Załącznik nr 3 do Uchwały nr 24/2019 Rady Wydziału Przyrodniczo-Technicznego z dnia 9 lipca 2019 roku

**Wydział Przyrodniczo-Techniczny Karkonoskiej Państwowej Szkoły Wyższej w Jeleniej Górze**
**Kierunek Fizjoterapia**

5 letnie studia magisterskie
studia stacjonarne
od roku akademickiego 2018/2019

A

| Lp | Nazwa modułu/przedmiotu | Założenia ECTS | E, Z/O, Z | Razem | godziny kontaktowe | forma zajęć: wykłady | forma zajęć: semin. | forma zajęć: ćwicz. | forma zajęć: laboratoria | forma zajęć: bez nauczyciela | Razem ECTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **MODUŁ A PODSTAWOWE NAUKI MEDYCZNE** | | | | | | | | | | |
| 1 | Anatomia (anatomia prawidłowa, funkcjonalna, rentgenowska, palpacyjna). | 7 | E | 210 | 105 | 30 | 0 | 75 | 0 | 105 | 7 |
| 2 | Biologia medyczna | 1 | z/o | 30 | 25 | 10 | 0 | 15 | 0 | 5 | 1 |
| 3 | Genetyka | 1 | z/o | 30 | 25 | 10 | 0 | 15 | 0 | 5 | 1 |
| 4 | Biochemia | 2 | E | 60 | 45 | 15 | 0 | 30 | 0 | 15 | 2 |
| 5 | Fizjologia ( fizjologia ogólna, fizjologia wysiłku fizycznego, fizjologia bólu, diagnostyka fizjologiczna) | 4 | E | 120 | 90 | 30 | 0 | 60 | 0 | 30 | 4 |
| 6 | Farmakologia w fizjoterapii | 1 | z/o | 30 | 10 | 10 | 0 | 0 | 0 | 20 | 1 |
| 7 | Biofizyka | 1 | z/o | 30 | 15 | 0 | 0 | 15 | 0 | 15 | 1 |
| 8a | Biomechanika ( biomechanika stosowana i ergonomia, biomechanika kliniczna ) | 2 | E | 60 | 45 | 15 | 0 | 30 | 0 | 15 | 2 |
| 9 | Kinezjologia | 2 | E | 60 | 45 | 15 | 0 | 30 | 0 | 15 | 2 |
| 10 | Patologia ogólna | 2 | z/o | 60 | 30 | 30 | 0 | 0 | 0 | 30 | 2 |
| 11 | Pierwsza pomoc przedmedyczna | 1 | z/o | 30 | 25 | 0 | 0 | 25 | 0 | 5 | 1 |
| | **MODUŁ B NAUKI OGÓLNE Z JĘZYKIEM OBCYM** | | | | | | | | | | |
| 12 | Język obcy do wyboru (poziom B2+)* | 8 | E | 240 | 120 | 0 | 120 | 0 | 0 | 120 | 8 |
| 13 | Wychowanie fizyczne | 0 | z | 30 | 30 | 0 | 0 | 30 | 0 | 0 | 0 |
| 14 | Psychologia (psychologia ogólna, psychologia kliniczna, psychoterapia, komunikacja interpersonalna) | 3 | E | 90 | 45 | 15 | 0 | 30 | 0 | 45 | 3 |
| 15 | Pedagogika ( pedagogika ogólna, pedagogika specjalna) | 2 | z/o | 60 | 30 | 15 | 0 | 15 | 0 | 30 | 2 |
| 16 | Dydaktyka fizjoterapii | 2 | z/o | 30 | 10 | 10 | 0 | 0 | 0 | 20 | 1 |
| 17 | Socjologia (socjologia ogólna, socjologia niepełnosprawności) | 2 | z/o | 60 | 30 | 15 | 0 | 15 | 0 | 30 | 2 |
| 18 | Podstawy prawa (prawa własności intelektualnej, prawa medycznego, prawa cywilnego, prawa pracy) | 2 | z/o | 30 | 10 | 10 | 0 | 0 | 0 | 20 | 1 |
| 19 | Zdrowie publiczne | 2 | z/o | 60 | 30 | 15 | 0 | 15 | 0 | 30 | 2 |
| 20 | Demografia i epidemiologia | 1 | z/o | 30 | 15 | 0 | 0 | 15 | 0 | 15 | 1 |
| 21 | Metodologia badań naukowych i statystyka | 3 | z/o | 30 | 30 | 15 | 0 | 15 | 0 | 0 | 1 |
| 22 | Ekonomia i systemy ochrony zdrowia | 2 | z/o | 30 | 10 | 10 | 0 | 0 | 0 | 20 | 1 |
| 23 | Zarządzanie i marketing | 2 | z/o | 30 | 10 | 10 | 0 | 0 | 0 | 20 | 1 |
| 24 | Filozofia | 1 | E | 30 | 15 | 15 | 0 | 0 | 0 | 15 | 1 |
| 25 | Bioetyka | 1 | z/o | 30 | 15 | 15 | 0 | 0 | 0 | 15 | 1 |
| 26 | Historia rehabilitacji | 1 | z/o | 30 | 15 | 15 | 0 | 0 | 0 | 15 | 1 |
| | **MODUŁ C NAUKI W ZAKRESIE PODSTAW FIZJOTERAPII** | | | | | | | | | | |
| 27 | Fizjoterapia ogólna | 4 | E | 120 | 90 | 30 | 0 | 60 | 0 | 30 | 4 |
| 28 | Kształcenie ruchowe i metodyka nauczania ruchu | 6 | z/o | 180 | 135 | 45 | 0 | 90 | 0 | 45 | 6 |
| 29 | Kinezyterapia | 7 | E | 210 | 150 | 30 | 0 | 0 | 120 | 60 | 7 |
| 30 | Terapia manualna | 2 | z/o | 60 | 45 | 15 | 0 | 30 | 0 | 15 | 2 |
| 31 | Medycyna fizykalna (fizykoterapia, balneoklimatologia, odnowa biologiczna) | 6 | E | 180 | 150 | 30 | 0 | 0 | 120 | 30 | 6 |
| 32 | Masaż | 2 | E | 90 | 45 | 15 | 0 | 0 | 30 | 45 | 3 |
| 33 | Metody specjalne fizjoterapii | 8 | z/o | 240 | 60 | 0 | 0 | 0 | 60 | 180 | 8 |
| 34 | Adaptowana aktywnośc fizyczna i sport osób z niepełnosprawnościami | 4 | z/o | 90 | 30 | 0 | 0 | 30 | 0 | 60 | 3 |
| 35 | Wyroby medyczne (zaopatrzenie ortopedyczne), protetyka i ortotyka | 2 | E | 90 | 30 | 15 | 0 | 0 | 15 | 60 | 3 |
| 36 | Fizjoprofilaktyka i promocja zdrowia | 2 | z/o | 60 | 45 | 15 | 0 | 30 | 0 | 15 | 2 |
| | **MODUŁ D NAUKI W ZAKRESIE FIZJOTERAPII KLINICZNEJ** | | | | | | | | | | |
| | **KLINICZNE PODSTAWY FIZJOTERAPII** | 17 | z/o | 630 | 375 | 45 | 0 | 0 | 330 | 255 | 21 |
| 37 | Kliniczne podstawy fizjoterapii | 3 | z/o | 60 | 30 | 30 | 0 | 0 | 0 | 30 | 2 |
| A | Kliniczne podstawy fizjoterapii w ortopedii i traumatologii, medycynie sportowej | 3 | z/o | 60 | 45 | 0 | 0 | 0 | 45 | 15 | 2 |
| B | Kliniczne podstawy fizjoterapii w reumatologii | 1 | z/o | 60 | 45 | 0 | 0 | 0 | 45 | 15 | 2 |
| C | Kliniczne podstawy fizjoterapii w neurologii i neurochirurgii | 2 | z/o | 60 | 45 | 0 | 0 | 0 | 45 | 15 | 2 |
| D | Kliniczne podstawy fizjoterapii w pediatrii, neurologii dziecięcej | 1 | z/o | 60 | 45 | 0 | 0 | 0 | 45 | 15 | 2 |
| E | Kliniczne podstawy fizjoterapii w kardiologii i kardiochirurgii | 2 | z/o | 90 | 45 | 15 | 0 | 0 | 30 | 45 | 3 |
| F | Kliniczne podstawy fizjoterapii w pulmonologii | 2 | z/o | 30 | 15 | 0 | 0 | 0 | 15 | 15 | 1 |
| G | Kliniczne podstawy fizjoterapii w chirurgii | 1 | z/o | 30 | 15 | 0 | 0 | 0 | 15 | 15 | 1 |
| H | Kliniczne podstawy fizjoterapii w ginekologii i położnictwie | 1 | z/o | 30 | 15 | 0 | 0 | 0 | 15 | 15 | 1 |
| I | Kliniczne podstawy fizjoterapii w geriatrii | 1 | z/o | 60 | 30 | 0 | 0 | 0 | 30 | 30 | 2 |
| J | Kliniczne podstawy fizjoterapii w psychiatrii | 1 | z/o | 30 | 15 | 0 | 0 | 0 | 15 | 15 | 1 |
| K | Kliniczne podstawy fizjoterapii w intensywnej terapii | 1 | z/o | 30 | 15 | 0 | 0 | 0 | 15 | 15 | 1 |
| L | Kliniczne podstawy fizjoterapii w onkologii i medycyny paliatywnej | 1 | z/o | 30 | 15 | 0 | 0 | 0 | 15 | 15 | 1 |

| Lp | I rok | | | | | | | II rok | | | | | | | III rok | | | | | | | IV rok | | | | | | | V rok | | | | | | |
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| | semestr 1 15 tyg. | | | | | | | semestr 2 15 tyg. | | | | | | | semestr 3 15 tyg. | | | | | | | semestr 4 15 tyg. | | | | | | | semestr 5 15 tyg. | | | | | | |
| | wykł. | semin. | ćwicz. | zajęcia praktyczne | bez nauczyciela | ECTS | | wykł. | semin. | ćwicz. | zajęcia praktyczne | bez nauczyciela | ECTS | | wykł. | semin. | ćwicz. | zajęcia praktyczne | bez nauczyciela | ECTS | | wykł. | semin. | ćwicz. | zajęcia praktyczne | bez nauczyciela | ECTS | | wykł. | semin. | ćwicz. | zajęcia praktyczne | bez nauczyciela | ECTS | |
| 1 | 15 | | 30 | | 45 | 3 | | 15 | | 45 | | 60 | 4 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 2 | 10 | | 15 | | 5 | 1 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 3 | | | | | | 0 | | 10 | | 15 | | 5 | 1 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 4 | 15 | | 30 | | 15 | 2 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 5 | | | | | | 0 | | | | | | | 0 | | 15 | | 30 | | 15 | 2 | | 15 | | 30 | | 15 | 2 | | | | | | | 0 | |
| 6 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | 10 | | | | 20 | 1 | | | | | | | 0 | |
| 7 | | | | | | | | | | 15 | | 15 | 1 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 8a | | | | | | 0 | | | | | | | 0 | | 15 | | 30 | | 15 | 2 | | | | | | | 0 | | | | | | | 0 | |
| 9 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | 15 | | 30 | | 15 | 2 | | 0 |
| 10 | | | | | | 0 | | | | | | | 0 | 30 | | | | | 30 | 2 | | | | | | | 0 | | | | | | | 0 | |
| 11 | | | 25 | | 5 | 1 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | 30 | | | 30 | 2 | | | 30 | | | 30 | 2 | | | 30 | | | 30 | 2 | | | 30 | | | 30 | 2 | | | | | | | 0 | |
| 13 | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | 15 | | 30 | 2 | | | | 15 | | 15 | 1 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 15 | | | | | | 0 | | 15 | | 15 | | 30 | 2 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 16 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 17 | 15 | | 15 | | 30 | 2 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 18 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 19 | | | | | | 0 | | 15 | | 15 | | 30 | 2 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 20 | | | 15 | | 15 | 1 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 21 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 22 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 23 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 24 | 15 | | | | 15 | 1 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 25 | | | | | | 0 | | 15 | | | | 15 | 1 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 26 | 15 | | | | 15 | 1 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 15 | | 30 | | 15 | 2 | | 15 | | 30 | | 15 | 2 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 28 | 15 | | 30 | | 15 | 2 | | 15 | | 30 | | 15 | 2 | | 15 | | 30 | | 15 | 2 | | | | | | | 0 | | | | | | | 0 | |
| 29 | | | | | | 0 | | 15 | | | 60 | 15 | 3 | | 15 | | | 60 | 45 | 4 | | | | | | | 0 | | | | | | | 0 | |
| 30 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | 15 | | 30 | | 15 | 2 | | | | | | | 0 | |
| 31 | | | | | | 0 | | 15 | | | 60 | 15 | 3 | | 15 | | | 60 | 15 | 3 | | | | | | | 0 | | | | | | | 0 | |
| 32 | | | | | | 0 | | | | | 60 | 15 | 0 | | 15 | | | 30 | 45 | 3 | | | | | | | 0 | | | | | | | 0 | |
| 33 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 34 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 35 | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | |
| 36 | | | | | | 0 | | | | | | | 0 | 15 | | 30 | | 15 | 2 | | | | | | | | 0 | | | | | | | 0 | |
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| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 15 | 0 | 0 | 180 | 75 | 9 | | 30 | 0 | 0 | 150 | 180 | 12 | |
| A | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | 15 | | | | 15 | 1 | |
| B | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | 45 | 15 | 2 | | | | | | | | 0 | |
| C | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | 45 | 15 | 2 | | | | | | | | 0 | |
| D | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | 45 | 15 | 2 | | | | | | | | 0 | |
| E | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | 15 | | | 30 | 45 | 3 | | 0 |
| F | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | 15 | 15 | 1 | | 0 |
| G | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | 15 | 15 | 1 | | 0 |
| H | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | 15 | 15 | 1 | | 0 |
| I | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | 30 | 30 | 2 | | 0 |
| J | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | 15 | 15 | 1 | | 0 |
| K | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | 15 | 15 | 1 | | 0 |
| L | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | | | | 0 | | | | 15 | 15 | 1 | | 0 |

| Lp | IV rok | | | | | | | V rok | | | | | | |
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| | semestr 7 15 tyg. | | | | | | | semestr 8 15 tyg. | | | | | | |
| | wykł. | semin. | ćwicz. | zajęcia praktyczne | bez nauczyciela | ECTS | | wykł. | semin. | ćwicz. | zajęcia praktyczne | bez nauczyciela | ECTS | |
| 1 | | | | | | 0 | | | | | | | 0 | |
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| 6 | | | | | | 0 | | | | | | | 0 | |
| 7 | | | | | | 0 | | | | | | | 0 | |
| 8a | | | | | | 0 | | | | | | | 0 | |
| 9 | | | | | | 0 | | | | | | | 0 | |
| 10 | | | | | | 0 | | | | | | | 0 | |
| 11 | | | | | | 0 | | | | | | | 0 | |
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| 12 | | | | | | 0 | | | | | | | 0 | |
| 13 | | | | | | | | | | | | | | |
| 14 | | | | | | 0 | | | | | | | 0 | |
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| 16 | | | | | 20 | 1 | | | | | | | 0 | |
| 17 | | | | | | 0 | | | | | | | 0 | |
| 18 | 10 | | | 20 | 1 | | | | | | | | 0 | |
| 19 | | | | | | 0 | | | | | | | 0 | |
| 20 | | | | | | 0 | | | | | | | 0 | |
| 21 | | | | | | 0 | | 15 | | 15 | | | 1 | |
| 22 | | | | | | 0 | | 10 | | | | 20 | 1 | |
| 23 | 10 | | | 20 | 1 | | | | | | | | 0 | |
| 24 | | | | | | 0 | | | | | | | 0 | |
| 25 | | | | | | 0 | | | | | | | 0 | |
| 26 | | | | | | 0 | | | | | | | 0 | |
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| 27 | | | | | | 0 | | | | | | | 0 | |
| 28 | | | | | | 0 | | | | | | | 0 | |
| 29 | | | | | | 0 | | | | | | | 0 | |
| 30 | | | | | | 0 | | | | | | | 0 | |
| 31 | | | | | | 0 | | | | | | | 0 | |
| 32 | | | | | | 0 | | | | | | | 0 | |
| 33 | | | | | | 0 | | | | 15 | 45 | | 2 | |
| 34 | | | | 30 | 60 | 3 | | | | | | | 0 | |
| 35 | 15 | | | 15 | 60 | 3 | | | | | | | 0 | |
| 36 | | | | | | 0 | | | | | | | 0 | |
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| | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| A | | | | | | 0 | | | | | | | 0 | |
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| C | | | | | | 0 | | | | | | | 0 | |
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| F | | | | | | 0 | | | | | | | 0 | |
| G | | | | | | 0 | | | | | | | 0 | |
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| **38** | **FIZJOTERAPIA KLINICZNA W DYSFUNKCJACH UKŁADU RUCHU** | **17** | | **420** | **270** | **60** | **0** | **0** | **210** | **150** | **14** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 210 | 150 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| A | Fizjoterapia w ortopedii i traumatologii, medycynie sportowej | 5 | E | 120 | 75 | 15 | 0 | 0 | 60 | 45 | 4 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 15 | | | 60 | 45 | 4 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| B | Fizjoterapia w reumatologii | 2 | E | 90 | 60 | 15 | 0 | 0 | 45 | 30 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 15 | | | 45 | 30 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| C | Fizjoterapia w neurologii i neurochirurgii | 5 | E | 120 | 75 | 15 | 0 | 0 | 60 | 45 | 4 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 15 | | | 60 | 45 | 4 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| D | Fizjoterapia w wieku rozwojowym | 5 | z/o | 90 | 60 | 15 | 0 | 0 | 45 | 30 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 15 | | | 45 | 30 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| **39** | **FIZJOTERAPIA KLINICZNA W CHOROBACH WEWNĘTRZNYCH** | **20** | | **570** | **315** | **45** | **0** | **0** | **270** | **255** | **19** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 270 | 255 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| A | Fizjoterapia w kardiologii i kardiochirurgii | 4 | E | 90 | 60 | 15 | 0 | 0 | 45 | 30 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 15 | | | 45 | 30 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| B | Fizjoterapia w pulmonologii | 3 | E | 90 | 45 | 15 | 0 | 0 | 30 | 45 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 15 | | | 30 | 45 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| C | Fizjoterapia w chirurgii | 2 | z/o | 60 | 30 | 0 | 0 | 0 | 30 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | 30 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| D | Fizjoterapia w ginekologii i położnictwie | 2 | z/o | 60 | 30 | 0 | 0 | 0 | 30 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | 30 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| E | Fizjoterapia w pediatrii | 3 | z/o | 90 | 45 | 0 | 0 | 0 | 45 | 45 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | 45 | 45 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| F | Fizjoterapia w geriatrii | 2 | E | 90 | 60 | 15 | 0 | 0 | 45 | 30 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 15 | | | 45 | 30 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| G | Fizjoterapia w psychiatrii | 2 | z/o | 30 | 15 | 0 | 0 | 0 | 15 | 15 | 1 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | 15 | 15 | 1 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| H | Fizjoterapia w onkologii i medycynie paliatywnej | 2 | z/o | 60 | 30 | 0 | 0 | 0 | 30 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | 30 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| **40** | **DIAGNOSTYKA FUNKCJONALNA** | **10** | | **360** | **215** | **35** | **0** | **0** | **180** | **145** | **12** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 45 | 30 | 3 | 20 | 0 | 0 | 135 | 115 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| A | Diagnostyka funkcjonalna w dysfunkcjach układu ruchu | 3 | z/o | 180 | 105 | 15 | 0 | 0 | 90 | 75 | 6 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 15 | | | 45 | 30 | 3 | | | | 45 | 45 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| B | Diagnostyka funkcjonalna w chorobach wewnętrznych | 4 | z/o | 90 | 55 | 10 | 0 | 0 | 45 | 35 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 10 | | | 45 | 35 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| C | Diagnostyka funkcjonalna w wieku rozwojowym | 3 | z/o | 90 | 55 | 10 | 0 | 0 | 45 | 35 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 10 | | | 45 | 35 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| **41** | **PROGRAMOWANIE REHABILITACJI** | **26** | | **840** | **330** | **0** | **0** | **0** | **330** | **510** | **28** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 210 | 11 | 0 | 0 | 0 | 210 | 300 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| A | Programowanie rehabilitacji w dysfunkcjach układu ruchu | 10 | E | 360 | 150 | 0 | 0 | 0 | 150 | 210 | 12 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | 60 | 90 | 5 | | | | 90 | 120 | 7 | | | | | | 0 | | | | | | 0 |
| B | Programowanie rehabilitacji w chorobach wewnętrznych | 9 | E | 240 | 90 | 0 | 0 | 0 | 90 | 150 | 8 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | 30 | 60 | 3 | | | | 60 | 90 | 5 | | | | | | 0 | | | | | | 0 |
| C | Programowanie rehabilitacji w wieku rozwojowym | 7 | E | 240 | 90 | 0 | 0 | 0 | 90 | 150 | 8 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | 30 | 60 | 3 | | | | 60 | 90 | 5 | | | | | | 0 | | | | | | 0 |
| | | 189 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **RAZEM A:** | | | **5670** | 3160 | 705 | 120 | 670 | 1665 | 2510 | 188 | **130** | **30** | **235** | **0** | **235** | **20** | **130** | **30** | **180** | **120** | **260** | **24** | **135** | **30** | **120** | **150** | **225** | **22** | **55** | **30** | **60** | **180** | **155** | **16** | **105** | **0** | **30** | **360** | **345** | **28** | **60** | **0** | **0** | **330** | **330** | **24** | **55** | **0** | **30** | **285** | **530** | **30** | **10** | **0** | **0** | **225** | **365** | **20** | **25** | **0** | **15** | **15** | **65** | **4** | **0** | **0** | **0** | **0** | **0** | **0** |

## B PRAKTYKI

| Lp | Nazwa modułu/przedmiotu | Zalesenia ECTS | E, z/o, Z | Razem | godziny kontaktowe | forma zajęć | | Razem ECTS | I rok | | | | | | II rok | | | | | | III rok | | | | | | IV rok | | | | | | V rok | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | semestr 1 15 tyg. | | | semestr 2 15 tyg. | | | semestr 3 15 tyg. | | | semestr 4 15 tyg. | | | semestr 5 15 tyg. | | | semestr 6 15 tyg. | | | semestr 7 15 tyg. | | | semestr 8 15 tyg. | | | semestr 9 15 tyg. | | | semestr 10 15 tyg. | | |
| | | | | | | z nauczycielem | bez nauczyciela | | z nauczycielem | bez nauczyciela | ECTS | z nauczycielem | bez nauczyciela | ECTS | z nauczycielem | bez nauczyciela | ECTS | z nauczycielem | bez nauczyciela | ECTS | z nauczycielem | bez nauczyciela | ECTS | z nauczycielem | bez nauczyciela | ECTS | z nauczycielem | bez nauczyciela | ECTS | z nauczycielem | bez nauczyciela | ECTS | z nauczycielem | bez nauczyciela | ECTS | z nauczycielem | bez nauczyciela | ECTS |
| **42** | **Praktyki:** | **20** | | **600** | **600** | **600** | **0** | **20** | **0** | **0** | **0** | **60** | **0** | **2** | **0** | **0** | **0** | **180** | **0** | **6** | **0** | **0** | **0** | **180** | **0** | **6** | **0** | **0** | **0** | **180** | **0** | **6** | **0** | **0** | **0** | **0** | **0** | **0** |
| A | Praktyka asystencka/wdrożeniowa | 2 | z/o | 60 | 60 | 60 | 0 | 2 | | | 0 | 60 | | 2 | | | 0 | | 0 | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 |
| B | Praktyka w pracowni fizykoterapii i kinezyterapii | 6 | z/o | 180 | 180 | 180 | 0 | 6 | | | 0 | | | 0 | | | 0 | 180 | | 6 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 |
| C | Praktyka w zakresie fizjoterapii klinicznej dzieci i osób dorosłych (w ortopedii, reumatologii, chorób wewnętrznych, pulmonologii, kardiologii, neurologii, onkologii). | 6 | z/o | 180 | 180 | 180 | 0 | 6 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | 180 | | 6 | | | 0 | | | 0 | | | 0 | | | 0 |
| D | Praktyka w zakresie fizjoterapii klinicznej, (realizacja programów do wyboru) | 6 | z/o | 180 | 180 | 180 | 0 | 6 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | 180 | | 6 | | | 0 | | | 0 |
| **43** | **Praktyka ciągła - wybieralna** | **38** | z/o | **960** | **960** | **960** | **0** | **38** | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | **480** | | **19** | **480** | | **19** |
| | **RAZEM B:** | | | **1560** | **1560** | **1560** | **0** | **58** | **0** | **0** | 0 | **60** | **0** | **2** | **0** | **0** | **0** | **180** | **0** | **6** | **0** | **0** | **0** | **180** | **0** | **6** | **0** | **0** | **0** | **180** | **0** | **6** | **480** | **0** | **19** | **480** | | **19** |

## C INNE WYMAGANIA

| Lp | Nazwa modułu/przedmiotu | Zalesenia ECTS | E, z/o, Z | Razem | godziny kontaktowe | forma zajęć | | | | | Razem ECTS | I rok | | | | | | | | | | | | II rok | | | | | | | | | | | | III rok | | | | | | | | | | | | IV rok | | | | | | | | | | | | V rok | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | semestr 1 15 tyg. | | | | | | semestr 2 15 tyg. | | | | | | semestr 3 15 tyg. | | | | | | semestr 4 15 tyg. | | | | | | semestr 5 15 tyg. | | | | | | semestr 6 15 tyg. | | | | | | semestr 7 15 tyg. | | | | | | semestr 8 15 tyg. | | | | | | semestr 9 15 tyg. | | | | | | semestr 10 15 tyg. | | | | | |
| | | | | | | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | ECTS | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | ECTS | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | ECTS | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | ECTS | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | ECTS | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | ECTS | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | ECTS | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | ECTS | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | ECTS | wykł. | semin. | ćwicz. | zaj. praktyczne | bez nauczyciela | ECTS |
| **44** | **Praca magisterska** | **22** | | **720** | **20** | **0** | **20** | **0** | **0** | **700** | **24** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 350 | 12 | 0 | 10 | 0 | 0 | 350 | 12 |
| A | seminarium mgr; | 2 | z/o | 60 | 20 | 0 | 20 | 0 | 0 | 40 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | 10 | | | 20 | 1 | | 10 | | | 20 | 1 |
| B | praca mgr; egzamin magisterski | 15 | z | 660 | 0 | 0 | 0 | 0 | 0 | 660 | 22 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | 330 | 11 | | | | | 330 | 11 |
| **45** | **Autorska oferta uczelni:** | **30** | | **900** | **485** | **20** | **0** | **390** | **75** | **415** | **30** | 15 | 0 | 135 | 0 | 120 | 9 | 0 | 0 | 60 | 0 | 60 | 4 | 0 | 0 | 90 | 0 | 90 | 6 | 5 | 0 | 90 | 75 | 130 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| A | Zmiany biochemiczne i fizjologiczne w starzeniu się organizmu ludzkiego / Podstawy diagnostyki laboratoryjnej w fizjoterapii | 1 | z/o | 30 | 15 | 0 | 0 | 15 | 0 | 15 | 1 | | | | | | 0 | | | | | | 0 | | | 15 | | 15 | 1 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| B | Podstawy relaksacji / Mindfulness - odpowiedź na stres | 1 | z/o | 30 | 15 | 0 | 0 | 15 | 0 | 15 | 1 | | | | | | 0 | | | | | | 0 | | | 15 | | 15 | 1 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| C | Biomedyczne podstawy rozwoju człowieka / Ontogeneza człowieka | 3 | z/o | 90 | 45 | 15 | 0 | 30 | 0 | 45 | 3 | 15 | | 30 | | 45 | 3 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| D | Podstawy języka migowego / Zaawansowany język migowy w fizjoterapii | 2 | z/o | 60 | 45 | 0 | 0 | 45 | 0 | 15 | 2 | | | 45 | | 15 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| E | Techniki marszu w rehabilitacji / Podstawy aktywności ruchowej osób w podeszłym wieku | 2 | z/o | 60 | 30 | 0 | 0 | 30 | 0 | 30 | 2 | | | 30 | | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| F | Antropometria w fizjoterapii / Antroposkopia w fizjoterapii | 2 | z/o | 60 | 30 | 0 | 0 | 30 | 0 | 30 | 2 | | | | | | 0 | | | 30 | | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| G | Rekreacja i turystyka z elementami promocji regionu / Plenerowe formy rekreacji ruchowej | 2 | z/o | 60 | 30 | 0 | 0 | 30 | 0 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | 30 | | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| H | Masaż sportowy / Rola fizjoterapeuty w klubie sportowym | 2 | z/o | 60 | 30 | 0 | 0 | 0 | 30 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | 30 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| I | Technologia informacyjna ogólna / Technologia informacyjna z ECDL | 2 | z/o | 60 | 30 | 0 | 0 | 30 | 0 | 30 | 2 | | | 30 | | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| J | Nowoczesne formy gimnastyki / Aquafitness | 2 | z/o | 60 | 30 | 0 | 0 | 30 | 0 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | 30 | | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| K | Elementy terapii zajęciowej w fizjoterapii / Arteterapia w rehabilitacji | 2 | z/o | 60 | 30 | 0 | 0 | 30 | 0 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | 30 | | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| L | Podstawy komunikacji klinicznej z chorym człowiekiem/ Kinezyprofilaktyka chorób cywilizacyjnych | 2 | z/o | 60 | 30 | 0 | 0 | 30 | 0 | 30 | 2 | | | | | | 0 | | | 30 | | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| M | Balneoklimatologia i leczenie uzdrowiskowe | 2 | z/o | 60 | 50 | 5 | 0 | 0 | 45 | 10 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | 5 | | | 45 | 10 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| N | Zastosowanie USG w fizjoterapii/Szkoła rodzenia | 1 | z/o | 30 | 15 | 0 | 0 | 15 | 0 | 15 | 1 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | 15 | | 15 | 1 | | | | | | 0 | | | | | | 0 |
| O | Gimnastyka korekcyjna/Dietetyka kliniczna | 2 | z/o | 60 | 30 | 0 | 0 | 30 | 0 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| P | Odnowa biologiczna / Wellnes i spa w fizjoterapii | 2 | z/o | 60 | 30 | 0 | 0 | 30 | 0 | 30 | 2 | | | | | | 0 | | | | | | 0 | | | 30 | | 30 | 2 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 | | | | | | 0 |
| | **RAZEM C:** | | | **1620** | **505** | **20** | **20** | **390** | **75** | **1115** | **54** | **15** | **0** | **135** | **0** | **120** | **9** | **0** | **0** | **60** | **0** | **60** | **4** | **0** | **0** | **90** | **0** | **90** | **6** | **5** | **0** | **90** | **75** | **130** | **10** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **15** | **0** | **15** | **1** | **0** | **10** | **0** | **0** | **350** | **12** | **0** | **10** | **0** | **0** | **350** | **12** |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **RAZEM (A+C)** | | | **7290** | **3665** | **725** | **140** | **1060** | **1740** | **3625** | **242** | **145** | **30** | **370** | **0** | **355** | **29** | **130** | **30** | **240** | **120** | **320** | **28** | **135** | **30** | **210** | **150** | **315** | **28** | **60** | **30** | **150** | **255** | **285** | **26** | **105** | **0** | **30** | **360** | **345** | **28** | **60** | **0** | **0** | **330** | **330** | **24** | **55** | **0** | **30** | **285** | **530** | **30** | **10** | **0** | **15** | **225** | **380** | **21** | **25** | **10** | **15** | **15** | **415** | **16** | **0** | **10** | **0** | **0** | **350** | **12** |
| | **RAZEM (A+B+C)** | | | **8850** | **5225** | | | | | **3625** | **300** | | | | | | **29** | | | | | | **30** | | | | | | **28** | | | | | | **32** | | | | | | **28** | | | | | | **30** | | | | | | **30** | | | | | | **27** | | | | | | **35** | | | | | | **31** |
| | **OGÓŁEM GODZ / ECTS** | | | **8850** | | | | | | | **300** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**UWAGA: A,C 1 ECTS = 30, B 1 ECTS = 25**

Plan studiów zatwierdzony przez Radę Wydziału Przyrodniczo-Technicznego KPSW w Jeleniej Górze w dniu 26.09.2017

Legenda: E - egzamin, z/o - zaliczenie na ocenę, Z - zaliczenie, języki obce * forma zajęć-warsztat.