

Update on the Study Programme group's activities

22.11.2021.

NATIONAL
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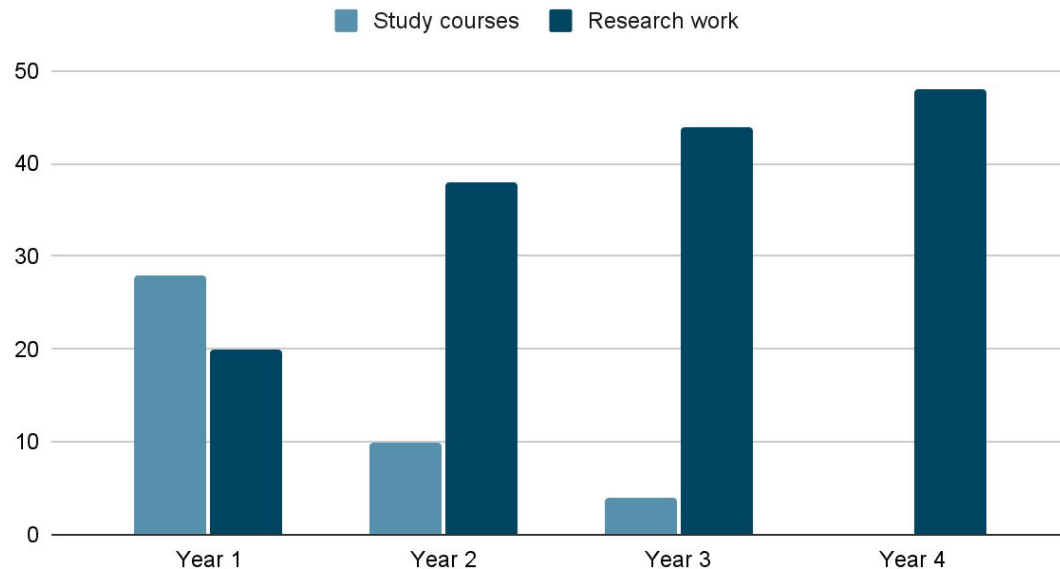
- The joint RTU-UL doctoral study programme was licensed (19th of October);
- The study programme council was officially formed:
 - 2 representatives from RTU;
 - 2 representatives from UL;
 - 2 representatives from CBG;
 - 2 representatives from CERN;
- First cohort of students was *selected* by the Council on the 27th of October and started their degrees on 1st of November;

- This doctoral programme consists of a total of **192 credits**, **42** of which must be covered by study courses and training schools:
 - **15** credits from obligatory courses;
 - **21** credits from limited choice courses;
 - **6** credits from free choice courses and training schools;
- The aim is to have all obligatory course credits and most of the limited choice credits fulfilled within the first year of study;
- Conceptual research/study balance is shown on the next slide.

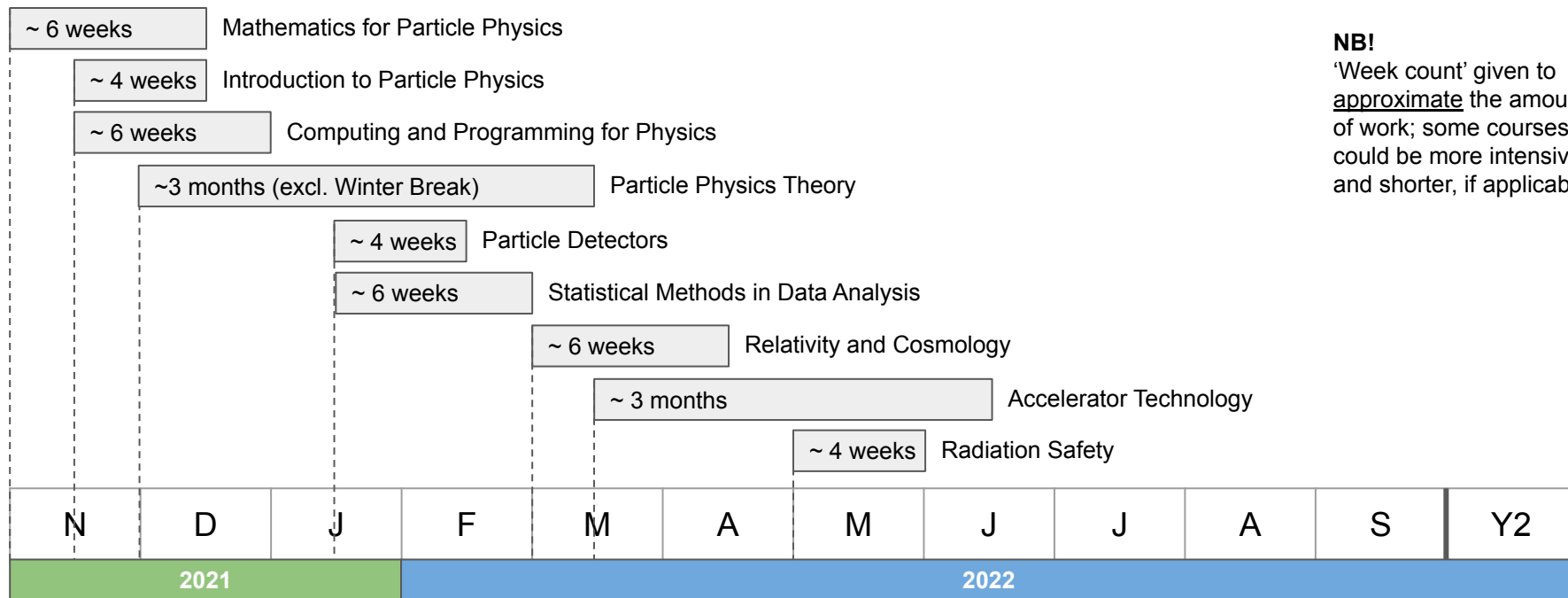
| Course | Credits | Status | Responsible |
|---------------------------------|---------|--|-----------------------|
| Particle Physics Theory; | 8 CP; | Obligatory for HEP, limited choice for AT; | Yuri Dokshitzer; |
| Accelerator Technologies; | 8 CP; | Obligatory for AT, limited choice for HEP; | Toms Torims; |
| Particle Detectors; | 2 CP; | Obligatory for all students; | Kārlis Dreimanis; |
| Comp. and Prog. for Physics; | 2 CP; | Obligatory for all students; | Kārlis Dreimanis; |
| Stat. Methods in Data Analysis; | 2 CP; | Obligatory for all students; | Mārcis Auziņš; |
| Radiation Safety; | 1 CP; | Obligatory for all students; | Elīna Pajuste; |
| Intro. to Particle Physics; | 2 CP; | Limited choice; | Kārlis Dreimanis; |
| Math. for Particle Physics; | 4 CP; | Limited choice; | Stefan Groote (EE); |
| Relativity and Cosmology; | 4 CP; | Limited choice; | Thomas Gajdosik (LT); |
| Particles for Medical Physics; | 4 CP; | Limited choice; | Jurijs Dehtjars; |
| Data Science for Physics; | 4 CP; | Limited choice; | Kārlis Dreimanis; |
| Introduction to CAD; | 3 CP; | Limited choice; | Andris Ratkus; |
| Lab. Exercises in Electronics*; | 3 CP; | Limited choice; | Māris Tērauds; |

* - existing course at RTU;

Credit points (48 per year)



- The above credit point split is approximate and the mandate to approve reasonable deviations should be given to the study programme directors.



NB!

'Week count' given to approximate the amount of work; some courses could be more intensive and shorter, if applicable;

- Proposed approximate schedule for study courses in this academic year;
- All obligatory courses covered in Y1 (as planned);
- Can result in up to 33 credits for those, who select all of the courses above;
- Schedule shifted by an entire month from the ideal (usual start in October);

- We have managed to achieve the goal of recruiting 6 students in the first year!
 - Antra Gaile [RTU, HEP, CMS];
 - Normunds Strautnieks [UL, HEP, CMS];
 - Valts Krūmiņš [UL, HEP, AEGIS];
 - Kristaps Paļskis [RTU, AT, NIMMS];
 - Lazar Nikitovic [RTU, AT, NIMMS];
 - Luca Piantentini [RTU, AT, HITRIplus];
- The aim is to have all obligatory course credits and most of the limited choice credits fulfilled within the first year of study;

Shorter term goals:

- Have a successful (if stressful) first year!
- Prepare for an intake of the second cohort with the full set of courses available;
- Prepare an ERASMUS Mundus Design Measures project proposal for a Baltics-wide equivalent master's programme for May 2022 (an SP group meeting planned for Jan.);
- Prepare the master's programme for licensing - May 2022 to May 2023;
- License the program, rejig the courses between the master's and the doctoral programme and intake the first master's students in autumn 2023(?);

Longer term goal:

- Utilise lessons learned to expand the PhD programme to a Baltic level (by 2025?).