



## **Biology & Management of the Grapevine (LV 952.308 / 952.331) & Practices (LV 952.104) Compact Course 2011**

BOKU offers a one-week Compact Course for students interested in Viticulture, Winter semester 2011 (10.10. – 14.10.2011) covering lectures, seminars & discussions, exercises and excursion.



### ■ Objectives:

This course provides students with a detailed understanding of grapevine physiology and management of vines for quality wine production. A detailed understanding of grapevine photosynthesis and carbohydrate partitioning as a basis for vine pruning and training is provided as well as the processes involved in grape maturation, from flower cluster initiation to fruit set, to final ripening. Grapevine nutrition is covered with an eye on quality production.

Tutorials on special issues of stress physiology discuss current viticulture research topics, and the class will participate in a research project.

### ■ Contents:

Principles of biology and cultivation of the grapevine including taxonomy, morphology, physiology, propagation and production as well as botanical aspects including anatomy, physiology and biochemistry of berry development and fruit ripening.

Impact of physiological variables such as photosynthesis, assimilate translocation, mineral nutrition, phytohormones and water relations on growth and fruit development, ripening and composition. Special discussion of stress physiology on selected issues.

### ■ Organisation:

Classes and exercises will be taught at BOKU - UFT, Konrad-Lorenz-Strasse 24, Tulln, Seminar Rooms: UFT-SR15, IFA-EG/127, IFA-ZE/E/27.

Accommodations for International Students available on request: Junges Hotel Tulln, Marc Aurel Park 1, 3430 Tulln, Tel.: +43 (1) 227 26 51 65, [tulln@noejhw.at](mailto:tulln@noejhw.at)

A small fee will be charged for Excursion and Wine tastings.

The course is limited to 30 students.

### ■ Sign up:

The course via BOKUonline <https://online.boku.ac.at/>

Biology and Physiology of the Grapevine (952.308) 3 ECTS

Biology & Management of the Grapevine (952.331) 3 ECTS

Biology and Physiology of the Grapevine – Exercises (952.104) 1,5 ECTS

### ■ Contact & Information:

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