

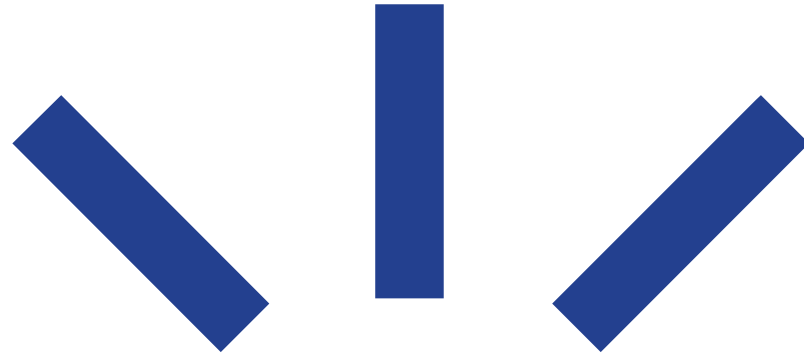
**UNIVERSITY
OF OULU**

The game plan

Rules of play

Karita Saravesi

12th March, 2020



The Game Plan – Rules of Play

12th March, 2020


Karita Saravesi

The Game Plan – Rules of Play

APPLICATION

Doctoral Education, University of Oulu, Spring 2018
Application period 1.1.2018 08:00 - 30.4.2018 15:00

APPLICATION OPTIONS

 Doctoral Degree Programme in Electrical Engineering (4yrs) – University of Oulu, Graduate School (UniOGS)
DSc, Electrical Eng., Doctor of Science in Technology

 Add application option (at most 1)

PERSONAL INFORMATION

Forenames *	Main forename *
<input type="text"/>	<input type="text"/>
Surname *	<input type="text"/>
Nationality *	Finland <input type="text"/>
Personal identity code *	<input type="text"/>
E-mail address *	<input type="text"/>

LIFE AFTER



GRADUATION



ADMISSION

OULUN YLIOPISTON TUTKIJAKOULU

Tohtoriopinto-oikeuden myöntäminen
Granting study rights for a doctoral degree



Dekaanin päätös
Dean's decision

1. Henkilötiedot / Personal information

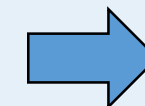
Sukunimi kuten passissa (myös aikaisempi) / Family name as in passport (also previous names) AVERAGE	Etunimet kuten passissa (puhuttelunimi alleiviivataan) / First name(s) as in passport JOE
Lähiosoite / Address YLIOPISTOKATU XXX	
Sähköposti / E-mail address joe.average@email.com	

DOCTORAL TRAINING

Grad School:



WWW.PHDCOMICS.COM



How to navigate through your doctoral studies?



Regulations that UniOGS take into account



1. European level development:

- Seven Principles of Innovative Doctoral Training

2. Finnish law:

- Universities Act (yliopistolaki)
- Government Decree on University Degrees (Valtioneuvoston asetus yliopistojen tutkinnoista)

3. University level regulations:

- University of Oulu Rules of Procedure (yliopiston johtosääntö)
= e.g. management and responsibility, qualification requirements
- University of Oulu Education regulations (koulutuksen johtosääntö)
= e.g. responsibilities on planning and implementation in education, admission, student enrolment, procedures concerning study attainments



What is a doctoral degree?



A title that convinces other scientists that you:

- know your **own field of research** and its social significance;
- are able to independently and critically **apply scientific research methods** to **generate new scientific knowledge**;
- are conversant with the **development, basic problems** and **research methods** of your own field of research
- have gained such knowledge of the general theory of science and of other disciplines relating to your field, that you are able to **follow developments** in them;
- and have achieved adequate **language and communication skills and other general skills** to be a competent and versatile expert capable of demanding duties and international co-operation in working life



What is a doctoral degree?



To be awarded a doctorate, the student must:

- **complete** the **required** postgraduate studies;
- **demonstrate** independent and critical **thinking** in the field of **research**;
- and **write** a doctoral **dissertation** and **defend** it in public.

Government Decree on University Degrees (794/2004 and 1039/2013) ch. 5, § 22



What is a doctoral dissertation?

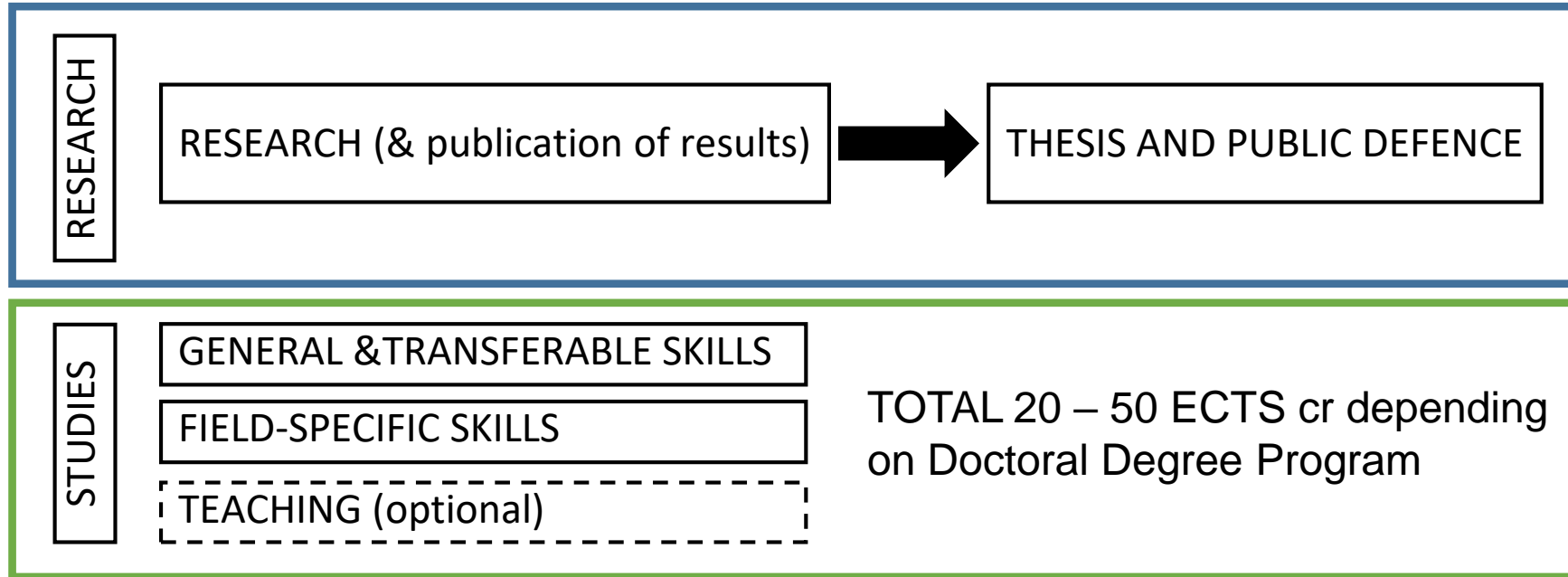
= evidence that the doctoral student can independently and critically apply scientific research methods and generate new scientific knowledge

In the University of Oulu ...

- Doctoral thesis can be a **compilation of** published research **articles** and manuscripts and a summary based on these, **OR** it can be a **monograph**
- **Compilation thesis** is based on international (or in some fields national) peer reviewed scientific publications, which have appeared or have been accepted for publication
- Doctoral thesis may contain **joint publications** or manuscripts, if the independent contribution of the doctoral student can be clearly demonstrated
- <http://www oulu.fi/uniogs/node/50058>

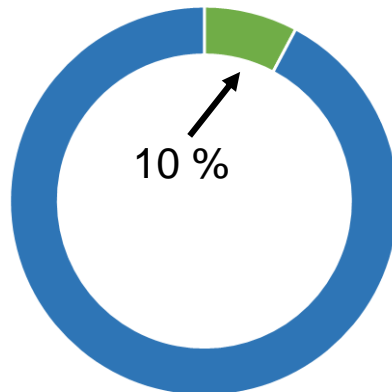


UniOGS: Doctoral training programme

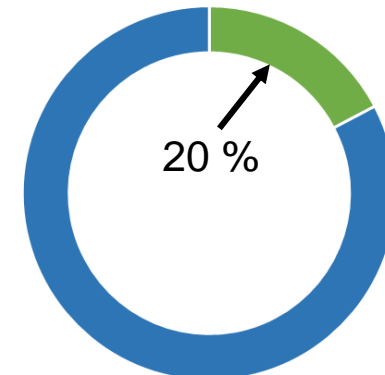


Human sciences,
Biochemistry and
Molecular Medicine,
Health Sciences,
Dentistry,
Medicine

■ studies
■ research



rest are
something
between



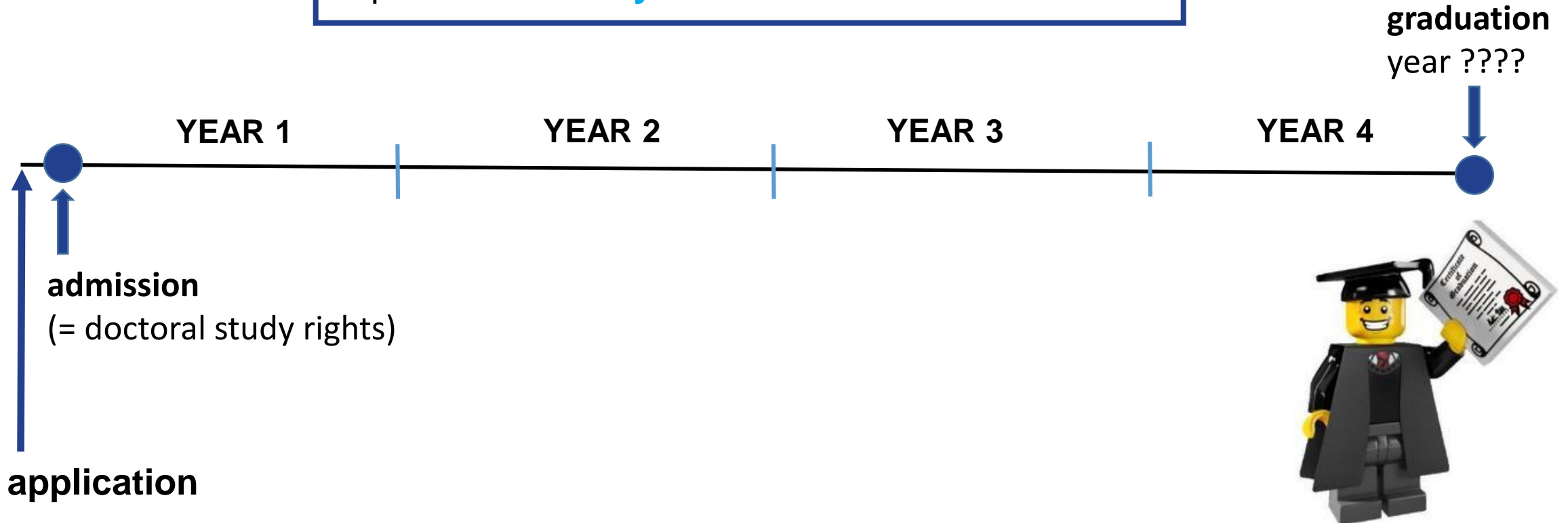
■ studies
■ research

Economics &
business
administration



Time-line of your doctoral training

Doctoral training should be defined in a way that the doctoral degree can be completed within a time equivalent to **four years of full-time studies**.





1st year

acceptance of the Doctoral Training Plan (DTP) = tohtorikoulutussuunnitelma

Follow-up group
= Chair + 1-2 members



1. Nominate your Follow-up group

form (<http://www oulu.fi/uniogs/formslibrary>)

→ send to uniogs@oulu.fi

2. Write your Doctoral Training Plan (DTP)

= research plan + study plan (PSP/HOPS)
+ career plan

3. Have your 1st follow-up group (FUG) meeting

When? By the end of the first year

What? Student presenting DTP & progress
in research and studies

→ follow-up group requires changes to DTP
/ recommends acceptance of DTP

→ FUG chair sends a report + DTP to UniOGS

→ you send your PSP for approval

4. Acceptance of your DTP in Doctoral Training in Committee meeting (3 ECTS; 920012J)



Doctoral Training Plan (DTP)



- The DTP can be one of the most useful tools for keeping you and your training on track
- Written for you, your supervisory team and your follow-up group
- Enhance your skills in writing funding applications!
- A living document that needs updating (→ for each FUG meeting)
- Instructions how to write the DTP: <http://www oulu.fi/uniogs/formslibrary> → Doctoral Training Plan Instructions



Doctoral Training Plan (DTP)

= research plan + study plan (PSP/HOPS) + career plan

A. The Research Plan

e.g. following Finnish Academy guidelines

Abstract (1 page max.)

1. Rationale (background, introduction)
2. Objectives and expected results
3. Research methods and material
4. Ethical issues (if relevant)
5. Implementation: schedule of research and studies, distribution of work, and funding plan
6. Research team, supervision, and collaboration (incl. mobility)

Key literature / bibliography

B. The Study Plan, Oodi-PSP

Follow the requirements of your degree programme + discuss the contents with your supervisor

C. The Career Plan

Part of the research plan or presented separately for EUG



2nd year mid-point of doctoral training

- Research & studies
 - + conferences, research visits?
- Update your Doctoral Training Plan (research plan, PSP, career plan)
- Organize your second follow-up group meeting
 - When?** At the end of the 2nd year
 - What?** Student presenting updated DTP & progress in research and studies & plan for the next year
 - FUG chair sends a report to UniOGS**
 - Mid-term report (0 ECTS; 920014J)**



3rd year

agreeing upon the end-process in the end of 3rd year

- Research (& studies)
+ conferences, research visits?
- Update your DTP
- Organize your third follow-up group meeting

When? At the end of the 3rd year (= approx. one year before the defense)

What? Student presenting updated DTP & progress in research and studies & plans for getting the work ready & discussion about pre-examiners and opponent(s)

Statement on student's state of readiness, FUG chair sends a report to UniOGS

→ Follow-up Group reporting and meetings (1 ECTS; 920007J) / Additional report (0 ECTS; 920025J)



4th year

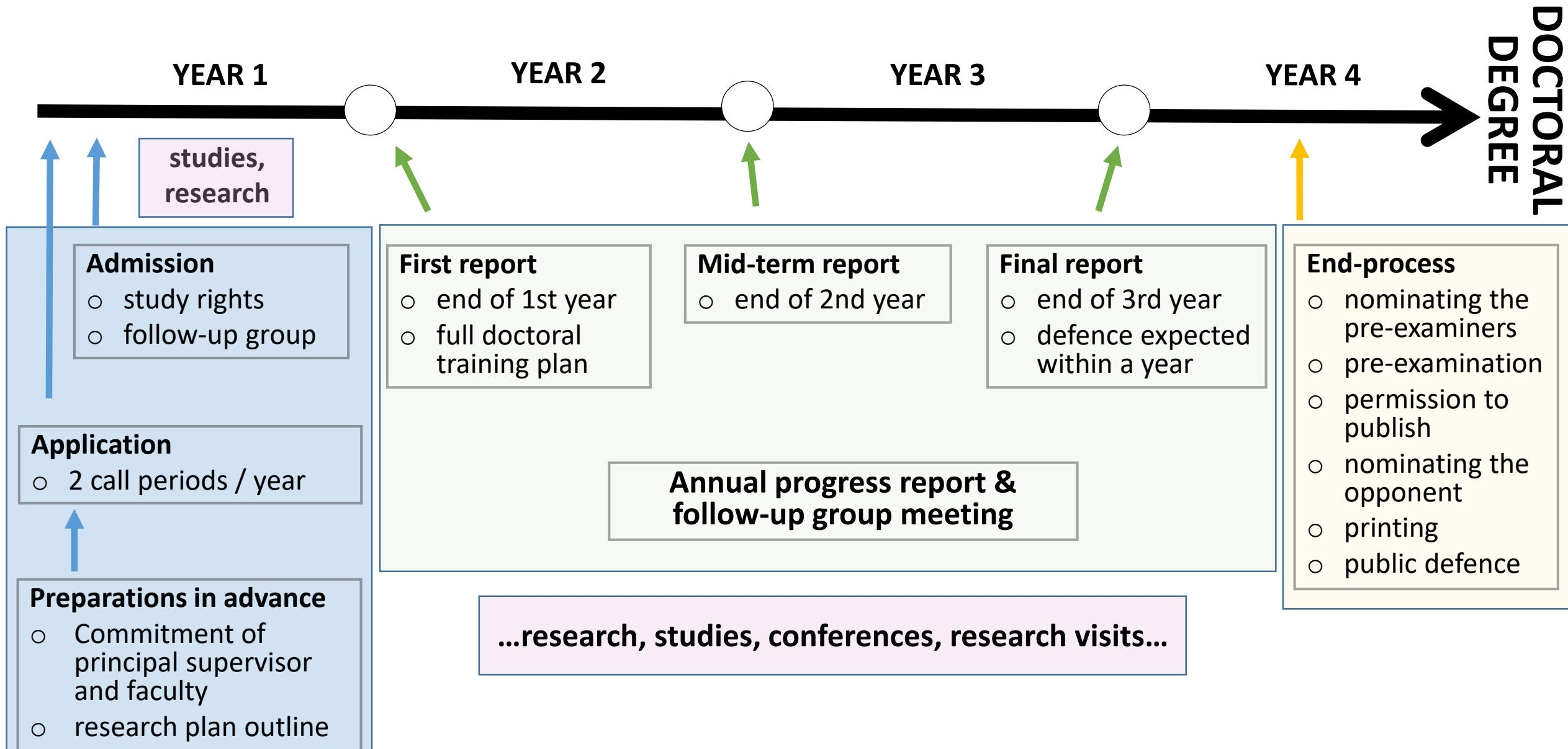
sending the thesis manuscript for pre-examination



- Finalizing research & thesis
- Nomination of pre-examiners, pre-examination
- Permission to publish, naming the opponent(s) & custos
- Public defense

- The length of the end-process c. 6 months
- More information:
 - <http://www.oulu.fi/uniogs/formslibrary> → Instructions and forms for the end-process
 - Towards doctoral degree -info by UniOGS (every spring)

Doctoral training programme – 4 years (of fulltime studies)





What if my work is not going to be ready within 4 years?

- "Four years"
= 4 yrs of effective (full-time) training
- Year number X:
Research & studies
+ conferences, research visits?
Follow-up group meetings
→ Additional report (0 ECTS;
920025J)



Why not?!



Other work? Parental leave? Breaks in funding? Sickness...*

* or problems e.g. in supervision?
→ talk with your follow-up group!



Useful tips for your doctoral training

- 1) **Make sure you have study attainments registered in WebOodi**
 - **Passive register:** A doctoral student's study right is declared passive if the student **has no study attainments during the past two consecutive academic years**, or if the student has enrolled as absent, or neglected to register to the University, for the past two academic years
 - University of Oulu Education Regulations, 4/2016, §9 Student enrolment
 - **Codes used for showing the progress in WebOodi**
 - Nomination of follow-up group (0 cr)
 - First Follow-up group meeting (0 cr)
 - Midterm report of Doctoral Training (0 cr)
 - Additional report (0 cr)
 - Pre-examination (0 cr)
 - Permission to defend the thesis (0 cr)
 - Acceptance & Grading of the Thesis (0 cr)



Useful tips for your doctoral training

2) Remember to register to University for each academic year

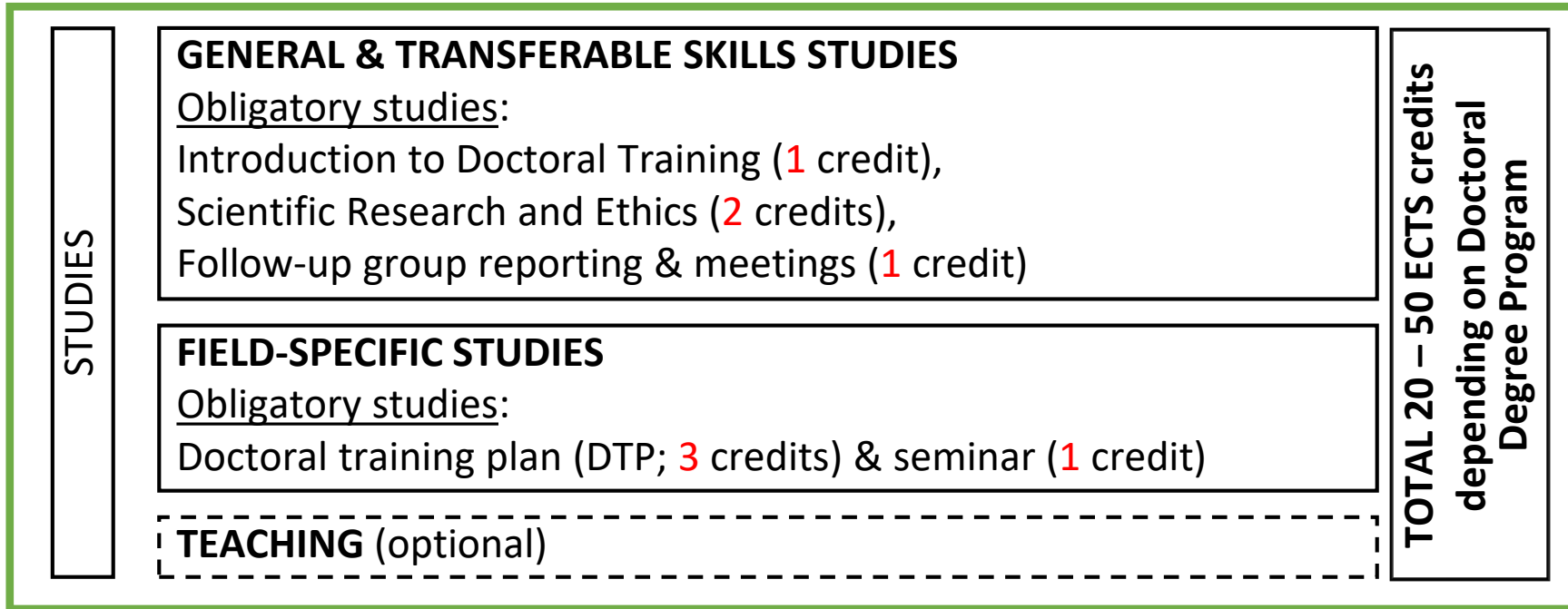
- Registration done in OILI, during May-August
- See information from: <https://www oulu.fi/forstudents/continuing-annual-registration>

3) Apply permissions for your articles

- If your thesis will be a compilation of articles, you need to apply permission to republish the original articles as part of your thesis
- Apply permissions as soon as your article is published – this will speed the end process of your doctoral dissertation
- See information from: <http://libguides oulu.fi/actaguide/originalpublications>



Doctoral studies (total 20-50 ECTS cr)



TEACHING
Depending on the major, a doctoral student may include teaching in the degree.
Prerequisite: University Pedagogy for doctoral students –course (2 cr)!

8 ECTS obligatory study requirements

FIELD-SPECIFIC STUDIES

- At least 16 cr
- Courses that help you to do research
- Talk with your supervisor!
- Post-graduate or advanced courses (with **J- or S-** included in the WebOodi course code)
- Organized by your research unit or Doctoral Programme

See study requirements of your own doctoral degree programme from <https://www oulu.fi/uniogs/studyrequirements>



Optional general and transferable skills courses

It's about the skills, not the degree! Strengthen your weak spots or learn new skills.

Be selfish! Take what you need to develop your future career. Stop counting credits.

For example:

- Basics of university pedagogics for doctoral students
- Responsible research: publications, data, metrics and merits
- Scientific communication
- Communicating science to media
- Project management
- Data visualization
- Utilization of patent databases in research
- IP rights and research
- Mentoring programme

+ University of Oulu Staff Training



Forthcoming UniOGS courses:

920003J **Vastuullinen tutkimus: julkaisut, data, metriikka ja meritoituminen** (2 cr) 06.04. - 18.05.2020

920011J **Communicating Science to the Media** (1 cr) 31.03.-07.04.2020

920013J **Utilization of Patent databases in Research** (0.5 cr) 06.-07.05.2020

920016J **IP Rights and Research** (0.5 op) 24.-25.03.2020

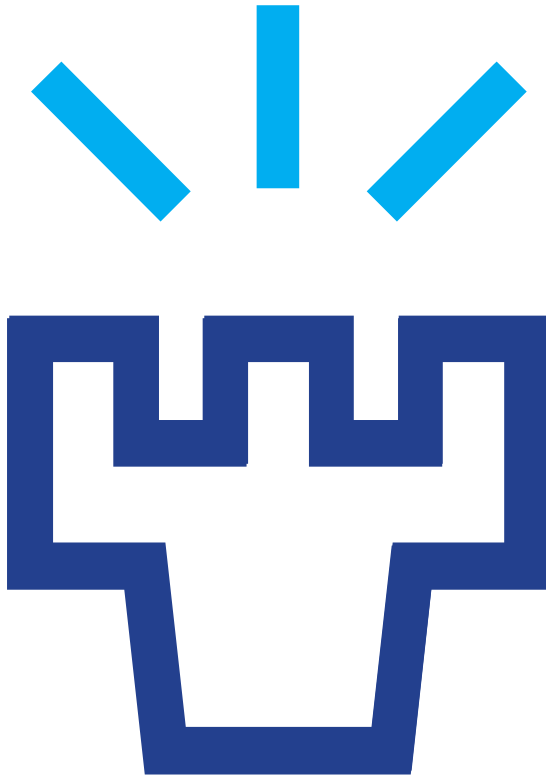
... and many others in fall.

Please find more information from:

<http://www oulu.fi/uniogs/courses>

PhD mailing list

WebOodi



**OULUN
YLIOPISTO**