

## Uczelnia Państwowa

WYDZIAŁ NAUK TECHNICZNYCH I EKONOMICZNYCH

dla studentów rozpoczynających naukę od roku akademickiego 2022/2023

Kierunek: **ZARZĄDZANIE**

Studia: **pierwszego stopnia - niestacjonarne**

\*) Oprócz praktyk obowiązkowych student może realizować praktyki fakultatywne

|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|------|--------------------------------------------|-----|----|----|----|---|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|-----|-----|---|----|----|---|---|----|---|----|----|---|---|---|----|---|----|--|--|--|--|--|
| Sp.1 | Specjalność: Zarządzanie przedsiębiorstwem | 197 | 83 | 38 | 30 | 6 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 12 | 18 | 6  | 10  | 0   | 9 | 39 | 18 | 6 | 0 | 15 | 0 | 10 | 32 | 8 | 6 | 0 | 15 | 0 | 10 |  |  |  |  |  |
| 1    | Podstawy ekonometrii                       | 12  | 6  | 6  | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6  | 6  |    |    |     | Zoc | 2 |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 2    | Zarządzanie i planowanie marketingowe      | 12  | 6  | 0  | 6  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6  |    | 6  |    |     | Zoc | 2 |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 3    | Zarządzanie małą firmą                     | 12  | 0  | 0  | 6  | 6 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 6  | 6  |     | Zoc | 2 |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 4    | Analiza ekonomiczna                        | 12  | 0  | 6  | 6  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 6  | 6  |     | Zoc | 2 |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 5    | Podstawy nauki o przedsiębiorstwie         | 12  | 12 | 0  | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 6    | Marketing w handlu i usługach              | 12  | 6  | 0  | 6  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 7    | Rachunkowość zarządcza                     | 25  | 15 | 10 | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 8    | Podstawy prognozowania                     | 14  | 6  | 8  | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 9    | Międzynarodowe stosunki gospodarcze        | 12  | 6  | 0  | 6  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 10   | Metody optymalizacji decyzji               | 14  | 6  | 8  | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 11   | Prawo pracy                                | 10  | 10 | 0  | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 12   | Controlling                                | 10  | 10 | 0  | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
| 13   | Seminarium dyplomowe                       | 40  | 0  | 0  | 0  | 0 | 40 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    | 10 | Zoc | 1   |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |
|      |                                            |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |     |     |   |    |    |   |   |    |   |    |    |   |   |   |    |   |    |  |  |  |  |  |

|                                                 |                                                      |     |    |   |    |    |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |    |    |     |   |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
|-------------------------------------------------|------------------------------------------------------|-----|----|---|----|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|----|----|----|-----|---|----|---|----|---|----|---|----|----|---|----|---|----|---|----|
| Sp.2 Specjalność: Zarządzanie zasobami ludzkimi |                                                      | 196 | 66 | 6 | 68 | 10 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 26 | 10 | 10 | 0   | 9 | 24 | 0 | 20 | 0 | 21 | 0 | 10 | 28 | 6 | 22 | 0 | 15 | 0 | 10 |
| 1                                               | Przewodzenie i motywowanie pracowników               | 10  | 4  | 0 | 6  | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  | 6 |    |    |    | Zoc | 2 |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 2                                               | Komunikowanie się w organizacji                      | 10  | 0  | 0 | 10 | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   | 10 |    |    | Zoc | 1 |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 3                                               | Kultura organizacyjna                                | 10  | 0  | 0 | 0  | 10 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   | 10 |    |    | Zoc | 1 |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 4                                               | Personal i employer branding                         | 10  | 4  | 0 | 6  | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  | 6 |    |    |    | Zoc | 2 |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 5                                               | Psychologia zarządzania                              | 10  | 6  | 0 | 4  | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6  | 4 |    |    |    | Zoc | 2 |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 6                                               | Zarządzanie kompetencjami i rozwojem pracowników     | 10  | 10 | 0 | 0  | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |    |    |     |   |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 7                                               | Doradztwo zawodowe i personalne                      | 10  | 0  | 0 | 10 | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |    |    |     |   |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 8                                               | Zintegrowany system kadrowo - płacowy                | 24  | 10 | 0 | 14 | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |    |    |     |   |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 9                                               | Marketing personalny                                 | 6   | 0  | 0 | 0  | 0  | 6  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |    |    |     |   |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 10                                              | Tworzenie i kierowanie zespołami w organizacji       | 10  | 4  | 0 | 6  | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |    |    |     |   |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 11                                              | Zarządzanie zmianami w zarządzaniu zasobami ludzkimi | 10  | 10 | 0 | 0  | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |    |    |     |   |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 12                                              | Controlling personalny                               | 12  | 0  | 0 | 12 | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |    |    |     |   |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 13                                              | Lean Management w zarządzaniu zasobami ludzkimi      | 12  | 6  | 6 | 0  | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |    |    |     |   |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 14                                              | Prawo pracy                                          | 12  | 12 | 0 | 0  | 0  | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |    |    |     |   |    |   |    |   |    |   |    |    |   |    |   |    |   |    |
| 15                                              | Seminarium dyplomowe                                 | 40  | 0  | 0 | 0  | 0  | 40 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    | 10 |    | Zoc | 1 |    |   |    |   |    |   |    |    |   |    |   |    |   |    |

|      |                                                        |     |    |    |    |   |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |    |     |     |   |    |   |    |   |    |     |     |    |   |    |    |     |   |    |  |
|------|--------------------------------------------------------|-----|----|----|----|---|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|---|----|-----|-----|---|----|---|----|---|----|-----|-----|----|---|----|----|-----|---|----|--|
| Sp.3 | Specjalność: Lean Management                           | 202 | 64 | 34 | 64 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 34 | 0 | 0  | 10  | 1   | 9 | 16 | 0 | 32 | 0 | 15 | 0   | 10  | 16 | 0 | 32 | 0  | 15  | 0 | 10 |  |
| 1    | Podstawy koncepcji Lean Management                     | 16  | 8  | 8  | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 8  | 8  |   |    |     | E   | 2 |    |   |    |   |    |     |     |    |   |    |    |     |   |    |  |
| 2    | Metody i techniki stosowane w LM                       | 18  | 8  | 10 | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 8  | 10 |   |    |     | Zoc | 2 |    |   |    |   |    |     |     |    |   |    |    |     |   |    |  |
| 3    | Koncepcja Lean Six Sigma                               | 16  | 8  | 0  | 8  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |    |     |     |   |    | 8 |    | 8 |    |     | Zoc | 3  |   |    |    |     |   |    |  |
| 4    | Program doskonalenia Kaizen                            | 16  | 8  | 0  | 8  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |    |     |     |   | 8  |   | 8  |   |    | Zoc | 3   |    |   |    |    |     |   |    |  |
| 5    | Zarządzanie procesami wytwórczymi a Lean Manufacturing | 16  | 8  | 0  | 8  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |    |     |     |   |    |   |    |   |    |     |     |    |   |    |    |     |   |    |  |
| 6    | Lean Management w procesach logistycznych              | 16  | 8  | 0  | 8  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |    |     |     |   |    |   |    |   |    |     |     |    |   |    |    |     |   |    |  |
| 7    | Lean Management w pracy biurowej                       | 8   | 0  | 0  | 8  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |    |     |     |   |    |   |    |   |    |     |     |    |   |    |    |     |   |    |  |
| 8    | E-commerce jako kanał dystrybucji a LM                 | 8   | 0  | 0  | 8  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |    |     |     |   |    |   |    |   |    |     |     |    |   |    |    |     |   |    |  |
| 9    | LM jako zmiana organizacyjna                           | 8   | 0  | 0  | 8  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |    |     |     |   |    |   |    |   |    |     |     |    |   |    |    |     |   |    |  |
| 10   | Zarządzanie zasobami ludzkimi a LM                     | 16  | 8  | 8  | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 8  | 8  |   |    |     | Zoc | 2 |    |   | 8  |   |    | Zoc | 1   |    |   |    |    |     |   |    |  |
| 11   | Psychologiczne problemy wdrażania LM                   | 8   | 0  | 0  | 8  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |    |     |     |   |    |   |    |   |    |     |     |    |   |    |    |     |   |    |  |
| 12   | Architektura systemu zarządzania a LM                  | 16  | 8  | 8  | 0  | 0 | 0  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 8  | 8  |   |    |     | Zoc | 2 |    |   | 8  |   |    | Zoc | 1   |    |   |    |    |     |   |    |  |
| 13   | Seminarium dyplomowe                                   | 40  | 0  | 0  | 0  | 0 | 40 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   | 10 | Zoc | 1   |   |    |   |    |   | 15 | Zoc | 2   |    |   |    | 15 | Zoc | 2 |    |  |

|                 |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Praca dyplomowa | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|                                       |     |     |     |     |    |    |    |    |    |   |   |   |    |    |    |    |   |   |   |    |    |    |    |   |    |   |    |    |    |    |    |    |   |    |    |    |    |    |    |   |    |    |    |    |   |    |   |    |
|---------------------------------------|-----|-----|-----|-----|----|----|----|----|----|---|---|---|----|----|----|----|---|---|---|----|----|----|----|---|----|---|----|----|----|----|----|----|---|----|----|----|----|----|----|---|----|----|----|----|---|----|---|----|
| RAZEM A+B+C+Sp.1 (bez godzin praktyk) | 951 | 357 | 296 | 174 | 42 | 82 | 77 | 60 | 15 | 0 | 0 | 3 | 30 | 81 | 84 | 27 | 0 | 0 | 3 | 30 | 77 | 36 | 20 | 0 | 42 | 3 | 30 | 39 | 42 | 28 | 18 | 10 | 1 | 30 | 39 | 36 | 32 | 18 | 15 | 0 | 30 | 44 | 38 | 52 | 6 | 15 | 1 | 30 |
| Liczba godzin w semestrze             |     |     |     |     |    |    |    |    |    |   |   |   |    |    |    |    |   |   |   |    |    |    |    |   |    |   |    |    |    |    |    |    |   |    |    |    |    |    |    |   |    |    |    |    |   |    |   |    |

Udział wykładów

37,5%

|                                       |     |     |     |     |    |    |    |    |    |   |   |   |    |    |    |    |   |   |   |    |    |    |    |   |    |   |    |    |    |    |    |    |   |    |    |    |    |    |    |   |    |    |    |    |   |    |   |    |
|---------------------------------------|-----|-----|-----|-----|----|----|----|----|----|---|---|---|----|----|----|----|---|---|---|----|----|----|----|---|----|---|----|----|----|----|----|----|---|----|----|----|----|----|----|---|----|----|----|----|---|----|---|----|
| RAZEM A+B+C+Sp.2 (bez godzin praktyk) | 950 | 340 | 264 | 212 | 46 | 88 | 77 | 60 | 15 | 0 | 0 | 3 | 30 | 81 | 84 | 27 | 0 | 0 | 3 | 30 | 77 | 36 | 20 | 0 | 42 | 3 | 30 | 41 | 30 | 36 | 22 | 10 | 1 | 30 | 24 | 18 | 46 | 18 | 21 | 0 | 30 | 40 | 36 | 68 | 6 | 15 | 1 | 30 |
| Liczba godzin w semestrze             |     |     |     |     |    |    |    |    |    |   |   |   |    |    |    |    |   |   |   |    |    |    |    |   |    |   |    |    |    |    |    |    |   |    |    |    |    |    |    |   |    |    |    |    |   |    |   |    |

Udział wykładów

35,8%

|                                       |     |     |     |     |    |    |    |    |    |   |   |   |    |    |    |    |   |   |   |    |    |    |    |   |    |   |    |    |    |    |    |    |   |    |    |    |    |    |    |   |    |    |    |    |   |    |   |    |
|---------------------------------------|-----|-----|-----|-----|----|----|----|----|----|---|---|---|----|----|----|----|---|---|---|----|----|----|----|---|----|---|----|----|----|----|----|----|---|----|----|----|----|----|----|---|----|----|----|----|---|----|---|----|
| RAZEM A+B+C+Sp.3 (bez godzin praktyk) | 956 | 338 | 292 | 208 | 36 | 82 | 77 | 60 | 15 | 0 | 0 | 3 | 30 | 81 | 84 | 27 | 0 | 0 | 3 | 30 | 77 | 36 | 20 | 0 | 42 | 3 | 30 | 59 | 64 | 10 | 12 | 10 | 2 | 30 | 16 | 18 | 58 | 18 | 15 | 0 | 30 | 28 | 30 | 78 | 6 | 15 | 1 | 30 |
| Liczba godzin w semestrze             |     |     |     |     |    |    |    |    |    |   |   |   |    |    |    |    |   |   |   |    |    |    |    |   |    |   |    |    |    |    |    |    |   |    |    |    |    |    |    |   |    |    |    |    |   |    |   |    |

# zajęcia dostępne w języku polskim i angielskim