

**Krakowska Wyższa Szkoła Promocji Zdrowia z siedzibą w Krakowie**  
**Plan studiów kierunku FIZJOTERAPIA - studia stacjonarne i niestacjonarne 2026/2027**  
**Jednolite studia magisterskie - profil kształcenia praktyczny**

| Nr  | KOD     | Przedmiot   | Sem. 1 |     |     | Sem. 2 |     |     | Sem. 3 |     |     | Sem. 4 |     |     | Sem. 5 |    |     | Sem. 6 |    |     | Sem. 7 |    |     | Sem. 8 |    |     | Sem. 9 |   |     | Sem. 10 |   |     | Razem |    |     | zaj. prak. |       |     |     |     |     |     |     |     |     |      |
|---|---------|---|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|----|-----|--------|----|-----|--------|----|-----|--------|----|-----|--------|---|-----|---------|---|-----|-------|----|-----|------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|   |         |   | WK     | ĆW  | PKT | WK     | ĆW  | PKT | WK     | ĆW  | PKT | WK     | ĆW  | PKT | WK     | ĆW | PKT | WK     | ĆW | PKT | WK     | ĆW | PKT | WK     | ĆW | PKT | W      | Ć | PKT | W       | Ć | PKT | WK    | ĆW | PKT |            | WK+ĆW |     |     |     |     |     |     |     |     |      |
| <b>A. BIOMEDYCZNE PODSTAWY FIZJOTERAPII</b> |         |   |        |     |     |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    |     |            |       |     |     |     |     |     |     |     |     |      |
| 1   | FM-A01  | Anatomia prawidłowa [E]   | 30     | 30  | 4   | 30     | 30  | 5   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    | 60  | 60         | 9     | 120 | T   |     |     |     |     |     |     |      |
| 2   | FM-A02  | Anatomia palpacyjna na potrzeby fizjoterapii [E]  |        |     |     |        |     |     |        | 15  | 15  | 2      |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    | 15  | 15         | 2     | 30  | T   |     |     |     |     |     |     |      |
| 3   | FM-A03  | Biochemia [E]   | 15     | 15  | 2   |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 15  | 2          | 30    |     |     |     |     |     |     |     |     |      |
| 4   | FM-A04  | Biofizyka   | 15     |     | 1   |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 5   | FM-A05  | Biologia medyczna   | 15     | 15  | 2   |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 15  | 2          | 30    |     |     |     |     |     |     |     |     |      |
| 6   | FM-A06  | Biomechanika kliniczna [E]  |        |     |     |        |     |     |        | 15  | 15  | 2      |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 15  | 2          | 30    | T   |     |     |     |     |     |     |     |      |
| 7   | FM-A07  | Farmakologia w fizjoterapii   |        |     |     |        |     |     |        | 15  |     | 1      |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 8   | FM-A08  | Fizjologia [E]  |        |     |     | 30     | 15  | 2   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 30 | 15  | 2          | 45    |     |     |     |     |     |     |     |     |      |
| 9   | FM-A09  | Fizjologia wysiłku fizycznego [E]   |        |     |     |        |     |     |        | 30  | 15  | 2      |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 30 | 15  | 2          | 45    | T   |     |     |     |     |     |     |     |      |
| 10  | FM-A10  | Genetyka [E]  |        |     |     | 15     |     | 1   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 11  | FM-A11  | Patologia ogólna [E]  |        |     |     | 15     |     | 1   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 12  | FM-A12  | Pierwsza pomoc  |        | 15  | 1   |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 0  | 15  | 1          | 15    | T   |     |     |     |     |     |     |     |      |
|   |         | <b>suma A</b>   | 75     | 75  | 10  | 90     | 45  | 9   | 75     | 45  | 7   | 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   | 240 | 165 | 26  | 405 |     |     |     |      |
| <b>B. NAUKI OGÓLNE</b>                      |         |   |        |     |     |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    |     |            |       |     |     |     |     |     |     |     |     |      |
| 13  | FM-B01  | Bioetyka  |        |     |     |        |     | 15  |        | 1   |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 14  | FM-B02  | Demografia i epidemiologia  | 15     |     | 1   |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 15  | FM-B03  | Dydaktyka fizjoterapii  |        |     |     |        |     | 15  |        | 1   |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 16  | FM-B04  | Ekonomia i systemy ochrony zdrowia  |        |     |     |        |     | 15  |        | 1   |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 17  | FM-B05  | Filozofia   | 15     |     | 1   |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 18  | FM-B06  | Historia rehabilitacji  |        |     |     | 15     |     | 1   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 19  | FM-B07  | Język obcy - angielski * [E]<br>Język obcy - hiszpański [E]<br>Język obcy - niemiecki [E] |        | 20  | 1   |        | 20  | 1   | 20     | 1   | 20  | 1      | 20  | 1   | 20     | 2  |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 0  | 100 | 6          | 100   |     |     |     |     |     |     |     |     |      |
| 20  | FM-B08  | Pedagogika  |        |     |     |        |     | 15  |        | 1   |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 21  | FM-B09  | Podstawy prawa  |        |     |     | 15     |     | 1   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 22  | FM-B10  | Psychologia   |        |     |     | 15     |     | 1   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 23  | FM-B11  | Socjologia niepełnosprawności   | 15     |     | 1   |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 0   | 1          | 15    |     |     |     |     |     |     |     |     |      |
| 24  | FM-B12  | Wychowanie fizyczne (nie dotyczy studiów niestacjonarnych)                                |        | 30  | 0   |        | 30  | 0   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 0  | 60  | 0          | 60    |     |     |     |     |     |     |     |     |      |
| 25  | FM-B13  | Zarządzanie i marketing   |        |     |     | 15     |     | 1   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    | 15  | 0          | 1     | 15  |     |     |     |     |     |     |     |      |
| 26  | FM-B14  | Technologie informacyjne  |        | 20  | 2   |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    | 0   | 20         | 2     | 20  |     |     |     |     |     |     |     |      |
| 27  | FM-B15  | Zdrowie publiczne   |        |     |     | 15     |     | 1   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    | 15  | 0          | 1     | 15  |     |     |     |     |     |     |     |      |
|   |         | <b>suma B</b>   | 45     | 70  | 6   | 75     | 50  | 6   | 60     | 20  | 5   | 0      | 20  | 1   | 0      | 20 | 2   | 0      | 0  | 0   | 0      | 0  | 0   | 0      | 0  | 0   | 0      | 0 | 0   | 0       | 0 | 0   | 0     | 0  | 0   | 0          | 0     | 0   | 0   | 0   | 180 | 180 | 20  | 360 |     |      |
|   |         | <b>suma A+B</b>   | 120    | 145 | 16  | 165    | 95  | 15  | 135    | 65  | 12  | 0      | 20  | 1   | 0      | 20 | 2   | 0      | 0  | 0   | 0      | 0  | 0   | 0      | 0  | 0   | 0      | 0 | 0   | 0       | 0 | 0   | 0     | 0  | 0   | 0          | 0     | 0   | 0   | 0   | 0   | 420 | 345 | 46  | 765 |      |
| <b>C. PODSTAWY FIZJOTERAPII</b>             |         |   |        |     |     |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    |     |            |       |     |     |     |     |     |     |     |     |      |
| 28  | FM-CD1  | Adaptowana aktywność fizyczna i sport osób z niepełnosprawnościami                        |        |     |     |        |     | 15  | 15     | 2   |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 15  | 2          | 30    | T   |     |     |     |     |     |     |     |      |
| 29  | FM-CD2  | Fizjoprofilaktyka i promocja zdrowia  | 30     |     | 2   |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    | 30  | 0          | 2     | 30  |     |     |     |     |     |     |     |      |
| 30  | FM-CD3  | Fizjoterapia ogólna [E]   | 30     | 15  | 3   |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 30 | 15  | 3          | 45    | T   |     |     |     |     |     |     |     |      |
| 31  | FM-CD4  | Fizykoterapia [E]   |        |     |     | 15     | 30  | 2   | 15     | 30  | 2   | 15     | 30  | 3   |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 45 | 90  | 7          | 135   | T   |     |     |     |     |     |     |     |      |
| 32  | FM-CD5  | Kinezyterapia [E]   |        |     |     | 15     | 30  | 2   | 15     | 30  | 2   | 15     | 30  | 3   |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 45 | 90  | 7          | 135   | T   |     |     |     |     |     |     |     |      |
| 33  | FM-CD6  | Kształcenie ruchowe i metodyka nauczania ruchu [E]  | 15     | 30  | 3   | 15     | 15  | 2   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 30 | 45  | 5          | 75    | T   |     |     |     |     |     |     |     |      |
| 34  | FM-CD7  | Masaż [E]   |        |     |     | 15     | 30  | 3   |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 30  | 3          | 45    | T   |     |     |     |     |     |     |     |      |
| 35  | FM-CD8  | Balneoklimatologia  |        |     |     |        |     |     |        |     |     |        |     |     |        |    | 15  | 15     | 2  |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 15  | 2          | 30    | T   |     |     |     |     |     |     |     |      |
| 36  | FM-CD9  | Metody specjalne fizjoterapii: metody reedukacji posturalnej [E]                          |        |     |     |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 30  | 2          | 45    | T   |     |     |     |     |     |     |     |      |
| 37  | FM-CD10 | Metody specjalne fizjoterapii: metody reedukacji nerwowo-mięśniowej [E]                   |        |     |     |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 30  | 2          | 45    | T   |     |     |     |     |     |     |     |      |
| 38  | FM-CD11 | Metody specjalne fizjoterapii: metody terapii neurorozwojowej [E]                         |        |     |     |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 15 | 30  | 2          | 45    | T   |     |     |     |     |     |     |     |      |
| 39  | FM-CD12 | Wyroby medyczne [E]   |        |     |     |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    | 15  | 30         | 3     | 45  | T   |     |     |     |     |     |     |      |
| 40  | FM-CD13 | Terapia manualna [E]  |        |     |     |        |     |     | 15     | 15  | 2   | 15     | 30  | 3   |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 30 | 45  | 5          | 75    | T   |     |     |     |     |     |     |     |      |
|   |         | <b>suma C</b>   | 75     | 45  | 8   | 60     | 105 | 9   | 60     | 90  | 8   | 45     | 90  | 9   | 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   | 315 | 465 | 45  | 780 |     |      |
|   |         | <b>suma A+B+C</b>   | 195    | 190 | 24  | 225    | 200 | 24  | 195    | 155 | 20  | 45     | 110 | 10  | 0      | 20 | 2   | 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   | 735 | 810 | 91  | 1545 |
| <b>D. FIZJOTERAPIA KLINICZNA</b>            |         |   |        |     |     |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    |     |            |       |     |     |     |     |     |     |     |     |      |
| 41  | FM-D01  | Diagnostyka funkcjonalna w chorobach wewnętrznych   |        |     |     |        |     |     | 30     | 2   |     | 12     | 1   |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       | 0  | 42  | 3          | 42    | T   |     |     |     |     |     |     |     |      |
| 42  | FM-D02  | Diagnostyka funkcjonalna w dysfunkcjach układu ruchu                                      |        |     |     |        |     |     |        |     |     |        |     |     |        |    |     |        |    |     |        |    |     |        |    |     |        |   |     |         |   |     |       |    |     |            |       |     |     |     |     |     |     |     |     |      |



|                                     |        | suma A+B+C+D+F   |           | 195       | 190      | 24        | 225       | 200      | 24       | 195      | 395      | 31       | 195      | 446      | 32        | 255       | 270      | 28       | 135      | 440      | 31       | 120      | 385      | 30       | 60        | 455       | 26       | 45        | 100        | 17        | 0        | 520      | 31       | 1425       | 3401       | 274       | 4826       |    |    |   |
|-------------------------------------|--------|--|-----------|-----------|----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|-----------|----------|----------|----------|------------|------------|-----------|------------|----|----|---|
| <b>G.PRZEDMIOTY SPECJALIZACYJNE</b> |        |  |           |           |          |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          |           |            |           |          |          |          |            |            |           |            |    |    |   |
| 83                                  | FM-G01 | Kineziologia [E]   | 15        | 30        | 3        |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          |           |            |           |          |          |          |            |            | 15        | 30         | 3  | 45 | T |
| 84                                  | FM-G02 | Masaż sportowy/ Sports massage therapy* [E]                  |           |           |          |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          | 15        | 30         | 3         |          |          |          |            |            | 15        | 30         | 3  | 45 | T |
| 85                                  | FM-G03 | Terapia funkcjonalna [E]                                     |           |           |          |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          | 15        | 15        | 2        |           |            |           |          |          |          |            |            | 15        | 15         | 2  | 30 | T |
| 86                                  | FM-G04 | Terapia mięśniowo- powięziowa [E]                            |           |           |          |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           | 15       | 15        | 2          |           |          |          |          |            |            | 15        | 15         | 2  | 30 | T |
| 87                                  | FM-G05 | Terapia zajęciowa/ Ergoterapia*                              |           |           |          | 15        |           | 1        |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          |           |            |           |          |          |          |            |            | 15        | 0          | 1  | 15 |   |
| 88                                  | FM-G06 | Bezpieczeństwo i higiena pracy w fizjoterapii                | 5         |           | 0        |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          |           |            |           |          |          |          |            | 5          | 0         | 0          | 5  |    |   |
| 89                                  | FM-G07 | Podstawy dietetyki /Żywnienie i suplementacja w sporcie* [E] |           |           |          | 30        |           | 2        |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          |           |            |           |          |          |          |            | 30         | 0         | 2          | 30 |    |   |
| 90                                  | FM-G08 | Turystyka i rekreacja osób niepełnosprawnych                 |           |           |          |           |           |          |          |          |          |          |          |          | 15        |           | 1        |          |          |          |          |          |          |          |           |           |          |           |            |           |          |          |          |            |            | 15        | 0          | 1  | 15 |   |
| 91                                  | FM-G09 | Diagnostyka obrazowa   |           |           |          |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          | 15        | 15         | 2         |          |          |          |            |            | 15        | 15         | 2  | 30 | T |
| 92                                  | FM-G10 | Komunikacja interpersonalna/ Podstawy negocjacji*            | 15        |           | 1        |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          |           |            |           |          |          |          |            |            | 15        | 0          | 1  | 15 |   |
| 93                                  | FM-G11 | Masaż limfatyczny/ Terapia przeciwzastoinowa*                |           |           |          | 15        | 30        | 3        |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          |           |            |           |          |          |          |            |            | 15        | 30         | 3  | 45 | T |
| 94                                  | FM-G12 | Masaż relaksacyjny/ Masaż leczniczy*                         |           |           |          |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          | 15        | 30        | 3        |           |            |           |          |          |          |            |            | 15        | 30         | 3  | 45 | T |
| 95                                  | FM-G13 | Odnowa biologiczna w sporcie/Biological renewal in sport*    |           |           |          |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           | 15       | 30        | 3          |           |          |          |          |            |            | 15        | 30         | 3  | 45 | T |
| 96                                  | FM-G14 | Podstawy działalności gospodarczej w fizjoterapii            | 15        | 15        | 2        |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          |           |            |           |          |          |          |            |            | 15        | 15         | 2  | 30 |   |
| 97                                  | FM-G15 | Taping sportowy/ Taping rehabilitacyjny*                     |           |           |          |           |           |          |          |          |          |          |          |          |           |           |          |          |          |          |          |          |          |          |           |           |          | 15        | 30         | 3         |          |          |          |            |            | 15        | 30         | 3  | 45 | T |
| 98                                  | FM-G16 | Terapie wspomagające rehabilitację [E]                       |           |           |          |           |           |          |          |          |          |          |          |          |           | 15        | 15       | 2        |          |          |          |          |          |          |           |           |          |           |            |           |          |          |          |            |            | 15        | 15         | 2  | 30 | T |
|                                     |        | <b>suma G</b>  | <b>50</b> | <b>45</b> | <b>6</b> | <b>60</b> | <b>30</b> | <b>6</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>30</b> | <b>15</b> | <b>3</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>30</b> | <b>45</b> | <b>5</b> | <b>75</b> | <b>120</b> | <b>13</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>245</b> | <b>255</b> | <b>33</b> | <b>500</b> |    |    |   |
|                                     |        | suma A+B+C+D+E+F+G   | 245       | 235       | 30       | 285       | 230       | 30       | 195      | 395      | 31       | 195      | 446      | 32       | 285       | 285       | 31       | 135      | 440      | 31       | 120      | 385      | 30       | 90       | 500       | 31        | 120      | 220       | 30         | 0         | 520      | 31       | 1670     | 3656       | 307        | 5326      |            |    |    |   |

Objaśnienia

\*przedmiot do wyboru

WK - ilość godzin dydaktycznych wykładu

ĆW - ilość godzin dydaktycznych ćwiczeń

PKT - ilość punktów ECTS

[E] - egzamin końcowy z przedmiotu

| Ilość ECTS - zajęcia praktyczne | Ilość ECTS (min.) - zajęcia praktyczne wymagane | Ilość ECTS - wybieralność osiągnięta | Ilość ECTS (min.) - wybieralność wymagana |
|---------------------------------|---|--------------------------------------|---|
| 213                             | 154   | 20                                   | 16  |