Guidelines for establishing a qualification profile for the *Master's* degree in the IDEA League

By IDEA quality management group

The IDEA universities educate in a high-level research environment. Therefore, teaching is carried out by staff who are research active and who transmit advanced knowledge in their field. This ensures that the graduates will have experience of being involved in real research problems and methods.

This results in attributes which make the students/graduates able to engage in research, development and management, and make them familiar with the latest developments in their field. The IDEA League aims to produce graduates (master's level profile) with the following general skills and attributes.

A. General skills and attributes - for master's degree

Graduates will

- 1. be capable of being analytical in their work on the basis of a broad and deep scientific knowledge.
- 2. be able to synthesise knowledge and to solve problems in a creative way dealing with complex issues.
- 3. have the qualities needed for employment in circumstances requiring sound judgement, personal responsibility and initiative, in complex and unpredictable professional environments.
- 4. be able to assume leading roles, including management roles, in companies and research organisations, and be able to contribute to innovation.
- 5. be able to work in an international environment, helped by their social and cultural sensitivity and language and communication abilities, partly acquired through experience of team work and any study periods abroad.
- 6. have awareness of possible ethical, social, environmental, aesthetic and economic implications of their work.
- 7. have an awareness of their need to update their knowledge and skills.

B. Domain and subject-specific skills and competences include

- 1. required core knowledge and understanding in their field of study,
- 2. knowledge of methods and technical practice in their field of study,
- 3. training in theoretical knowledge and methods including modelling,
- 4. advanced knowledge of some areas in their field of study,
- 5. specific attitude and way of thinking expected in a particular subject,
- 6. awareness of connections with other disciplines and ability to engage in interdisciplinary work.

IDEA quality management group: