

|    |                                |                             |
|----|--------------------------------|-----------------------------|
| 1. | Field of study                 | Geology                     |
| 2. | Faculty                        | Faculty of Natural Sciences |
| 3. | Academic year of entry         | 2024/2025 (winter term)     |
| 4. | Level of qualifications/degree | first-cycle studies         |
| 5. | Degree profile                 | general academic            |
| 6. | Mode of study                  | full-time                   |

|                                                                                   |                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.                                                                                | General information about the module |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Module name                                                                       |                                      | Historical geology and stratigraphy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Module code                                                                       |                                      | W2-GE-S1-022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Number of the ECTS credits                                                        |                                      | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Language of instruction                                                           |                                      | Polish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purpose and description of the content of education                               |                                      | Moduł Geologia historyczna i stratygrafia ma umożliwić studentowi poznanie terminologii, procesów i metod badawczych w zakresie geologicznych dziejów Ziemi. Nacisk jest położony na umiejętność opisu głównych elementów historii lito- i biosfery w odniesieniu do obszaru Polski i regionu górnośląskiego w szczególności. Student ma możliwość poznania głównych wydarzeń ewolucyjnych, w tym wielkich katastrof ekologicznych w fanerozoiku. Nabyta wiedza powinna umożliwić datowanie metodami biostratygraficznymi (skamieniałościami przewodnimi) podstawowych wydzieleń stratygraficznych w Polsce. Student nabywa świadomość wielkości czasu geologicznego, istnienia na tym tle zjawiska ewolucji organizmów oraz procesów i zdarzeń zmieniających środowisko przyrodnicze na powierzchni Ziemi. |
| List of modules that must be completed before starting this module (if necessary) |                                      | [W2-GE-S1-405] zna instrumenty ochrony środowiska przed oddziaływaniem prac geologicznych i górniczych<br>[W2-GE-S1-404] Palaeontology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| 8.             | Learning outcomes of the module                                                                                                                                                                                                                                        |                                    |                                |  |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------|--|
| Code           | Description                                                                                                                                                                                                                                                            | Learning outcomes of the programme | Level of competenc (scale 1-5) |  |
| W2-GE-S1-022_1 | zna podstawowe pojęcia i metody z zakresu badań dziejów Ziemi, podstawowy podział dziejów Ziemi w formie tabeli stratygraficznej oraz podstawowe grupy skamieniałości przewodnich; zna hipotezy początków życia na Ziemi oraz główne etapy jego ewolucji w fanerozoiku | 1GE_W3<br>1GE_W5                   | 3<br>3                         |  |
| W2-GE-S1-022_2 | rozumie istnienie w przeszłości procesów, zjawisk, zdarzeń wpływających na zmianę środowiska przyrodniczego na Ziemi                                                                                                                                                   | 1GE_U1<br>1GE_U3                   | 3<br>1                         |  |
| W2-GE-S1-022_3 | potrafi rozpoznawać podstawowe elementy zmian paleogeograficznych i tektonicznych w historii Ziemi, ze szczególnym zwróceniem uwagi na zapis na obszarze Polski                                                                                                        | 1GE_U1<br>1GE_U3<br>1GE_U8         | 3<br>2<br>2                    |  |
| W2-GE-S1-022_4 | potrafi graficznie przedstawić profil stratygraficzny oraz przeprowadzić samodzielną korelację lito- i biostratygraficzną                                                                                                                                              | 1GE_U1                             | 1                              |  |
| W2-GE-S1-022_5 | wykazuje aktywną postawę do poznawania rzeczy nowych i wykorzystywania ich dla wzbogacania własnej wiedzy; stara się uczyć samodzielnie w oparciu o dostępną literaturę, krytycznie oceniając stan własnej wiedzy                                                      | 1GE_K1<br>1GE_K2                   | 3<br>3                         |  |

|                |                                                                                                   |                  |        |
|----------------|---------------------------------------------------------------------------------------------------|------------------|--------|
| W2-GE-S1-022_6 | ma świadomość walorów poznawczych odsłoneń geologicznych, ich unikatowości i potrzeby ich ochrony | 1GE_K3<br>1GE_K6 | 2<br>1 |
|----------------|---------------------------------------------------------------------------------------------------|------------------|--------|

| 9. Methods of conducting classes |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Code                             | Category                    | Name (description)                                                                                                                                                                                                                                                                                                                                                                                                                         |
| c07                              | Demonstration methods       | Screen presentation<br><i>a presentation of synthetic image content using computer graphics, e.g., a series of slides or other multimedia forms, usually accompanied by a commentary; typical components of a screen presentation include text organized into bulleted points, charts, images and animations, sometimes sound effects or music; a multimedia illustration of course content presented in the form of a projected image</i> |
| d03                              | Programmed learning methods | Working with another teaching tool<br><i>e.g. using websites in any way or according to the rules set by the teacher; or making use of other subject-specific tools</i>                                                                                                                                                                                                                                                                    |

| 10. Forms of teaching |                    |                 |                                                   |                                                                                |                               |
|-----------------------|--------------------|-----------------|---------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------|
| Code                  | Name               | Number of hours | Assessment of the learning outcomes of the module | Learning outcomes of the module                                                | Methods of conducting classes |
| W2-GE-S1-022_L_1      | laboratory classes | 24              | course work                                       | W2-GE-S1-022_1, W2-GE-S1-022_3, W2-GE-S1-022_4, W2-GE-S1-022_5                 | c07, d03                      |
| W2-GE-S1-022_W_1      | lecture            | 24              | course work                                       | W2-GE-S1-022_1, W2-GE-S1-022_2, W2-GE-S1-022_3, W2-GE-S1-022_5, W2-GE-S1-022_6 | c07                           |

| 11. The student's work, apart from participation in classes, includes in particular: |                                                           |                                                                                                                                                                                                                                                                                                                                                            |                         |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Code                                                                                 | Category                                                  | Name (description)                                                                                                                                                                                                                                                                                                                                         | Is it part of the BUNA? |
| a03                                                                                  | Preparation for classes                                   | Developing practical skills<br><i>activities involving the repetition, refinement and consolidation of practical skills, including those developed during previous classes or new skills necessary for the implementation of subsequent elements of the curriculum (as preparation for class participation)</i>                                            | No                      |
| b01                                                                                  | Consulting the curriculum and the organization of classes | Getting acquainted with the syllabus content<br><i>reading through the syllabus and getting acquainted with its content</i>                                                                                                                                                                                                                                | No                      |
| b03                                                                                  | Consulting the curriculum and the organization of classes | Consulting the schedule<br><i>getting acquainted with the class schedule, possibly in the presence of the year tutor, in order to optimize participation in classes, including those supplementary to the core subjects listed in the pursued study programme</i>                                                                                          | No                      |
| c02                                                                                  | Preparation for verification of learning outcomes         | Studying the literature used in and the materials produced in class<br><i>exploring the studied content, inquiring, considering, assimilating, interpreting it, or organizing knowledge obtained from the literature, documentation, instructions, scenarios, etc., used in class as well as from the notes or other materials/artifacts made in class</i> | No                      |
| c03                                                                                  | Preparation for verification of learning outcomes         | Implementation of an individual or group assignment necessary for course/phase/examination completion                                                                                                                                                                                                                                                      | No                      |

|  |  |                                                                                                                                                                                                  |  |
|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |  | <i>a set of activities aimed at performing an assigned task, to be executed out of class, as an obligatory phase/element of the verification of the learning outcomes assigned to the course</i> |  |
|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

Information on the details of the module implementation in a given academic year can be found in the syllabus available in the USOS system: <https://usosweb.us.edu.pl>.