

## Syllabus

001-2-2074

Viticulture in arid and semi-arid environments

3 Credits

### **Course Description:**

This course is designed to introduce students to grapevine physiology and vineyard management in arid environments. We will discuss current practices for establishing and maintaining a high-quality productive vineyard in areas that are at risk of climate hazards, specifically those related to semiarid-arid environments. Topics covered include vine physiology and stress response, varietal and rootstock selection, site preparation and selection, vine growth development and training, trellis systems, fertigation, weed control and vine disease control.

**Field practicum sessions consisting of 4d** of hands-on experience will be scheduled in the region vineyards. Additional 2 hours weekly will be dedicated to theory lectures in class.

The classes will be given during the second semester and the tours will be in between July and August.

**Limitations:** The course is limited to up to 8 students.

**Requirements:** Participation to the 4 field excursion and a final exam.

**Credit:** 3

**Lecturer:** Prof. Aaron Fait

### **References**

Text to read will be given to the students during the course and will mainly consist of scientific articles.

The course will be also based also on the text book "**The science of Grapevines**" by Markus Keller