

KARTA PRZEDMIOTU**I. Dane podstawowe**

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| Nazwa przedmiotu | Praktyki zawodowe |
| Nazwa przedmiotu w języku angielskim | Practical placement |
| Kierunek studiów | Matematyka (Mathematics) |
| Poziom studiów (I, II, jednolite magisterskie) | I |
| Forma studiów (stacjonarne, niestacjonarne) | Stacjonarne (Full-time studies) |
| Dyscyplina | Matematyka(Mathematics) |
| Język wykładowy | Angielski (English) |

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| Koordinator przedmiotu/osoba odpowiedzialna | dr Paweł Wójcik |
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| Forma zajęć (<i>katalog zamknięty ze słownika</i>) | Liczba godzin | semestr | Punkty ECTS |
|--|---------------|---------|-------------|
| wykład | | | 2 |
| konwersatorium | | | |
| ćwiczenia | | | |
| laboratorium | | | |
| warsztaty | | | |
| seminarium | | | |
| proseminarium | | | |
| lektorat | | | |
| praktyki | 120 | 4 | |
| zajęcia terenowe | | | |
| pracownia dyplomowa | | | |
| translatorium | | | |
| wizyta studyjna | | | |

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| Wymagania wstępne | The knowledge of the content of the basic and the specialization courses from the study programme. Completing the third semester. |
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II. Cele kształcenia dla przedmiotu

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| Verification of theoretical knowledge acquired during the course of studies and supplementing the knowledge with the practical application of the acquired skills (analytical, project-related and mathematical). |
| Learning basic methods, forms and work tools, organization and work planning as well as preparing documentation. |

III. Efekty uczenia się dla przedmiotu wraz z odniesieniem do efektów kierunkowych

| Symbol | Opis efektu przedmiotowego | Odniesienie do efektu kierunkowego |
|------------------------------|---|------------------------------------|
| WIEDZA | | |
| W_01 | Acquiring basic understanding of organizing and functioning of the work place | |
| W_02 | Petrification of knowledge concerning abiding work, safety work hygiene, fire codes; professional and state secrecy | K_W10 |
| W_03 | Acquiring knowledge on the organizational structure and the regulations of the work place | |
| W_04 | Acquiring knowledge on practical implementations of mathematics | K_W01, K_W08 |
| UMIEJĘTNOŚCI | | |
| U_01 | Knows how to use mathematical knowledge at work | K_U25, K_U28, K_U35 |
| U_02 | Can carry out assigned tasks | K_U25, K_U35 |
| U_03 | Can communicate with the team | K_U36 |
| KOMPETENCJE SPOŁECZNE | | |
| K_01 | Can work individually and in a team | K_K03, K_K06 |
| K_02 | Can show initiative and independence at work | K_K02, K_K03, K_K06 |
| K_03 | Can respect legal and ethical principles in professional life | K_K04 |
| K_04 | Can communicate in the professional environment utilizing various means | K_K02, K_K05, K_K07 |
| K_05 | Understands the need for lifelong learning and motivating others to improve their qualifications | K_K01, K_K03 |

IV. Opis przedmiotu/ treści programowe

- familiarizing student with environment, health and safety regulations, fire safety regulations in a workplace and at a workstation

- familiarizing student with the duty to abide professional and state secrecy, employment code, internal and external regulations of the workplace

- familiarizing student with organizational and IT structure of the company

- familiarizing student with production structure, management techniques and the forms of work organization

- familiarizing student with the level and the scope of implementation of mathematical (including statistical) methods in the employing company

- familiarizing student with data processing technology and the functioning of the company's analytical and reporting departments

- familiarizing student with the scope of duties and specificity of the typical work of a mathematician

- familiarizing student with the mathematical supported analysis performed in the company

- participation in works using mathematical (including statistical) methods, e.g.: statistical analysis and reporting, databases usage, mathematical modeling, computer-aided analytical and reporting systems, other activities, if their type meets the internship goals.

V. Metody realizacji i weryfikacji efektów uczenia się

| Symbol | Metody dydaktyczne | Metody weryfikacji | Sposoby dokumentacji |
|--------|--------------------|--------------------|----------------------|
|--------|--------------------|--------------------|----------------------|

| efektu | (lista wyboru) | (lista wyboru) | (lista wyboru) |
|------------------------------|-----------------|--|--------------------|
| WIEDZA | | | |
| W_01 | Guided practice | Observation/ Test of practical skills | Internship journal |
| W_02 | Guided practice | Observation/ Test of practical skills | Internship journal |
| W_03 | Guided practice | Observation/ Test of practical skills | Internship journal |
| W_04 | Guided practice | Observation/ Test of practical skills | Internship journal |
| UMIEJĘTNOŚCI | | | |
| U_01 | Guided practice | Observation/ Test of practical skills | Internship journal |
| U_02 | Guided practice | Observation/ Test of practical skills | Internship journal |
| U_.... | Guided practice | Observation/ Test of practical skills | Internship journal |
| KOMPETENCJE SPOŁECZNE | | | |
| K_01 | Guided practice | Observation/ Test of practical skills | Internship journal |
| K_02 | Guided practice | Observation/ Test of practical skills | Internship journal |
| K_03 | Guided practice | Observation/ Test of practical skills | Internship journal |
| K_03 | Guided practice | Observation/ Test of practical skills | Internship journal |
| K_03 | Guided practice | Observation/ Test of practical skills | Internship journal |

VI. Kryteria oceny, uwago

Completion of the placement on the basis of the time served determined by the regulations of practical placement and on the basis of positive opinion of the institute's placement supervisor

VII. Obciążenie pracą studenta

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| Forma aktywności studenta | Liczba godzin |
| Liczba godzin kontaktowych z nauczycielem | 30 |
| Liczba godzin indywidualnej pracy studenta | 120 |

VIII. Literatura

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| Literatura podstawowa |
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| Literatura uzupełniająca |
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