

SEMINAR OUTLINE

Employability and Mobility

World Class Education for Europe

QA of engineering programme accreditation in UK



EMPLOYABILITY THEOREM

Career development is the students' investment of their time in Higher Education and this requires time and money as students' invest financially in their Career Development.

So:

Career Development = Time x Money

and as we all know

Time = Money.

Therefore

Career Development = Money x Money





EU DIRECTIVE 2005/36 CHAPTER 1

Applies to regulated professions which require formal qualifications in the host State. Principle of mutual recognition.

 The host State must accept qualifications of a similar level obtained in other Member States, subject to 'compensatory measures'(adaption period or aptitude test).

EU DIRECTIVE 2005/36 CHAPTER 2

 System of automatic recognition of qualifications attested by professional experience in certain industrial, craft and commercial activities

 The host State must recognise professional experience in another Member State as sufficient.

EU DIRECTIVE 2005/36 CHAPTER 3

System of automatic recognition of qualifications for specified professions

 The approach is to harmonise minimum training standards in all Member States for the profession in question.

SOCIAL UNDERSTANDING OF EMPLOYABILITY

- The Dearing Report (Dearing, 1997) chose to focus attention in recommending the key skills of communication, numeracy, the use of information technology and learning how to learn.
- (Yorke, 2006) develops the idea that employability is not the same as employment, (it involves the capacity of the graduate to function in a job).

















- Protective layer for those wishing to recruit high calibre engineers based on their engineering practice and personal competencies.
- Describe the value of professional membership, career development and lifelong learning with clear specifications of the levels for attainment of the different professional engineering categories. (e.g. Chartered)
- European dimension in quality assurance has not been fully adopted to the extent where social benefit can be easily identified.

SUSTAINABLE ECONOMIC COMPETITIVENESS

- Integrates the HEI in the regional, national or international economy.
- Source of Intellectual property
- Enterprise and Consultancy activities
- Social Responsibility



QUALITY ASSURANCE OF ENGINEERING PROGRAMME ACCREDITATION

Eur Ing João Paulo Ponciano

1st ENAEE Conference Porto Portugal

12-13 Nov. 2012



UKPSB QA VISIT EXAMPLE

INSTITUTION OF ENGINEERING AND TECHNOLOGY

- Focus on programmes of study
- Duration: 2 days excluding prior submission of documents
- Typically 4 accreditors
- Mix of Education and Industry backgrounds
- The accreditation process looks at the programmes aims and objectives and whether these follow a SMART (specific, measurable, attainable, relevant and time bound) rationale.

UKPSB QA VISIT EXAMPLE INSTITUTION OF ENGINEERING AND TECHNOLOGY

- The level of innovation of the programmes is also considered under this heading. (both curriculum and delivery methods)
- Any outcomes from previous accreditation visits are checked with particular emphasis with the full compliance with previous accreditation action plans imposed on the institution.
- Examination papers, continuous assessment practices, the balance of assessment and laboratory work are looked to ensure appropriateness of the work and internal and external scrutiny.

UKPSB QA VISIT EXAMPLE INSTITUTION OF ENGINEERING AND TECHNOLOGY The level and balance of group work, industrial influence,

- sponsorship and training on the programmes.
- Student admission, progression and awards standards.
- Student individual engineering project.
- The resources and facilities for the teaching of each engineering programme
- The visit is fully reported and action plans are drawn after the visit.

CONCLUSION

- Academic accreditation is a step further in the promotion of mobility.
- The harmonisation of accreditation criteria reassures the public, business and industries.
- Education quality labels(e.g. EUR-ACE) develops Quality Assurance (Development and Improvement) Schemes



