

Forest fire protection

profile	general academics
degree	first degree
programme	ERASMUS
semester	1
part time / full time	full time
ECTS	2
coordinator	dr inż. Anna Szajewska

form of the activity: exercise

hours	15
prerequisites	Achieving learning outcomes in the scope of: basic knowledge of rescue operations, fire protection, environmental protection, methods of fire protection and methods and means of extinguishing fires, organizing and conducting fire extinguishing operations.
objectives	The basic didactic objective is to acquire concepts and understand methods of fire protection of forest complexes, preparing them for conducting fire extinguishing operations.
methods	Presentation
own work	Studying Literature
basic literature	Presentation from the lecture. Instrukcja ochrony przeciwpożarowej lasu, Wyd. CILP Warszawa 2020.
supplementary literature	Wiler K., Wcisło P.: Ochrona lasów przed pożarami, Wyd. CILP Warszawa 2013. Wiśniewski W.: Organizacja i technologia gaszenia pożarów lasu, Wyd. SA PSP Poznań 2001. Przepisy prawa (ustawy i rozporządzenia) związane z bezpieczeństwem pożarowym lasu.

contents	hours
Principles for preparing indicative maps of forest fire protection.	3
Designing areas of protected forest areas in forest complexes with water drawing stations at water sources for fire-fighting purposes.	3
Designing fire access networks in forest complexes.	3
Designing firebreaks in a forest complex in the vicinity of facilities that may pose a fire hazard to the forest	2
Designing permanent ground observation points in forest complexes to detect fires and to alert about their occurrence	2

Designating places in forest complexes for setting up information and warning boards regarding forest fire protection, ground bases of forest fire extinguishing equipment.	2
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form of the activity: exercise

hours	15
prerequisites	Achieving learning outcomes in the scope of: basic knowledge on rescue operations, fire protection, environmental protection, fire protection methods and means of extinguishing fires, organizing and conducting fire extinguishing operations.
objectives	The primary teaching objective is to acquire concepts and understand methods of fire protection in forest complexes and the principles of organizing and conducting fire-fighting operations during forest fires.
methods	Multimedia presentation
own work	Studying literature
basic literature	Presentation from the lecture.
supplementary literature	1) Instrukcja ochrony przeciwpożarowej lasu, Wyd. CILP Warszawa 2020. 2) Wiler K., Wcisło P.: Ochrona lasów przed pożarami, Wyd. CILP Warszawa 2013. 3) Wiśniewski W.: Organizacja i technologia gaszenia pożarów lasu, Wyd. SA PSP Poznań 2001. 4) Przepisy prawa (ustawy i rozporządzenia) związane z bezpieczeństwem pożarowym lasu.

contents	hours
Characteristics of forests around the world, Europe and Poland. Basic concepts related to forests.	2
Causes of forest fires. Fire weather. Types and size of forest fires. Information and warning boards regarding forest fire protection. Categories and degrees of forest fire hazard. Firebreaks in the vicinity of facilities that may pose a fire hazard to the forest.	3
Observation and patrolling of forest complexes in order to detect fires and alert about their occurrence.	1
Plans and procedures in the event of a forest fire. Dispatching firefighting forces to a forest fire. Firefighting tactics during various forest fires, including reconnaissance, methods, variants and forms of firefighting operations. Cooperation of firefighting forces during forest fires with entities supporting firefighting operations and forest owners and managers.	3
Ground bases of forest firefighting equipment and their equipment. Aircrafts in forest fire protection.	1
Extinguishing agents, fire-fighting techniques and methods of extinguishing forest and grassland fires.	2
Analysis of real events. Case study.	2
Test	1