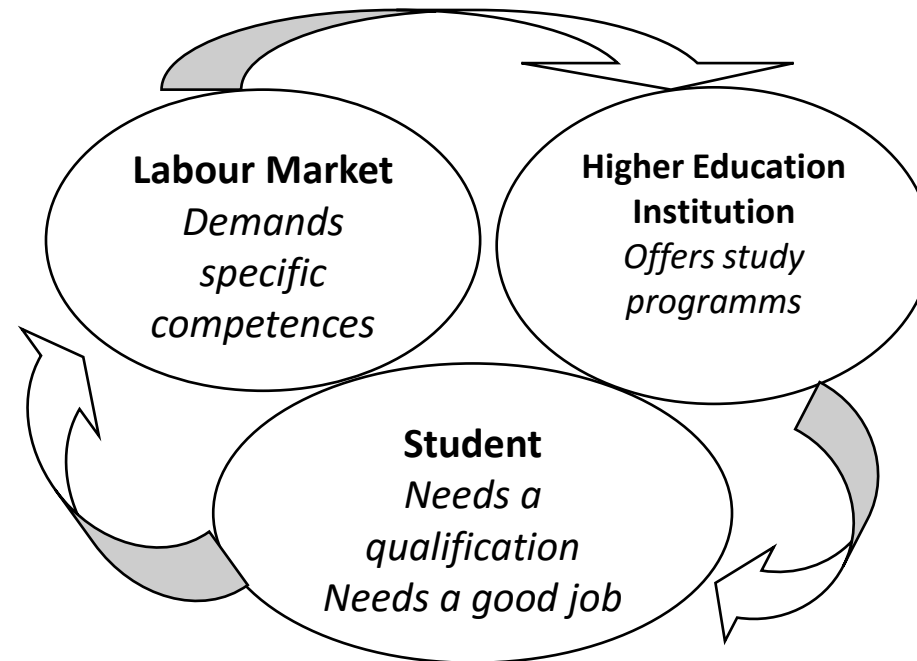


Quality assurance mechanisms and procedures at the department/study program level

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The context



Shared responsibility

- ▶ Teaching process
- ▶ Research
- ▶ Students
- ▶ Teaching staff
- ▶ Outfit
- ▶ Institutional capacity
- ▶ Alumni

The context

- ▶ Quality Assurance Requirements
 - ▶ Quality of teaching
 - ▶ Quality of research
 - ▶ Quality of curricula
 - ▶ Quality of services and infrastructure
- ▶ European and National Qualification Frameworks
 - ▶ Expected learning outcomes (competences)

Teaching process

- ▶ Curricula
 - ▶ Bachelor in engineering - 240 ECTS
 - ▶ Master in engineering - 120 ECTS
 - ▶ [Anexa III.1 Plan de invatamant CALC 2014-2015.xlsx](#)
- ▶ Diploma - diploma supliment
 - ▶ Learning outcomes - potential jobs
 - ▶ [Anexa IV.2 - Supliment la diploma CS.doc](#)
- ▶ Schedule
- ▶ Internships
- ▶ Admission assessment

Teaching staff

- ▶ Hierarchy
- ▶ Carrier strategy
 - ▶ is the job attractive?
- ▶ LLL
 - ▶ Didactical training

Teaching staff

- ▶ Teaching positions require PhD title:
 - ▶ Assistant
 - ▶ Assistant professor
 - ▶ Associate professor
 - ▶ Professor

position	teaching hours	research hours	other activities	total
Assistant	336 - 448	At least 344	1040	1720
Assistant professor	308 - 448	At least 344	1068	1720
Associate professor	252	At least 344	1124	1720
professor	224	At least 344	1152	1720

Research

- ▶ Research centers
 - ▶ National research programs
 - ▶ Industrial research
 - ▶ Equipment, outfit
- ▶ Students' research
- ▶ International research co-operation

Organization of research at UPB

- ▶ National research programmes
- ▶ European/regional research programmes
- ▶ Industry projects
- ▶ University research projects (!?)
 - ▶ competition based participation

Evaluation of research results

- ▶ Domain specific criteria
 - ▶ Publications
 - ▶ Conferences
 - ▶ Books
 - ▶ Patents
 - ▶ Projects
 - ▶ Prizes
 - ▶ ...

Evaluation of research results

- ▶ On individual level
 - ▶ for promotion - precise criteria for each teaching level
 - ▶ for establishing salary level
 - ▶ [FISE_AUTOEVALUARE nume prenume.xls](#)
- ▶ On institutional level
 - ▶ For establishing a ranking => budget allocation
 - ▶ [Metodologie CNFIS-FB_FS-2015-IC transp.pdf](#)

Objectives of staff mobility for teaching and research

- ▶ To encourage higher education institutions to broaden and enrich the range and content of courses they offer;
- ▶ To allow students who do not have the possibility to participate in a mobility scheme, to benefit from the knowledge and expertise of academic staff from higher education institutions and from invited staff of enterprises in other European countries;
- ▶ To promote exchange of expertise and experience on pedagogical methods;
- ▶ To create links between higher education institutions and with enterprises;
- ▶ To motivate students and staff to become mobile and to assist them in preparing a mobility period.

Outfit

- ▶ Classrooms
 - ▶ Lecture hall
 - ▶ Laboratory
- ▶ Teaching materials
- ▶ Library - incl. virtual
- ▶ Research facilities - PRECIS
- ▶ Financial resources for sustaining the entire activity

Institutional capacity

- ▶ Strategic plan
- ▶ Operational plan
- ▶ Methodologies
- ▶ QA office

Alumni

- ▶ Alumni database
- ▶ Common activities
- ▶ Partnerships in research
- ▶ Internships for students
- ▶ Feedback source for strategic and operational planning

Students

- ▶ To help students to adapt to the requirements of the EU-wide labour market;
- ▶ To enable students to develop specific skills including language skills and to improve understanding of the economic and social culture of the country concerned in the context of acquiring work experience;
- ▶ To promote cooperation between higher education institutions and enterprises;
- ▶ To contribute to the development of a pool of well-qualified, open-minded and internationally experienced young people as future professionals.

Involvement of students

- ▶ At bachelor level - engineer title
- ▶ Competence based education
 - ▶ courses / practical activities / seminars
 - ▶ internships
 - ▶ diploma project
 - ▶ students' scientific session
 - ▶ applied research

Involvement of students

- ▶ At master level - “research master”
 - ▶ applied research
 - ▶ internships
 - ▶ students’ scientific session
 - ▶ part of the curricula
 - ▶ 12 hours/week - sem 1-3
 - ▶ 30 hours/week - sem 4
 - ▶ individual activity
 - ▶ dissertation project

Involvement of students

- ▶ At PhD level
 - ▶ theoretical and applied research
 - ▶ teaching activities
 - ▶ internships
 - ▶ participation in research projects
 - ▶ participation at scientific events (conferences, publications)
 - ▶ public defense of the PhD theses
 - ▶ commission 3 external + 2 internal professors

Students mobility

The major problem with student's mobility is the recognition of their qualifications across borders.

How can Quality Assurance influence this?

- Aligning the own QA procedures to the European requirements
- Increased transparency and visibility

Students mobility

Student mobility refers to a study period taken mainly abroad and returning home afterwards. There are four main aspects on this issue:

- **Horizontal Mobility**

Horizontal mobility means that students spend a period of their studies in another country.

- **Vertical Mobility**

Vertical mobility means that students take a full degree abroad.

Students mobility

- EU Programs

During recent years, the European Commission has initiated various student, post graduate and teacher mobility schemes. These are open not only to EU citizens, but also to citizens of EU candidate countries and countries of the European Economic Area.

- Brain Mobility

The process whereby a country loses its most talented and educated people to other countries because there is a lack of opportunities in their own.

QA and mobility

Other problems related to mobility

- ▶ Organizational problems
 - ▶ Insecured number of students
 - ▶ Master studies
- ▶ Financial problems
 - ▶ Impossibility to have the desired teaching staff

QA can offer good solutions by

- Aligning the own QA procedures to the European requirements
- Increased transparency and visibility