk podstawowych |  |  |  |  |  |  |  |  | | 3 | o charakterze praktycznym (laboratoryjne, projektowe, warsztatowe) |  |  |  |  |  |  |  |  | | 4 | ogólnouczelniane lub realizowane na innym kierunku |  |  |  |  |  |  |  |  | | 5 | zajęcia do wyboru - co najmniej 30% punktów ECTS |  |  |  |  |  |  |  |  | | 6 | wymiar praktyk |  |  |  |  |  |  |  |  | | 7 | zajęcia z wychowania fizycznego |  |  |  |  |  |  |  |  | | 8 | zajęcia z języka obcego |  |  |  |  |  |  |  |  | | 9 | przedmioty z dziedziny nauk humanistycznych lub nauk społecznych |  |  |  |  |  |  |  |  | | 10 | zajęcia kształtujące umiejętności praktyczne (dotyczy profilu praktycznego) |  |  |  |  |  |  |  |  | | 11 | zajęcia związane z prowadzoną w uczelni działalnością naukową w dyscyplinie/ach, do których przyporządkowano kierunek studiów (dotyczy profilu ogólnoakademickiego) |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | | **II** | **Procentowy udział pkt ECTS dla każdej z dyscyplin naukowych w łącznej liczbie punktów ECTS** | **%** |  |  |  |  |  |  |  | | 1 | ……………………………………… |  |  |  |  |  |  |  |  | | 2 | ………………………………………. |  |  |  |  |  |  |  |  | | **Ogółem:** | |  |  |  |  |  |  |  |  |   **\***ergonomia, etykieta, ochrona własności intelektualnej, szkolenie w zakresie bezpieczeństwa i higieny pracy – przedmioty obowiązkowe, realizowane w semestrach ustalonych na wydziale/Szkole/Filii  **\*\***dopuszcza się możliwość uwzględnienia pracy dyplomowej łącznie z seminarium dyplomowym |  |  |  |  |  |  |  |  |  |  |  |