DECISION OF THE SPECIFIC COMMISSION FOR ENGINEERING AND ARCHITECTURE OF THE CATALAN UNIVERSITY QUALITY ASSURANCE AGENCY ON THE STUDY PROGRAMME

Study programme	Master in Innovative Manufacturing Systems (MIMS)
Jointly offered by	Universitat de Girona (Spain)
	Politecnico di Torino (Italy)
	University of Gävle (Sweden)
Workload	120 ECTS

Based on the report of the expert panel and the discussions of the Specific Commission for Engineering and Architecture in its meeting on 28th October 2023, decides:

1. The study programme "Master in Innovative Manufacturing Systems (MIMS)" offered by Universitat de Girona (Spain) in cooperation with Politecnico di Torino (Italy) and University of Gävle (Sweden) is accredited according to the criteria and procedures defined in the European Approach for Quality Assurance of Joint Programmes.

The study programme **complies** with the requirements defined by the European Approach for Quality Assurance of Joint Programmes and the European Qualifications Framework (EQF) in their current version.

In the future development of the programme, the consortium should consider the requirements described below which should be monitored within three years of the programme launch.

1. Joint design and delivery. To design and implement an integrated IQAS and undertake at least one review of its operation.

2. Cooperation Agreement. To include criteria and processes at IQAS that allow a homogeneous action in order to facilitate and speed up student mobility.

The following **recommendations** are given for further improvement of the programme:

1. Joint design and delivery. To develop the letter of good will establishing procedures for coordination, monitoring and evaluation of the collaborations of the centres in which the academic placements and final master's theses are carried out.

2. Joint design and delivery .To formalise the spaces and procedures to promote exchange of experience.

3. Cooperation Agreement. To establish mobility actions for teaching staff to promote the exchange of knowledge and information

4. Cooperation Agreement. To harmonize or agree on the basic principles of examination regulations.

5. Level. Define and deploy at Materia level innovation and creativity LO.

6. Disciplinary field. To deploy objectives and learning outcomes being more specific about knowledge, skills and competences.

7. Achievement. To describe how the innovation journey is deployed through all modules.

8. Achievement. To stablish communication channels with universities and partner institutions spread recent developments.

9. *Achievement. To deploy learning activities related to numerical modelling and simulation activities.*

10. Curriculum. Include values associated to cultural and social inclusion, learning diversity at the study programme. It may be interesting to include elective subjects.

11. Admission. There is a new evidence with the level of English of teachers. Nevertheless, it is not clear the requirements to determine if this English level is enough.

12. Admission. To establish and to provide support for students to reinforce their English language skills.

13. Admission. To revise the selection criteria and documentation required.

14. Admission. To establish mechanisms to attract students from regions different from Italy, Sweden and Spain, in order to increase innovation and creativity.

15. Recognition. To define the limits of professional experience or prior learning recognition

16. Learning and teaching. To define and stablish the approach (learning activities, contents, assessment) to creativity and innovation.

17. Learning and teaching. To specify how computational skills are going to be trained and assess.

18. Learning and teaching. To include more information on how the diversity of students and their needs would be respected and attended.

19. Assessment of students. To follow up the Master Thesis rubrics implementation.

20. Assessment of students. To stablish English Language support services to students.

21. Assessment of students. To implement continuous assessment methods.

22. Student Support. To establish and follow up the procedures and information to avoid administrative burdens, accommodation and mobility issues.
23. Student Support. To follow up the implantation of a technician interlocutor with students in each university.
24. Student Support. To strength the welcoming procedures and guides for welcoming, to create channels of communication among students.
25. Student Support. To start Master Thesis topics be considered by students from the very beginning of the first course and inform them about the role played by institutions that join the Master.
26. Student Support. To stablish communications channels and procedures with universities and the 9 institutions to minimize mobility issues and assure the same assessment criteria.
27. Student Support. To establish channels of communication between the different teaching support services of the different universities and institutions involved.
28. Staff. Need to design and establish criteria to address and assure gender balance.
29. Staff. Need to establish criteria of level of English.
30. Transparency and documentation. To follow up action plan of public information and website design.

31. Quality Assurance. Include procedures that take into account coordination among support services from each university.

The chair of the Specific commission for Engineering and Architecture

Ángel Ortiz Bas