



PhD in Life Sciences

Milestones of your thesis

For PhDs who enrolled at the UNIL-FBM
from Spring 2017

Doctoral School FBM - Thesis Office

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1. This booklet is intended for PhD students who enrolled officially at the UNIL-FBM from Spring 2017

Welcome! The present document summarizes the necessary steps to complete a PhD in Life Sciences at the University of Lausanne **in accordance with the Rules updated in 2017**. We recommend that you download this document from our website, so that you are able to use the clickable links:

<http://www.unil.ch/ecoledoctoralefbm/rulesandforms>

If you enrolled as PhD student before Spring 2017, please read the booklet "Milestones of your thesis", in accordance with the Rules set out in 2010.

2. Following registration

Each PhD student has a **thesis committee** that follows her/his progress during the thesis period. The committee's composition must be communicated to the Doctoral School **at the latest one semester following your registration**, and selected by common consent between the thesis director and yourself.

The committee includes:

1. The thesis director (and co-directors, if applicable).
2. Two experts, with at least one employed outside of the Department of your thesis director. The experts should not have a collaboration on the thesis project. *Note that for the final thesis defence, at least one expert of the Jury will have to be from outside the University of Lausanne; this can either be a member of the thesis committee or you can an additional expert fulfilling this requirement.*
3. The president (nominated by the Doctoral School).

3. During the 2nd semester

A short report summarizing the thesis subject, the thesis milestones/plan & the research progress must be prepared **by the end of the second semester for a first evaluation by the thesis committee**. The report should then be sent by e-mail to ALL the members of the thesis committee with in copy (Cc) the thesis director and the Doctoral School (phdthesis@unil.ch).

4. At the end of the 1st year

- Compile and complete the ECTS documents related to your doctoral program. A minimum of 4 ECTS (including 2 tutorials accredited by the Doctoral School) have to be obtained by the end of the 1st year of your thesis according to the requirements of the program you are enrolled in (program free study option or with a study option);
- Forward all the documents by postal mail to the Doctoral School FBM if you are enrolled in the free study option program.
- If you are enrolled in a program with a study option, forward them to the appropriate **Program Coordinator**.

5. Mid-thesis exam

The mid-thesis evaluation must be held at the latest two years following the start of the PhD Assistant contract or 3 semesters after the official enrolment date. During this exam, the student presents the progress of her/his research project in front of the thesis committee.

The PhD student, together with the thesis director(s) and committee members (including the president), choose an examination date.

At least 15 days prior to the mid-thesis exam, you should forward the following information to the Doctoral School:

- The mid-term report presenting the results and research progress (max. 20 pages, double-spaced, 30 references max.). This document should be signed by you and the thesis director and then sent by email to ALL the members of the thesis committee with a copy (Cc) the thesis director and the Doctoral School (phdthesis@unil.ch).
- An e-mail to phdthesis@unil.ch mentioning the date, hour and place of the exam.

For more details (exam duration, format of the report...), check our **Directives 2017 for the PhD in Life Sciences, section "Evaluation intermédiaire"**.

6. End of the program

You need to fulfil the following program requirements: minimum 12 ECTS, according to the specific conditions of the *free study program option* or *without a study option*. Please forward the documents for validation of courses at any time during your thesis, but **at the latest** 4 weeks before depositing the thesis manuscript to the Doctoral School Secretary's Office (=manuscript for the oral private exam).

Please forward the ECTS documents (minimum 12 ECTS) to the FBM Doctoral School (for the program free study option) or **your coordinator** (for any program with a study option), possibly by postal mail, or if abroad e.g., by e-mail, in PDF with all the relevant documents merged in the appropriate order. More information can be found on our guidelines (program free study option): [here](#).

Should you have any queries on the requirements of the program in which you are enrolled, contact program.ls@unil.ch (program free study option) or your **program coordinator** (program with a study option).

7. Are you ready to defend your thesis?

In brief, you will have to write your thesis and then defend it at the “private defence” session in front of your selected jury (see below). If you pass, you will then be allowed to present your research in a format accessible to non-scientists in front of a public audience. At this point, the jury will give a formal final evaluation considering these four points:

- 1) The research work (skills and autonomy of the PhD candidate; originality of the PhD project)
- 2) The format and writing style of the thesis
- 3) The private defence/exam (aka: soutenance privée, colloque de these, private exam, or oral private exam)
- 4) The public defence/exam (aka: soutenance publique, public exam, or oral public exam)

The thesis defence usually takes place in the **3rd, 4th or 5th year** of enrolment in the program, providing that the minimum 12 ECTS of coursework (and the any possible additional requirements of the PhD programs with a study option) have been obtained and the mid-thesis exam has been successfully passed. It is the responsibility of the PhD student together with the thesis director to determine if a sufficient amount of work, of publication quality, has been completed in order to start the end of thesis process.

A. Thesis format

Consult the Thesis Formatting Section (below) to duly organize and format the thesis document.

B. Select your jury

A thesis jury needs to have minimum of 4 members and maximum of 6 and should include:

- The thesis director (and co-directors, if applicable)
- Two (or three, see page 2, chapter 2.2) experts, with at least one coming from outside the University of Lausanne. *Note that none of the experts can have collaborated in the thesis project or published with you.*
- The jury president (nominated by the Doctoral School at the beginning of the thesis to chair the thesis committee).

Email all jury members to coordinate a date for the private thesis defence. Once the date is fixed, reserve a room on the campus to hold the private defence. The composition of the jury, as well as the date and location of the exam should be announced to the thesis office (phdthesis@unil.ch) at least **5 weeks prior to the private thesis defence**.

C. Before the private defence (Art. 15 of the 2017 Rules “PhD en sciences de la vie”)

You will need to send the following documents to the thesis office **at least 5 weeks before the private defence**:

- A copy of the thesis (paper version)
- A letter, or an email, signed by the thesis director indicating the name, address and e-mail (the fax, if any) of each jury member, and also the location, date and time chosen for the private defence.
- An updated version of your CV.
- A list of publications, including articles and abstracts related to the thesis project.
- Two one-page summaries of the thesis, one in English and one in French. Each summary must be written on a separate page and include the title of the thesis, the name of the PhD student and the name of the host department of the thesis project.
- A one-page summary of the thesis written for the general public, in French (please do not forget to translate the title of the thesis into French).
- The Certificate with the credits obtained during the PhD (has to be requested at the latest 4 weeks before the deposit of the thesis manuscript for the private defence to program.ls@unil.ch , or for students enrolled in a program with a study option, directly to the program coordinator).
- Along with the items in this checklist: [click here](#).

At the same time, send a copy of the thesis to all jury members. Unless they specifically request the electronic version of the thesis, each jury member should receive a hard copy (the printed document).

The Doctoral School will send an e-mail to the jury, with the PhD candidate in copy (Cc) asking them to send their report to the Doctoral School at least one week before the private defence. On this report, they will evaluate the format and contents of the thesis and indicate whether they consider the thesis eligible for attributing a PhD degree. After receiving these reports, the Doctoral School will send them to the president of the jury.

After receiving the thesis, the Doctoral School will send a request of payment for the **exam's registration** (500 CHF) to the student's private postal address.

8. Private Defence

During the private thesis defence your knowledge in the thesis field will be evaluated.

The defence (1-2 hours) will be conducted in the following order:

- 20-40 minutes oral presentation by the PhD student
- 2 rounds of questions from the experts
- Deliberation by the jury

The language of the thesis defence should be either English or French; the language should be decided by common consent between the jury members, the thesis director and the PhD Candidate.

During the deliberation, the jury assigns 3 grades (ranging from 1 to 6; a pass grade is 4; half points are accepted) evaluating three aspects of the thesis:

- The research work (skills and autonomy of the PhD candidate; originality of the PhD project)
- The format and writing style of the thesis
- The private examination, including presentation skills and responses to questions posed by the jury members

You will need to obtain **a minimum grade of 4 on each of these above-mentioned aspects** in order to pass the exam and to continue to the public defence. Given that you have successfully passed the private defence, you need to fix a date for the public thesis defence, together with the jury members (at least the jury president and thesis director require to be present). The public defence should take place **a minimum 3 weeks following the private exam**. Once the date is agreed upon, you need to reserve an auditorium to hold the public defence and announce the location, date and time to the thesis office (phdthesis@unil.ch).

If the jury requires corrections to your thesis, the document completed during the private defence (the “procès verbal”) should specify it. The thesis director is the person who is responsible for checking your corrections. Your thesis director has to receive the corrections, and announce to the thesis office that the new version of the thesis is acceptable in its revised form, **at least one week before the public defence**.

The **printed final version of the thesis** should be handed to the president of the jury, **at, or prior to the public defence**. During the private defence, the “procès verbal” document will be filled out specifying whether the public defence will be held in French or English (or in another language, upon agreement of the jury members).

9. Public Defence

As indicated beforehand, the public thesis defence takes place at least **3 weeks following the private defence**. At the end of the public defence, the members of the jury decide whether the thesis is judged as acceptable (“réussi”) or not (“pas réussi”). If the judgement is positive, you will receive the “imprimatur” page (official approval that the thesis can be printed) from the jury president, a copy of this page needs to be included in all final copies of the thesis.

10. After the public defence

A. Bound copies of the thesis document

After the public defence, you have a **maximum of six months** to prepare official bound copies (see Thesis Formatting Section below) of the thesis document and distribute them as follows:

- 1 copy for the Doctoral School to be sent to the thesis office
- 1 copy for the department where the research was done
- 2 copies for the thesis director
- 1 copy for each member of the jury. To avoid wasting paper, time and money, we recommend that the jury members be contacted to make sure they really want a final hard copy of the thesis. You do not need to send a copy to the president, unless she/he requests it
- 3 copies for the BCUL (Bibliothèque Cantonal et Universitaire Lausanne), one of them with a summary of the thesis in English. These 3 copies for the BCUL should be accompanied by a form available on our website [here](#).

Please note that **PhD students have to remain enrolled at the University of Lausanne** until the thesis has been deposited to the BCUL and to the Doctoral School.

B. On-line publication of the thesis

The thesis can be published on-line at the University of Lausanne, through the [SERVAL website](#).

C. Order your diploma

Fill in the on-line form “Application de commande électronique de grade” available [here](#). Note that the paper version to order the grade will no longer be accepted. An intermediate official certificate, indicating that a PhD has been awarded, will be sent out by the Doctoral School.

How to format your thesis

A. General formatting requirements for the final thesis version

Some general advice from the "Annexe V, Règlement 2017 pour l'obtention du grade de docteur ès sciences de la vie (PhD)":

- A4 format, 29.7 x 21 cm
- Double-sided printing
- Paper 80 gr/m²
- 40 lines/page maximum
- 15 mm external margin minimum
- Clean presentation of text, pictures and tables, without corrections
- Front cover of the thesis in cardstock (130 - 180 gr/m²); the official title cover is available [here](#)
- The official title page, identical to the front cover of the thesis, but printed on paper (80 gr/m²), with the possibility to include supplementary logos
- An exact reproduction of the "imprimatur" is printed at the back of the second title page (attributed by the thesis jury)
- Please note that the binding of the document cannot be done with rings or plastic

B. How to organize a thesis with published articles

To write your thesis with articles you need to have one or several articles published, or accepted for publication, or at least under review, in peer-reviewed journals. Only if your contribution is significant, the article will be considered as part of your thesis. The advantage of a thesis written with articles is that articles can replace the chapters of the results section.

A thesis with articles should be structured as follows (Annexe III des Directives 2017 pour le Doctorat ès sciences de la vie):

- Front cover of the thesis in cardstock (130 - 180 gr/m²); the official title cover is available [here](#)
- The official title page, identical to the front cover of the thesis, but printed on paper (80 gr/m²), with the possibility to include supplementary logos
- An exact reproduction of the Imprimatur page is printed at the back of the second title page (attributed by the thesis jury)
- Acknowledgements (max 1 page)
- Abstract (in English & French, max 1 page)
- Introduction (max 30 pages)
- Brief summary of the results, indicating precisely your contribution to each article (2-3 pages)
- Discussion (5-10 pages)
- References
- Articles

C. How to organize a thesis without published articles

("Annexe V Règlement 2017 pour l'obtention du grade de docteur ès sciences de la vie (PhD)":

This type of thesis should be structured as follows:

- Front cover of the thesis in cardstock (130 - 180 gr/m²); the official title cover is available [here](#)
- The official title page, identical to the front cover of the thesis, but printed on paper (80 gr/m²), with the possibility to include supplementary logos
- An exact reproduction of the Imprimatur page is printed at the back of the second title page (attributed by the thesis jury)
- Acknowledgements (max 1 page)
- Abstract (in English & French, max 1 page)
- List of Abbreviations
- Table of Contents
- List of Figures
- List of Tables
- Introduction (max 30 pages)
- Materials and Methods
- Results
- Discussion (10-20 pages)
- References

Please **keep in mind the following points** when writing a thesis with or without articles:

- Please download the **thesis official title page** from [our website](#).
- The imprimatur page has to immediately follow the title page in the final thesis version. This can be done by scanning the original imprimatur page and inserting it into the thesis document (please do not use a jpg-photo, the quality is not sufficient).
- A good introduction should show that you have acquired a broad knowledge of the previous and on-going research in your field, do not forget appropriate referencing.
- A good discussion should express critical thinking concerning what you have learned:
 - Discussing your results in light of other's results, making an overall analysis of the publications reviewed
 - Analysing the quality and limitations of the results
 - Formulating conclusions
 - Future perspectives

If you have questions regarding the format of your thesis, or the procedure, do not hesitate to contact the **Thesis Office** :

Doctoral School FBM

phdthesis@unil.ch

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Version November 2017. Only regulatory texts are authentic. All titles and functions may apply to both women and men.