



PSRS Quality Assurance Board #3 Meeting September 2021

QAB member presents at the meeting:

- Fabrizio Giorgis (POLITO), Experimental Physics Professor (expertise in Photonics and Plasmonics). Chair of the Quality Assurance Board.
- Pasi Vahimaa (University of Eastern Finland) Theoretical optics, Learning outcomes coordinator
- Thierry Fournel (UJM), Professor of Computer Vision (expertise in Optics)
- Regis Fournier (UPEC) Signal processing biometrics lecturer
- Marwan Abdou Ahmed (Université de Stuttgart) Laser Optic departments head. External expert of the Quality Assurance Board.
- Joseph Leibenguth (3R-Innov) Associated industrial partner representative.
- Gustavo Insaurralde (UJM) Head of the International Cooperation Department

Topics of the meeting:

1. Results on questionnaire defined by QAB from PSRS students
2. Current feedback from the representatives of the
3. Conclusive discussion on the Key Performance Indicators (reviewed after the last QAB meeting) and validation of the list
4. Discussion on the improved PSRS website
5. Review of the selection process concerning Cohort 2021-2023

1. Results on questionnaire defined by QAB from PSRS students

35 students participated in the questionnaires. The feedback quite positive overall.

The powerpoint presentation also contains graphs defining each of the mark average of each courses. Any of these modules were passed with marks below 3. As a matter of fact, most courses have 4 or 5 as marking points.

On this regard, students made some comments on the modules and courses themselves:

- a. Provide material and ask students to learn themselves does not work without a proper supervising.

- b. Links between the courses should be clear, including the modules attached to photonics laboratories.
- c. Students propose to encourage more time slots in photonics laboratories
- d. Comments on the Curriculum: non-linear optics modules were offered before light and matter. Students wish to have more computer Sciences courses
- e. It should be encouraged the feedback on elective courses and academic tutors.
- f. Including courses outside the main scope of PSRS can be helpful for their future career
- g. Avoid overlapping in modules.

A positive point was attached to their physical stay at UEF. Students highlight that in UEF there was less stress than in the previous campuses because students had more free time.

Recommendation:

- Some training courses for educators should be planned. For example, training modules on how to organize and schedule a course.
- Have record of lessons for “lockdown students”
- Not to assess all courses, but some of them. This is also true for student participation in questionnaires. It was agreed that it should be recommendable to not to oblige to give feedback on the modules, but to make them want to give it.

2. Current feedback from students on the pedagogical innovation:

Semester UEF

- All the modules were online. Some courses were praised, especially smart lab and the green room. Students strongly recommend to include more labs to the degree.
- Summer internships: getting experience is considered extremely positive for students’ career, but some of them feel that short time in these practices is not enough.
- Informatics courses in UEF are very demanding.
- Extracurricular activities need to be included in the program.
- None welcoming week in Finland.

3. Conclusive discussion on the Key Performance Indicators

Sub-indicator discussed in the meeting:

How to calculate the productivity of the researcher? The proposed solution is to define “productivity” using H index as an indicator.

How to calculate the productivity of the institution? Publications: ratio per teachers, or lab scales. Rather easy to collect. Agreement on Index of scholars (H INDEX) per partner and as an average. Ratio collaborative activities per partner.

4. Discussions on the improved PSRS website

The programme is complete and correct.