

- Coordinator: Carlos M. A. Lopes
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- **Timetable: Monday, 9:00-13:00, classroom Herbário**

Program and calendar 2025/26

1. Presentation and Introduction to the Seminar course (6th October 2025)

- Main objectives of the Seminar course
- Program, Calendar and Assessment
- The three possible types of Master Dissertation
- Contents of the Seminar Report
- Timeline and Assessment
- Urgency for choosing the type of dissertation, thesis subject and supervisors
- Legislation and rules regarding the Dissertation (Academic Division).

Program and calendar 2025/26

2. Master Dissertation Subjects 2025-2026 (13th October 2025)

- Presentation of the LEAF research center and the thematic line Grapevine & Wine;
- Main projects in Viticulture & Enology running on LEAF;
- Available Master Thesis Subjects 2025-2026: Overview of current available dissertation topics in Viticulture and Enology
- Detailed description of some Dissertation subjects (invited colleagues from Enology and Viticulture).

Program and calendar 2025/26

20th October 2025

Visit to the Wine Fair “Vinhos e Sabores”



Program and calendar 2025/26

❖ October 27: **Pedagogical break** – first attempt to contact potential supervisors

Program and calendar 2025/26

3rd November 2025

9:00 – 10:30 Seminar

Seminar on “Wines of Portugal – an overview”

Invited speaker Frederico Falcão – president ViniPortugal

11:00- Visit the Wine Fair “Essencia do Vinho”



Program and calendar 2025/26

❖ November 10th

- Seminar on **Artificial Intelligence in Research: Ethics in Practice and Support Tools**
(MRosario Fernandes, ISA)

3. Rules and regulations for the organization, writing and presentation of the master's dissertation (cont)

3.1-General structure of the Dissertations;

- Example for a Scientific dissertation
- Title, introduction and definition of the dissertation aim and objectives;
- Abstract & keywords;
- Literature Review (State of the art): bibliographic sources and computer tools to search, manage and create the list of references; rules for bibliographic citation and for producing the list of references.
- Material and Methods
- Results: Data organization, analysis and presentation: examples using excel and specific statistical software. Data presentation: Tables and plots.
- Discussion: how to interpret and explain the main results and discuss them in relation to previous literature.
- Conclusions and future prospects

3.2. Other possible Dissertation structure: e.g. Project and Report of the professional internship

- Description of the structure of the other types of Dissertation: Project and Report of the professional internship;
- Main Tools to search and organize literature.
- Criteria for the evaluation of the master's dissertations

3.3-Main Tools to search and organize literature.

3.4- Criteria for the evaluation of the master's dissertations

Program and calendar 2025/26

- **Study visit (24-26th November)** to the Vinhos Verdes, Douro, Dão and Bairrada winegrowing regions

Program and calendar 2025/26 (1 & 8th December)

Holidays – Try to contact the supervisors and discuss 1st
draft of the Dissertation Plan

Program and calendar 2025/26 (16th December

Master Thesis: Tutorial sessions with the supervisors. Reviewing the 1st draft of the Dissertation Plan.

Possible Types of Master Dissertations

a) **Scientific Dissertation**

b) **Project:** research or technical project - e.g. setup of a vineyard or a winery, project to solve a technical problem, etc;

c) **Report of a Professional Internship** (minimum of 800 h work): Report on the main topics of the work performed during the internship with a general literature review and a critical analysis and suggestions to improve the technology and practices used.

Possible Types of Master Dissertations

a) e.g. Scientific Dissertation



*Grapevine yield estimation using image analysis for the variety
Arinto*

Ruben Bonaria

Dissertation to obtain a Master's Degree in
Engineering in Viticulture and Oenology – Double Degree

Supervisor: Prof. Carlos Lopes

Supervisor: Prof. Vittorino Novello

(Draft Version)

Possible Types of Master Dissertations

b) e.g. **Project**

Planting a new vineyard



Projeto de Plantação de uma Vinha

Rafael Tavares de Carvalho

Dissertação para obtenção de grau de mestre em
Engenharia da Viticultura e da Enologia

Orientador: Professor Doutor Carlos Lopes

2021



Possible Types of Master Dissertations

b) e.g. **Project for planting a new vineyard**

- ❖ Installation project: Definition of vineyard objectives, legal issues, varieties, costs and financial support.
- ❖ Previous studies on the characterization of the plot: climate, soil, topography, configuration, slope, exposure, drainage needs, irrigation needs, etc. Environmental impact.
- ❖ Definition and justification (based on literature) of the main technical options: grape varieties, rootstocks, plant space and density, row orientation, training system, trellis type and materials;
- ❖ Project implementation: ordering plant material; planting schedule; land preparation and planting techniques, cultural practices in the first years of the vineyard.
- ❖ Cost analysis
- ❖ Discussion regarding the main points and problems
- ❖ others

Possible Types of Master Dissertations

c) e.g. Report of a
professional
training -
INTERNSHIP



Vintage in New Zealand – Framingham Wines

Gonçalo Tiago Dias de Abreu Hipólito Reis

Dissertation to obtain the degree of

Master of Engineer of Viticulture and Enology

Supervisor: Jorge M. Ricardo da Silva, Instituto Superior de Agronomia, Lisbon,
Portugal

(Versão Provisória/Provisional Version)

Possible Types of Master Dissertations

c) e.g. **Report of a professional INTERNSHIP**

- ✓ Introduction: Introduce the main topic (viticulture or oenology or both), place and main aims;
- ✓ a theoretical framework (state of the art) focus on the main topic/aims;
- ✓ The characterization of the host institution or company: site, ecology (soil and climate – bioclimatic indices);
- ✓ Description and calendar of all tasks performed;
- ✓ For each main activity: describe, justify (based on literature), criticize and, if appropriate, make relevant recommendations for the use of other alternatives;
- ✓ List the problem situations and propose solutions for their resolution;
- ✓ Summary and main conclusions regarding what you have done and learned
- ✓ Other items should be added according to the specific case of the internship

SEMINAR REPORT – Main contents

Written report (~10 pages + attachments), with the **Dissertation Plan** which should include the following components (adapted according to the type of dissertation). Note that for Professional Training and Project Dissertation other specific components could/should be added):

- **Title, framework and objectives;**
- **Literature review** synthetizing the state of the art (scientific and project dissertations) or ecological, economical and Vitivinicultural context of the company (Professional Training);
- **Description of the experimental component** (Scientific dissertations) or site and/or company (Professional training dissertation); or site and company description + overview of the Project plan (Project dissertation);
- **Expected results;**
- **Timeline;**
- **List of references;**

The report will constitute the basis for the first part of the future Dissertation and should be **formatted according to the Dissertation rules established by the Academic Division.**

Timeline and Assessment

The Seminar Report will constitute the basis for the first part of the future Dissertation and should be written during the semester (start as soon as you have defined your topic and supervisors) and **delivered until the 31th January 2026**. To accomplish this objective, it is needed a fast decision regarding the topic, venue, supervisor and type of Dissertation.

The evaluation is composed of two components:

- a) **Written report with the Dissertation Plan;**
- b) **Oral presentation** (10 minutes) followed by a discussion with the jury. This presentation will be scheduled for the week following the delivery (last period of exams of the 1st semester ~ beginning of February 2026).

The jury will focus the evaluation on the following items:

- **Technical and scientific quality;**
- **Form and contents;**
- **Oral communication skills**

Note: Students should have **75% attendance** to be eligible to deliver the Seminar Report.

Some Literature

- Bui, YN, (2014). How to Write a Master's Thesis. 2nd edition. SAGE Publications, Inc, CA, USA.
- Doumont, J, (2010). English Communication for Scientists. Cambridge, MA. NPG Education.
- Madeira AC, Abreu MM, (2004). Comunicar em Ciência: como Redigir e Apresentar Trabalhos Científicos. Lisboa: Escolar Editora.
- Malmfors B, Garnsworthy P, Grossman M, (2004). Writing and presenting scientific papers. 2nd Edition. Nottingham University Press. Nottingham, UK.
- Pereira A. & Poupá, C. (2018). Como escrever uma tese, monografia ou livro científico usando o Word. 7^a ed. Lisboa, edições Sílabo.
- Ruxton GD, Colegrave N, (2006). Experimental design for the life sciences. 2nd edition, Oxford University Press, Oxford, UK.
- Schimmel J, (2012). Writing Science. Oxford University Press. Oxford, UK.

Master dissertation Subjects 2025-2026:

Overview of current available dissertation topics in Viticulture and Enology

See excel file on Fenix