Tárgytematika / Course Description
Fire and Occupational Safety

GKNB_MGTA005

Tárgyfelelős neve / Teacher's name: dr. Kuti Rajmund
Félév / Semester: 2022/23/1
Beszámolási forma / Assesment: Folyamatos számonkérés
Tárgy heti óraszáma / Teaching hours(week): 2/0/0
Tárgy féléves óraszáma / Teaching hours(sem.): 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

Aim of course

The aim of the course is to provide the students with the legal background of fire protection and occupational safety, the basic concepts related to the topic, and to be able to identify the fire and occupational safety risks that threaten the given activity. It is an important task to learn the basics of combustion theory, the possibilities of fire prevention, the materials and tools that can be used for fire fighting. Students must also gain knowledge of the design of safe work environments, the dangers of working, the possibilities of prevention and the related regulations.

TANTÁRGY TARTALMA / DESCRIPTION

Curriculum content by educational week: 1-13.

1. week:

Requirements of the course, description of the topic.

Overview of basic concepts related to the topic.

2. week:

Review and systematization of literature related to the subject of fire protection.

Basics of combustion theory.

3. week:

Fire-fighting theory. Presentation of materials for fire fighting and extinguishing.

4. week:

Types of hand fire extinguishers, rules for their use. Case study.

5. week:

Possibilities of fire prevention. Interpretation of fire alarms. Appropriate behavior in the event of fire. Investigation of fire cases.

6. week:

An overview of the relevant occupational safety literature. Formation and concept of labor protection. Occupational safety, occupational health, ergonomics.

7. week:

Obligations and rights of employers and employees Workspace requirements.

8. week:

Accident, work accident, occupational disease. Reporting and investigating work accidents. Case study.

9. week:

Chemical safety. Health and safety issues of working with hazardous substances. Interpretation of safety and health signs.

10. week:

Closed exam

11. week:

Rules for the application of personal protective equipment. Obligations of employers regarding the selection and application of personal protective equipment. Case study.

12. week:

Principles of workplace risk assessment, related tasks. Electrical safety, touch protection. Safety and health requirements for work equipment.

13. week:

Work regulations in hazardous environments (construction, explosive environmet).

Case study.

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

COURSE REQUIREMENT

Requirements for students are contained in the CURRICULUM PROGRAM and its supplement as described below. For other matters, the STUDY AND EXAMINATION RULES shall prevail.

Assesment method:

CLOSED EXAM: 10. week

Points available: 24

score for signature: 14

Re closed exam: **13. week**

Semester Evaluation

The semester's signature and the prerequisite for the exam are is to achiecve at least 14 points at the closed exam!

The exam is written.

Evaluation:

0 - 13 points 1 insufficient

14 -16 points 2 is enough

17 -19 points 3 average

20 -22 points 4 good

23-24 points 5 outstanding

If the student's mid-term closed exam score is between 20 and 24 points a grade can be offered:

For 20 -22 points 4

For 23-24 points 5

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Required literature:

- Presentation material.

Recommended literature:

Jonathan Backhouse: Fire Safety and Risk Management, ISBN 9781-138677739, Taylor and Francis 2016.

AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL