### 1. Course title: MINERAL DEPOSIT GEOLOGY

### 2. Course code: SI-GGIP/36


### 4. Level of studies: BSc programme

### 5. Mode of studies: intramural studies

### 6. Field of study: MINING AND GEOLOGY (RG)

### 7. Profile of studies: general academic

### 8. Programme: Mining and Exploring Geology

### 9. Semester: VI

### 10. Faculty teaching the course: Faculty of Mining and Geology, Institute of Applied Geology

### 11. Course instructor: Rafał Morga PhD, D.Sc.

### 12. Course classification: programme course

### 13. Course status: compulsory

### 14. Language of instruction: English

### 15. Pre-requisite qualifications: Completion of General geology, Mineralogy and Petrography and Coal Petrology courses

### 16. Course objectives: The course is a part of education within the field of geology. Its main objective is obtaining the knowledge of geological conditions of occurrence, division, formation and characteristics of mineral deposits, and also obtaining the skill of identification of main types of mineral deposits and mineral products.

### 17. Description of learning outcomes:

<table>
<thead>
<tr>
<th>Nr</th>
<th>Learning outcomes description</th>
<th>Method of assessment</th>
<th>Teaching methods</th>
<th>Learning outcomes reference code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Student knows relationships between geological processes and formation of different types of mineral deposits</td>
<td>examination</td>
<td>lecture</td>
<td>K_W06 ++</td>
</tr>
<tr>
<td>2.</td>
<td>Student knows mineralogical-petrographical properties of mineral products occurring in selected deposits in Poland and in the world</td>
<td>examination, written test</td>
<td>lecture, laboratory</td>
<td>K_W19 +</td>
</tr>
<tr>
<td>3.</td>
<td>Student has a detailed knowledge of formation, occurrence and geological structure of selected mineral deposits in Poland and in the world</td>
<td>examination</td>
<td>lecture</td>
<td>K_W22 +++</td>
</tr>
<tr>
<td>4.</td>
<td>Student has a basic knowledge of the use of mining-geological objects for touristic purposes</td>
<td>examination</td>
<td>lecture</td>
<td>K_W24 +</td>
</tr>
<tr>
<td>5.</td>
<td>Student possess self-teaching skill</td>
<td>examination, written test</td>
<td>lecture, laboratory</td>
<td>K_U05 +</td>
</tr>
<tr>
<td>6.</td>
<td>Student manages to interprete course of deposit forming processes</td>
<td>examination, written test</td>
<td>lecture, laboratory</td>
<td>K_U19 ++</td>
</tr>
<tr>
<td>7.</td>
<td>Student manages to describe and identify selected metallic and non-metallic mineral products and conditions, in which they occur in the deposit</td>
<td>written test, examination</td>
<td>laboratory, lecture</td>
<td>K_U20 +++</td>
</tr>
<tr>
<td>8.</td>
<td>Student is conscious of and understands non-technical aspects and effects of deposit exploitation, environmental impact including</td>
<td>examination</td>
<td>lecture</td>
<td>K_K02 +</td>
</tr>
</tbody>
</table>

### 18. Teaching modes and hours

- **Lecture:** 30
- **Laboratory:** 15
19. Syllabus description:

Lecture


Laboratory


20. Examination: YES

21. Primary sources:


22. Secondary sources:


23. Total workload required to achieve learning outcomes

<table>
<thead>
<tr>
<th>Lp.</th>
<th>Teaching mode</th>
<th>Contact hours / Student workload hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lecture</td>
<td>30/20</td>
</tr>
<tr>
<td>2</td>
<td>Classes</td>
<td>/</td>
</tr>
<tr>
<td>3</td>
<td>Laboratory</td>
<td>15/25</td>
</tr>
<tr>
<td>4</td>
<td>Project</td>
<td>/</td>
</tr>
<tr>
<td>5</td>
<td>BA/MA Seminar</td>
<td>/</td>
</tr>
<tr>
<td>6</td>
<td>Other</td>
<td>/</td>
</tr>
<tr>
<td></td>
<td>Total number of hours</td>
<td>45/45</td>
</tr>
</tbody>
</table>

24. Total hours: 90

25. Number of ECTS credits: 3

26. Number of ECTS credits allocated for contact hours: 2

27. Number of ECTS credits allocated for in-practice hours (laboratory classes, projects): 1

26. Comments:

Approved:

(……. date, Instructor’s signature) (……. date, the Director of the Faculty Unit signature)