1- Module title: Vine and Grape morphology and physiology

Key words: Vitis, grapevine, morphology, development, annual cycle ..............................

Core module ☑ / Elective module ☐  Number of ECTS: 4

2- Module leader(s) & guest lecturer(s)/expert(s):

Enrico Peterlunger, Laurent Torregrosa..............................................................

3- Main contact(s) for pedagogical queries:

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E-mail: peterlunger@uniud.it.............................. Cell phone: +39 328 1296396 .......

4- Module objectives: (knowledge/skills acquisition)

Acquisition of basic knowledge of grapevine morphology and anatomy, at a whole plant level, as well as organ and tissue level. Furthermore, the course aims to let the student know the annual cycle of development, both vegetative and reproductive. ........................................

5- Pre-requisites: (disciplinary bases)

Plant biology
Fundamentals for Vine biology

6- Methodology: (pedagogical approach, types of activities, load of personal work...)

Classroom lessons with transparencies & .ppt files
Visits in the vineyard
Laboratory with stereo microscope for organ dissection (lancet needed)

7- Module contents:

8- Bibliography /references /journals & internet sources of information :
(litterature that students will have to read within their personal workload)
Winkler et al., General Viticulture, University of California Press, 1995 (chapters on grape morphology)
M.G. Mullins et al., Biology of the grapevine, Cambridge University Press, 1992 ......................

9- Module assignment(s) / assessment(s) / evaluation :
The exams will be an oral interrogation on the program............................................................

10- Comments / observations :
Possibility of written exams .....................................................................................................