

Poziom studiów: drugiego stopnia  
Poziom kwalifikacji (PRK): 7  
Profil studiów: ogólnoakademicki  
Dyscypliny naukowe : ekonomia i finanse  
Kod ISCED: 0311  
Forma studiów: niestacjonarne  
Tytuł zawodowy nadawany absolwentom: magister

100%

| Lp.                                          | Nazwa przedmiotu/zajęć                                     | Egzaminin po sem. | Zaliczenie po sem. | GODZINY |       |    |     |     |     |     |     | ECTS | I rok                     |    |    |      |    |      |            |                           |    |    |   |      | II rok      |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
|----------------------------------------------|------------------------------------------------------------|-------------------|--------------------|---------|-------|----|-----|-----|-----|-----|-----|------|---------------------------|----|----|------|----|------|------------|---------------------------|----|----|---|------|-------------|------|---------------------------|----|---|------|------------|------|------|---------------------------|-----|-----|---|---|
|                                              |                                                            |                   |                    | Razem   | w tym |    |     |     |     |     |     |      | I semestr                 |    |    |      |    |      | II semestr |                           |    |    |   |      | III semestr |      |                           |    |   |      | IV semestr |      |      |                           |     |     |   |   |
|                                              |                                                            |                   |                    |         |       |    |     |     |     |     |     |      | forma zajęć dydaktycznych |    |    |      |    |      | ECTS       | forma zajęć dydaktycznych |    |    |   |      |             | ECTS | forma zajęć dydaktycznych |    |   |      |            |      | ECTS | forma zajęć dydaktycznych |     |     |   |   |
|                                              |                                                            |                   |                    |         | inne  |    |     |     |     |     |     |      | forma zajęć dydaktycznych |    |    |      |    |      |            | forma zajęć dydaktycznych |    |    |   |      |             |      | forma zajęć dydaktycznych |    |   |      |            |      |      |                           |     |     |   |   |
|                                              |                                                            |                   |                    |         | W     | Ć  | L   | K   | S   | IGK | ZBN |      | W                         | Ć  | L  | K    | S  | ECTS |            | W                         | Ć  | L  | K | S    | ECTS        |      | W                         | Ć  | L | K    | S          | ECTS |      | W                         | Ć   | L   | K | S |
| A. Grupa zajęć podstawowych                  |                                                            |                   |                    |         |       |    |     |     |     |     |     |      |                           |    |    |      |    |      |            |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 1                                            | Ekonometria II                                             | E/2               | Z/2                | 25      | 10    | 15 |     |     |     |     |     | 4.0  |                           |    |    |      |    |      | 10         | 15                        |    |    |   | 4.0  |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 2                                            | Makroekonomia II                                           | E/1               | Z/1                | 25      | 10    | 15 |     |     |     |     |     | 4.0  | 10                        | 15 |    |      |    |      | 4.0        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 3                                            | Prawo spółek handlowych                                    |                   | Z/1                | 10      | 10    |    |     |     |     |     |     | 1.0  | 10                        |    |    |      |    |      | 1.0        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 4                                            | Statystyka opisowa II                                      | E/1               | Z/1                | 25      | 10    | 15 |     |     |     |     |     | 4.0  | 10                        | 15 |    |      |    |      | 4.0        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 5                                            | Ekonomia menedżerska                                       | E/1               | Z/1                | 18      | 8     | 10 |     |     |     |     |     | 2.5  | 8                         | 10 |    |      |    |      | 2.5        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 6                                            | Historia myśli ekonomicznej                                |                   | Z/2                | 15      |       |    |     | 15  |     |     |     | 2.0  |                           |    |    |      |    |      |            |                           |    | 15 |   |      | 2.0         |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 7                                            | Ekonomia matematyczna                                      | E/2               | Z/1                | 25      | 10    | 15 |     |     |     |     |     | 4.0  |                           |    |    |      |    |      |            | 10                        | 15 |    |   |      | 4.0         |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 8                                            | Gospodarowanie kapitałem ludzkim                           |                   | Z/1                | 8       |       |    |     | 8   |     |     |     | 1.0  |                           |    |    | 8    |    |      | 1.0        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 9                                            | Badania operacyjne                                         |                   | Z/1                | 18      | 8     | 10 |     |     |     |     |     | 2.5  | 8                         | 10 |    |      |    |      | 2.5        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 10                                           | Rynek kapitałowy                                           | E/2               | Z/2                | 25      | 10    | 15 |     |     |     |     |     | 4.0  |                           |    |    |      |    |      |            | 10                        | 15 |    |   |      | 4.0         |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 11                                           | Bankowość                                                  |                   | Z/2                | 25      | 10    | 15 |     |     |     |     |     | 4.0  |                           |    |    |      |    |      |            | 10                        | 15 |    |   |      | 4.0         |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 12                                           | Ekonomia międzynarodowa II                                 | E/1               | Z/1                | 25      | 10    | 15 |     |     |     |     |     | 4.0  | 10                        | 15 |    |      |    |      | 4.0        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 13                                           | System ubezpieczeniowy                                     |                   | Z/1                | 18      | 8     | 10 |     |     |     |     |     | 2.5  | 8                         | 10 |    |      |    |      | 2.5        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 14                                           | Gry decyzyjne                                              |                   | Z/4                | 10      |       |    | 10  |     |     |     |     | 2.0  |                           |    |    |      |    |      |            |                           |    |    |   |      |             |      |                           |    |   | 10   |            |      |      | 2.0                       |     |     |   |   |
| 15                                           | Analiza makroekonomiczna w biznesie                        |                   | Z/4                | 10      |       |    |     | 10  |     |     |     | 1.0  |                           |    |    |      |    |      |            |                           |    |    |   |      |             |      |                           |    |   |      | 10         |      |      |                           | 1.0 |     |   |   |
| 16                                           | Metodologia nauk ekonomicznych                             |                   | Z/2                | 10      |       |    |     | 10  |     |     |     | 1.0  |                           |    |    |      |    |      |            |                           |    | 10 |   |      | 1.0         |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| Razem grupa zajęć A                          |                                                            |                   |                    |         |       |    | 292 | 104 | 135 | 10  | 43  |      |                           |    |    | 43.5 | 64 | 75   |            | 8                         |    |    |   | 21.5 | 40          | 60   |                           | 25 |   | 19   |            |      |      |                           | 10  | 10  |   | 3 |
| B. Grupa zajęć kierunkowych                  |                                                            |                   |                    |         |       |    |     |     |     |     |     |      |                           |    |    |      |    |      |            |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| B_1 Grupa zajęć kierunkowych - obowiązkowych |                                                            |                   |                    |         |       |    |     |     |     |     |     |      |                           |    |    |      |    |      |            |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 17                                           | Ekonometria finansowa                                      |                   | Z/3                | 18      | 8     | 10 |     |     |     |     |     | 3.0  |                           |    |    |      |    |      |            |                           |    |    |   |      | 8           | 10   |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 18                                           | Rachunkowość zarządcza                                     | E/2               | Z/2                | 30      | 10    | 20 |     |     |     |     |     | 2.0  |                           |    |    |      |    |      |            | 10                        | 20 |    |   |      | 2.0         |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 19                                           | Wizualizacja danych                                        |                   | Z/2                | 18      | 8     |    | 10  |     |     |     |     | 2.0  |                           |    |    |      |    |      |            | 8                         |    | 10 |   |      | 2.0         |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 20                                           | WEB Development i bezpieczeństwo sieci                     |                   | Z/2                | 10      |       |    | 10  |     |     |     |     | 1.0  |                           |    |    |      |    |      |            |                           |    | 10 |   |      | 1.0         |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 21                                           | Analiza komparatywna systemów gospodarczych                | E/3               | Z/3                | 18      | 8     | 10 |     |     |     |     |     | 3.0  |                           |    |    |      |    |      |            |                           |    |    |   |      | 8           | 10   |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 22                                           | Teoria i analiza cykli koniunkturalnych                    |                   | Z/3                | 15      |       |    |     | 15  |     |     |     | 2.0  |                           |    |    |      |    |      |            |                           |    |    |   |      |             |      |                           | 15 |   |      |            |      |      |                           |     |     |   |   |
| 23                                           | Inwestycje alternatywne                                    |                   | Z/3                | 18      | 8     | 10 |     |     |     |     |     | 2.0  |                           |    |    |      |    |      |            |                           |    |    |   |      | 8           | 10   |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 24                                           | Teoria gier i podejmowanie decyzji menedżerskich           |                   | Z/3                | 18      | 8     | 10 |     |     |     |     |     | 2.0  |                           |    |    |      |    |      |            |                           |    |    |   |      | 8           | 10   |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 25                                           | Finanse międzynarodowe                                     | E/4               | Z/4                | 20      | 10    | 10 |     |     |     |     |     | 2.0  |                           |    |    |      |    |      |            |                           |    |    |   |      |             |      |                           |    |   |      | 10         | 10   |      |                           | 2.0 |     |   |   |
| 26                                           | Teoria i analiza wzrostu gospodarczego                     | E/3               |                    | 10      |       |    |     | 10  |     |     |     | 1.0  |                           |    |    |      |    |      |            |                           |    |    |   |      |             |      |                           | 10 |   |      |            |      |      |                           |     |     |   |   |
| 27                                           | Teoria i analiza handlu międzynarodowego                   | E/4               |                    | 10      |       |    |     | 10  |     |     |     | 1.0  |                           |    |    |      |    |      |            |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 28                                           | Zarządzanie finansami międzynarodowymi w przedsiębiorstwie |                   | Z/2                | 10      |       |    |     | 10  |     |     |     | 1.0  |                           |    |    |      |    |      |            |                           |    | 10 |   |      | 1.0         |      |                           |    |   |      |            |      | 10   |                           | 1.0 |     |   |   |
| 29                                           | Międzynarodowa integracja rynków finansowych               |                   | Z/1                | 10      |       |    |     | 10  |     |     |     | 1.0  |                           |    | 10 |      |    |      | 1.0        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 30                                           | Analiza rynku pracy                                        |                   | Z/1                | 10      |       |    |     | 10  |     |     |     | 1.0  |                           |    |    | 10   |    |      | 1.0        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 31                                           | Ekonomiczna analiza prawa                                  |                   | Z/1                | 20      |       |    |     | 20  |     |     |     | 2.0  |                           |    |    | 20   |    |      | 2.0        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 32                                           | Analiza rynku walutowego                                   |                   | Z/1                | 10      |       |    |     | 10  |     |     |     | 2.0  |                           |    | 10 |      |    |      | 2.0        |                           |    |    |   |      |             |      |                           |    |   |      |            |      |      |                           |     |     |   |   |
| 33                                           | Rachunek aktuarialny                                       |                   | Z/4                | 18      | 8     | 10 |     |     |     |     |     | 2.0  |                           |    |    |      |    |      |            |                           |    |    |   |      |             |      |                           |    |   | 8    | 10         |      |      |                           | 2.0 |     |   |   |
| Razem grupa zajęć B1                         |                                                            |                   |                    |         |       |    | 263 | 68  | 80  | 20  | 95  |      |                           |    | 50 |      |    | 6.0  | 18         | 20                        | 20 | 10 |   | 6.0  | 32          | 40   |                           | 25 |   | 13.0 | 18         | 20   |      | 10                        |     | 5.0 |   |   |

| Lp.                                                                                                | Nazwa przedmiotu/zajęć                                        | Egzamin po sem. | Zaliczenie po sem. | GODZINY |                           |     |    |     |    |     |     | ECTS | I rok     |                           |    |    |   |      |            |      |                           |    |     |    | II rok      |    |      |                           |      |     |            |    |    |      |    |    |  |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------|--------------------|---------|---------------------------|-----|----|-----|----|-----|-----|------|-----------|---------------------------|----|----|---|------|------------|------|---------------------------|----|-----|----|-------------|----|------|---------------------------|------|-----|------------|----|----|------|----|----|--|
|                                                                                                    |                                                               |                 |                    | Razem   | w tym                     |     |    |     |    |     |     |      | I semestr |                           |    |    |   |      | II semestr |      |                           |    |     |    | III semestr |    |      |                           |      |     | IV semestr |    |    |      |    |    |  |
|                                                                                                    |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      | I semestr |                           |    |    |   |      | II semestr |      |                           |    |     |    | III semestr |    |      |                           |      |     | IV semestr |    |    |      |    |    |  |
|                                                                                                    |                                                               |                 |                    |         | forma zajęć dydaktycznych |     |    |     |    |     |     |      | ECTS      | forma zajęć dydaktycznych |    |    |   |      |            | ECTS | forma zajęć dydaktycznych |    |     |    |             |    | ECTS | forma zajęć dydaktycznych |      |     |            |    |    | ECTS |    |    |  |
|                                                                                                    |                                                               |                 |                    |         | W                         | Ć   | L  | K   | S  | IGK | ZBN |      |           | W                         | Ć  | L  | K | S    | W          |      | Ć                         | L  | K   | S  | W           | Ć  |      | L                         | K    | S   | W          | Ć  | L  |      | K  | S  |  |
| B2. Grupa zajęć kierunkowych obieranych                                                            |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 34                                                                                                 | Przedmiot do wyboru 1 (1 z 2)                                 |                 | Z/3                | 15      |                           |     |    | 15  |    |     |     | 2.0  |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      | 15                        |      | 2.0 |            |    |    |      |    |    |  |
| 34a                                                                                                | - Prognozowanie makroekonomiczne                              |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 34b                                                                                                | - Prognozowanie mikroekonomiczne                              |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 35                                                                                                 | Przedmiot do wyboru 2 (1 z 2)                                 |                 | Z/3                | 15      |                           |     |    | 15  |    |     |     | 2.0  |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      | 15                        |      | 2.0 |            |    |    |      |    |    |  |
| 35a                                                                                                | - Metody wyceny wartości przedsiębiorstw                      |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 35b                                                                                                | - Budowa portfela inwestycyjnego                              |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 36                                                                                                 | Przedmiot do wyboru 3 (1 z 2)                                 |                 | Z/3                | 15      |                           |     |    | 15  |    |     |     | 2.0  |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      | 15                        |      | 2.0 |            |    |    |      |    |    |  |
| 36a                                                                                                | - Zarządzanie ryzykiem społecznym                             |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 36b                                                                                                | - Zabezpieczenie emerytalne i ubezpieczenie na życie          |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 37                                                                                                 | Przedmiot do wyboru 4 (1 z 2)                                 |                 | Z/3                | 15      |                           |     |    | 15  |    |     |     | 2.0  |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      | 15                        |      | 2.0 |            |    |    |      |    |    |  |
| 37a                                                                                                | - Gospodarka a środowisko                                     |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 37b                                                                                                | - Zrównoważony rozwój                                         |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 38                                                                                                 | Przedmiot do wyboru 5 (1 z 2)                                 |                 | Z/3                | 15      |                           |     |    | 15  |    |     |     | 2.0  |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      | 15                        |      | 2.0 |            |    |    |      |    |    |  |
| 38a                                                                                                | - Krajowe i międzynarodowe rozliczenia pieniężne              |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 38b                                                                                                | - Fundusze hedgingowe, private equity i venture capital       |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 39                                                                                                 | Przedmiot do wyboru 6 w języku obcym (1 z 2)                  |                 | Z/2                | 15      | 15                        |     |    |     |    |     |     | 2.0  |           |                           | 15 |    |   |      | 2.0        |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 39a                                                                                                | - Financial development and economic growth                   |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 39b                                                                                                | - Financial management                                        |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| Razem grupa zajęć B2                                                                               |                                                               |                 |                    | 90      | 15                        |     |    | 75  |    |     |     | 12.0 |           |                           |    |    |   | 15.0 |            |      |                           |    | 2.0 |    |             |    | 75.0 |                           | 10.0 |     |            |    |    |      |    |    |  |
| Razem grupa zajęć B                                                                                |                                                               |                 |                    | 353     | 83                        | 80  | 20 | 170 |    |     |     | 42   |           |                           |    | 50 |   | 6    | 33         | 20   | 20                        | 10 |     | 8  | 32          | 40 |      | 100                       |      | 23  | 18         | 20 |    | 10   |    | 5  |  |
| C. Grupa zajęć obieranych                                                                          |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 40                                                                                                 | Realizacja projektu badawczego                                |                 | Z/3                | 10      |                           | 10  |    |     |    |     | 65  | 3    |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    | 10   |                           |      |     | 3          |    |    |      |    |    |  |
| Razem grupa zajęć C                                                                                |                                                               |                 |                    | 10      |                           | 10  |    |     |    |     | 65  | 3    |           |                           |    |    |   |      |            |      |                           |    |     |    |             | 10 |      |                           |      | 3   |            |    |    |      |    |    |  |
| D. Grupa zajęć z dziedziny nauk humanistycznych lub nauk społecznych                               |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| D <sub>1</sub> . Grupa zajęć z dziedziny nauk humanistycznych lub nauk społecznych - obowiązkowych |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 41                                                                                                 | Etyczne aspekty pracy zawodowej                               |                 | Z/2                | 20      | 20                        |     |    |     |    |     |     | 3.0  |           |                           |    |    |   | 20   |            |      |                           |    | 3.0 |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| D <sub>2</sub> . Grupa zajęć z dziedziny nauk humanistycznych lub nauk społecznych - do wyboru     |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 42                                                                                                 | Przedmiot z obszaru nauk humanistycznych lub nauk społecznych |                 | Z/3                | 15      | 15                        |     |    |     |    |     |     | 2.0  |           |                           |    |    |   |      |            |      |                           |    |     |    | 15          |    |      |                           |      | 2.0 |            |    |    |      |    |    |  |
| Razem grupa zajęć D                                                                                |                                                               |                 |                    | 35      | 35                        |     |    |     |    |     |     | 5.0  |           |                           |    |    |   | 20   |            |      |                           |    | 3.0 | 15 |             |    |      |                           | 2.0  |     |            |    |    |      |    |    |  |
| E. Grupa zajęć ogólnouczeniowych                                                                   |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| E <sub>1</sub> . Grupa zajęć ogólnouczeniowych - obowiązkowych                                     |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 43                                                                                                 | Ochrona własności przemysłowej i prawo autorskie              |                 | Z/1                | 6       | 6                         |     |    |     |    |     |     | 0.5  | 6         |                           |    |    |   | 0.5  |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| E <sub>2</sub> . Grupa zajęć ogólnouczeniowych - do wyboru                                         |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 44                                                                                                 | Język obcy                                                    |                 | Z/1                | 20      |                           | 20  |    |     |    |     |     | 2.0  |           | 20                        |    |    |   | 2.0  |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| Razem grupa zajęć E                                                                                |                                                               |                 |                    | 26      | 6                         | 20  |    |     |    |     |     | 2.5  | 6         | 20                        |    |    |   | 2.5  |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| H. Grupa zajęć: Przygotowanie pracy dyplomowej                                                     |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    |      |    |    |  |
| 45                                                                                                 | Seminarium dyplomowe                                          |                 | Z/3-4              | 40      |                           |     |    |     | 40 | 14  |     | 4.0  |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    | 20   | 2.0                       |      |     |            |    | 20 | 2.0  |    |    |  |
| 46                                                                                                 | Przygotowanie i złożenie pracy dyplomowej                     |                 | Z/4                |         |                           |     |    |     |    | 10  | 480 | 20.0 |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    |      |                           |      |     |            |    |    | 20.0 |    |    |  |
| Razem grupa zajęć H                                                                                |                                                               |                 |                    | 40      |                           |     |    |     | 40 | 24  | 480 | 24.0 |           |                           |    |    |   |      |            |      |                           |    |     |    |             |    | 20   | 2.0                       |      |     |            |    | 20 | 22.0 |    |    |  |
| Razem A+B+C+D+E+H                                                                                  |                                                               |                 |                    | 756     | 228                       | 245 | 30 | 213 | 40 | 24  | 545 | 120  | 70        | 95                        |    | 58 |   | 30   | 93         | 80   | 20                        | 35 |     | 30 | 47          | 50 |      | 100                       | 20   | 30  | 18         | 20 | 10 | 20   | 20 | 30 |  |
| Liczba godzin w semestrze                                                                          |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      | 223       |                           |    |    |   | 228  |            |      |                           |    | 217 |    |             |    |      | 88                        |      |     |            |    |    |      |    |    |  |
| Liczba egzaminów w semestrze                                                                       |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      | 4         |                           |    |    |   | 4    |            |      |                           |    | 2   |    |             |    |      | 2                         |      |     |            |    |    |      |    |    |  |
| Liczba punktów ECTS w semestrze                                                                    |                                                               |                 |                    |         |                           |     |    |     |    |     |     |      | 30        |                           |    |    |   | 30   |            |      |                           |    | 30  |    |             |    |      | 30                        |      |     |            |    |    |      |    |    |  |

Oznaczenia:  
W- wykład, Ć - ćwiczenia, L - laboratoria, K - konwersatoria,  
S - seminarium, IGK - inne godziny kontaktowe, ZBN - zajęcia bez nauczyciela

|    |                               |         |         |
|----|-------------------------------|---------|---------|
|    | Pozostałe zajęcia obowiązkowe | semestr | godziny |
| 47 | Szkolenie BHP                 | 1       | 4       |
| 48 | Szkolenie biblioteczne        | 1       | 2       |

| Semestr | dozwolony deficyt punktów ECTS po poszczególnych semestrach: |
|---------|--------------------------------------------------------------|
| 1       | 12                                                           |
| 2       | 12                                                           |
| 3       | 12                                                           |
| 4       | -                                                            |