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| Title<br><b>Reliability of man</b>   | Code<br><b>10111051210111201106</b> |
| Field<br><b>Safety Engineering - Part-time studies - Second-cycle studie</b>           | Year / Semester<br><b>1 / 2</b>     |
| Specialty<br><b>Ergonomics and Work Safety</b>   | Course<br><b>elective</b>           |
| Hours<br>Lectures: <b>1</b> Classes: <b>12</b> Laboratory: -    Projects / seminars: - | Number of credits<br><b>4</b>       |
|  | Language<br><b>polish</b>           |

**Lecturer:**

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**Status of the course in the study program:**

Elective object

**Assumptions and objectives of the course:**

Cognition and understanding of principal theoretical and practical aspects of a rational formation of optimum for work conditions. Getting the ability of applying the concept of composite cognition in design and use of technologies relate to work.

**Contents of the course (course description):**

The idea of reliability, reliability in system approach, formation of measures of reliability of man, psychological abilities of a man that form principles for prediction of errors, practical use of the knowledge on man's reliability, psychological concept of regulations of difficult situations. States of a man and his reliability (tiredness, monotony, stress), the role of a man in provision of reliance in the man ? to ? technology system, algorithm for analysis of a system from the point of view of the human factor, control of balance between possibilities and requirements, appliance of the theoretical approach of cognitive psychology ? i.e. cognitive ergonomics.

**Introductory courses and the required pre-knowledge:**

Basic knowledge in ergonomics and techniques.

**Courses form and teaching methods:**

Lecture and classes

**Form and terms of complete the course - requirements and assessment methods:**

Individual work at the end of the semester

**Basic Bibliography:**

**Additional Bibliography:**