



- 3 Classify risk management practices at landscape, community and property scale.
- 4 Recognize factors responsible of vulnerabilities of WUI communities and properties.
- 5 Analyse building envelope response to fire attack and performance of innovative risk mitigation strategies.

**Conditions for credit contract**

This course unit cannot be taken via a credit contract

**Conditions for exam contract**

This course unit cannot be taken via an exam contract

**Teaching methods**

Group work, Seminar, Excursion, Lecture, Practical, Independent work

**Extra information on the teaching methods**

Theory and exercises are taught during lectures, periodic individual assignments, case studies in groups.

Laboratory exercises are performed at the UPC PC labs.

Field trips are organized to have students real contact with land management practices and actors, case studies in WUI communities and novel WUI risk management projects.

**Learning materials and price**

All material needed can be found digitally on the course web (for free)

**References**

Manzello, S.L. Encyclopedia of wildfires and wildland urban interface WUI fires, Springer, 2020.

**Course content-related study coaching**

Interactive support through the electronic learning environment, in person after agreement on date and immediately before and after hearing classes.

**Assessment moments**

end-of-term and continuous assessment

**Examination methods in case of periodic assessment during the first examination period**

Written assessment with multiple-choice questions, Written assessment with open-ended questions, Written assessment

**Examination methods in case of periodic assessment during the second examination period**

Written assessment with multiple-choice questions, Written assessment with open-ended questions, Written assessment

**Examination methods in case of permanent assessment**

Assignment

**Possibilities of retake in case of permanent assessment**

examination during the second examination period is not possible

**Extra information on the examination methods**

The examination of the course consists of three parts: A written mid-term exam, a written final exam and the continuous assessment.

**Calculation of the examination mark**

30% mid-term exam, 40% final exam, 30% coursework

**Facilities for Working Students**

There are no special facilities for working students