

HELSINGIN YLIOPISTO
HELSINGFORS UNIVERSITET
UNIVERSITY OF HELSINKI

PAP301 Seminars in Particle Physics and Astrophysical Sciences

5 ECTS course 2024-2025

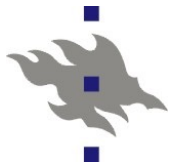
https://www.mv.helsinki.fi/home/osterber/Paras_seminars/

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Goals & outcomes of the course

- Develop your **oral & writing skills** in scientific contexts of your own specialisation ("presentation skills") in English
 - Develop your **peer-reviewing skills** ("feedback")
 - Develop your ability to **promote your expertise and market yourself** ("career development")
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- **Plan your MSc thesis** & start writing it (if not already on-going, autumn 2024)
 - **Make a MSc thesis disposition** (autumn 2024)
 - **Prepare & give oral presentation** related to MSc thesis subject (spring 2025, first oral presentations in December 2024)
 - **Give feedback** to your fellow students on their oral presentation (spring 2025)
 - **Career related lectures & task(s)** (spring 2025)

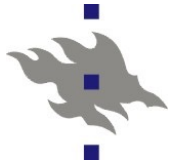


Course completion requirements

- ✓ Make MSc thesis supervision agreement (if not yet done, autumn 2024)
- ✓ Complete thesis disposition tasks (autumn 2024)
- ✓ Make career development related tasks (spring 2025)
- ✓ Make one page abstract of seminar topic (autumn 2024- spring 2025)
- ✓ Give a 25 minute seminar (autumn 2024 - spring 2025)
- ✓ Act as opponent to seminar at least twice (autumn 2024 - spring 2025)
- ✓ Minimum 80 % attendance of seminars and career lectures (autumn 2024 - spring 2025)

Those who haven't yet returned their thesis disposition tasks and/or MSc thesis supervision agreements should do it latest spring 2025.

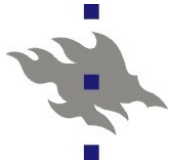
Feedback on thesis disposition tasks will be given before Christmas.



Course assessment

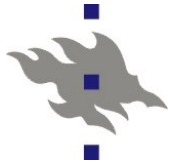
Based only on seminar presentation, grading 0-5, same assessment criteria as FYS4006 Mother tongue (Bachelor's seminars)

- ✓ 25 % timing (providing abstract 1 week in advance & slides 4 h before presentation and keeping the 25 min presentation time)
- ✓ 25 % abstract (title, clarity & readability, language and correspondence to presentation)
- ✓ 25 % presentation material (general impression, amount of slides, text & bullets and figures, formulas & tables)
- ✓ 25 % presentation itself (look & talk towards audience, audible voice, suitable pace and answers to questions)



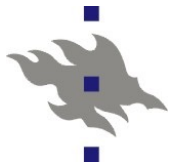
Seminar presentations

- ✓ **Seminar abstract** (in English & pdf format) **at least one week in advance** (sent by email to lecturer) \Rightarrow put on course home page for other students to be able prepare themselves
- ✓ **Seminar transparencies** (in English) **at least 4 h in advance** (sent by email to lecturer) (latest 10.15 same Wed as presentation)
- ✓ **Give a 25 minute seminar** (in English) preferably about Master thesis or at least about Master thesis subject
- ✓ Science discussion (questions & answers)
- ✓ Feedback on presentation by the two opponents



Abstract of seminar

- ✓ Maximum one page
- ✓ Content:
 - i) the research area and topic, its purpose and background
 - ii) the methods and data used plus results
 - iii) possible conclusions based on the results
- ✓ Try if by any means possible to write the abstract as an (long) scientific abstract
- ✓ To be sent by email to the lecturer in pdf format (who makes it available to the others students) no later than one week before the seminar (email reminder sent).



The tasks of the opponents

- ✓ Gets acquainted with the abstract and the research field
- ✓ Asks (at least) 1-2 relevant questions about the seminar (preferably thought through before the seminar)
- ✓ Gives feedback to the seminar holder on following topics:
 - abstract: title, clarity & readability, language, correspondance with presentation
 - transparencies: logical flow, clarity & readability, amount of material, amount of text & bullets, figures & formulas
 - performance: interaction with audience, enthusiasm, voice, speed, answers to questions

NB! The opponents should behave correctly, be encouraging and give constructive feedback.



Seminar schedule

Wednesdays in Chemicum A121 (max 2 presentations per occasion)

- 22.1.2025 14:15 & 15.15 Elo Tuominen (Laitila/Heshmati) & Jarno Vierros (Heshmati/Suomalainen)
- 29.1.2025 14:15 & 15.15 Susan Rissanen (Tuominen/Sihvonen)
- 5.2.2025 14:15 & 15.15 Inkeri Syrjärinne (Rintamäki/Ojuva) & Rilla Laitila (Ojuva/Rintamäki)
- 26.2.2025 14:15 & 15.15 Kian Heshmati (Sihvonen/Tuominen)
- 12.3.2025 14:15 & 15.15 Emilia Rintamäki (Heiskanen/Kolehmainen) & Mirja Ojuva (Kolehmainen/Heiskanen)
- 19.3.2025 14:15 & 15.15 Noora Eriksson (Kuparinen/ Kizilgedik) & Roosa Heiskanen (Kizilgedik/Kuparinen)
- 2.4.2025 14:15 & 15.15 Meri Kolehmainen (Annala/J Rissanen) & Lasse Sihvonen (J. Rissanen/Annala)
- 9.4.2025 14:15 & 15.15 Jouni Rissanen (Vierros/Jokiniemi) & Niko Annala (Eriksson/Vierros)
- 16.4.2025 14:15 & 15.15 Emma Kuparinen (S Rissanen/Syrjärinne) & Selda Kizilgedik (Syrjärinne/S Rissanen)