



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

TEACHING REGULATIONS OF THE MASTER DEGREE

LM-54 CHEMICAL INNOVATION AND REGULATION

Bologna Campus

INDEX

ART. 1 ADMISSION REQUIREMENTS

ART. 2 INDIVIDUAL STUDY PLANS

ART. 3 CHARACTERISTICS OF THE DIFFERENT TEACHING ACTIVITIES

ART. 4 MANDATORY ATTENDANCE AND RULES FOR EXAMS SEQUENCING

ART. 5 ASSESSMENT OF LEARNING ACTIVITIES

ART. 6 ELECTIVE LEARNING ACTIVITIES

ART. 7 CRITERIA FOR RECOGNITION OF CREDITS PREVIOUSLY ACHIEVED IN THE SAME CLASS

ART. 8 CRITERIA FOR RECOGNITION OF CREDITS PREVIOUSLY ACHIEVED IN DEGREE PROGRAMMES OF DIFFERENT CLASSES, DISTANCE LEARNING UNIVERSITIES, OR INTERNATIONAL DEGREE PROGRAMMES

ART. 9 CRITERIA FOR RECOGNITION OF SKILLS AND KNOWLEDGE ACHIEVED OUTSIDE THE UNIVERSITY SYSTEM

ART. 10 INTERNSHIP

ART. 11 RULES FOR THE FINAL EXAMINATION

Master Degree Course in “Chemical Innovation and Regulation”

UniBo is the Alma Mater Studiorum Università di Bologna

ART. 1 ADMISSION REQUIREMENTS

• Entry requirements

In order to be admitted to the Master Degree program in “Chemical Innovation and Regulation” students must possess a first cycle degree or other suitable qualification obtained abroad.

Moreover, students must possess the following curricular requirements:

A first cycle degree in one of the following Classes:

- ☐ ex D.M. 270:
 - L-13 Biological sciences
 - L-27 Chemical sciences and technology
 - L-29 Pharmaceutical sciences and technology
 - L-32 Environmental and natural sciences and technology
 - L-7 Civil and environmental engineering
 - L-9 Industrial engineering

- ☐ ex. D.M. 509/99:
 - 8 Civil and environmental engineering
 - 9 Industrial engineering
 - 12 Biological sciences
 - 21 Chemical sciences and technology
 - 27 Environmental and natural sciences and technology
 - 24 Pharmaceutical sciences and technology

- ☐ Four- or five-years degree valid before D.M. 509/99
 - Chemistry
 - Industrial Chemistry
 - Chemical engineering
 - Pharmacy
 - Pharmaceutical sciences and technology
 - Biology
 - Environmental sciences

Or any other Degree obtained abroad in the fields of Chemistry, Industrial Chemistry, Chemical engineering, Pharmaceutical sciences, Biological sciences, Environmental sciences, considered valid by the Degree Programme Board.

Moreover, students must have achieved at least 60 credits in basic scientific disciplines, of which at least 25 in the following disciplines: CHIM/01-CHIM/12; BIO/10-BIO/11; ING-IND/22-ING-IND/27 or in equivalent disciplines in case of Degrees obtained abroad.

Admission to the master degree programme is also subject to the assessment of students’ personal knowledge which will take place according to the procedure defined in the paragraph “assessment of personal knowledge”.

English language knowledge at B2 level (European classification) is required for the admission to the Degree programme.

- **Assessment of personal knowledge**

Students' personal knowledge will be assessed as it follows.

An Admission Board composed by teachers from the three Partner Universities and approved by the Degree Programme Board will be in charge of the assessment.

The assessment rules will be published on UniBo web portal and will consist in the evaluation of the academic curriculum of candidates, their in-depth knowledge of the English language, their CV and personal motivation and the analysis of possible reference letters provided by experts in the fields object of the Degree programme.

All the information required for the assessment must be provided by candidates during the submission of their application, using the web tool available on the Degree Programme official web site: www.emmcchir.net

ART. 2 INDIVIDUAL STUDY PLANS

Students will be allowed to present individual study plans according to the methods, deadlines and criteria published on Unibo web site. The individual study plans, approved by the Degree Programme Board, must be compliant with the teaching regulations and the guidelines defined by the competent bodies.

If students choose teaching activities that are activated in degree programmes with restricted access, the choice must also be authorized by the concerned Degree programme boards, based on criteria previously defined.

ART. 3 CHARACTERISTICS OF THE DIFFERENT TEACHING ACTIVITIES

Detailed information for each teaching activity is described in the attached Teaching Plan, including the partition of the overall hour amount into lectures, practical exercises and internship as well as the type of teaching methods.

Further information will be made available every year on UniBo web portal.

ART. 4 MANDATORY ATTENDANCE AND RULES FOR EXAMS SEQUENCING

The rules of compulsory attendance to learning activities are described in the annexed Teaching Plan, as well as the required sequencing of some exams.

The methods of verification of compulsory attendance will be defined annually by the Degree Programme Board and will be notified to students before the beginning of lectures on Unibo web site.

ART. 5 ASSESSMENT OF LEARNING ACTIVITIES

According to the attached Teaching Plan learning activities will be graded with a numeric mark or through a pass/non pass grade.

Assessment methods of learning activities shall be defined annually by the Degree Programme Board, during the definition of the regular teaching plan and published on UniBo web Portal.

ART. 6 ELECTIVE LEARNING ACTIVITIES

The Degree Programme Board considers all the learning activities defined by the Degree Programme Board and listed in the annexed Teaching Plan consistent with the teaching project.

If a student intends to attend one learning activity that is not included in the previewed list, she/he must submit a request to the Degree Programme Board within the deadlines and conditions published on UniBo web portal.

The Board shall verify the coherence of the request with the student's own study plan.

ART. 7 CRITERIA FOR RECOGNITION OF CREDITS PREVIOUSLY ACHIEVED IN THE SAME CLASS

Credits will be recognized from at least a half up to the number of credits that have been achieved for the same scientific disciplinary field in the annexed Teaching Plan.

If the number of recognised credits is lower than the number of achieved credits, the Degree Programme Board may also determine the validity of the residual credits, upon the assessment of each specific case.

In case of Degree Programs taught in a language other than Italian, the recognition of credits will concern teaching activities held in that language.

ART. 8 CRITERIA FOR RECOGNITION OF CREDITS PREVIOUSLY ACHIEVED IN DEGREE PROGRAMMES OF DIFFERENT CLASSES, DISTANCE LEARNING UNIVERSITIES, OR INTERNATIONAL DEGREE PROGRAMMES

Credits will be recognized by the Degree Programme Board according to the following criteria:

- evaluation of the course contents;
- analysis of the coherence of the scientific disciplinary fields and the contents of the teaching activities in which the student achieved credits with the learning outcomes of the Degree Programme and the specific teaching activities to be recognised, with the general aim to promote students' mobility.

Credits will be recognized up to the number of credits that have been achieved for the same scientific disciplinary field in the annexed Teaching Plan.

If the number of recognised credits is lower than the number of achieved credits, the Degree Programme Board may also determine the validity of the residual credits, upon the assessment of each specific case.

In case of Degree Programs taught in a language other than Italian, the recognition of credits will concern teaching activities held in that language.

ART. 9 CRITERIA FOR RECOGNITION OF SKILLS AND KNOWLEDGE ACHIEVED OUTSIDE THE UNIVERSITY SYSTEM

Skills and knowledge achieved outside the university system may be recognized in the following cases:

- professional knowledge and skills officially certified by a competent authority;
- knowledge and skills obtained in higher education activities designed and realized in cooperation with a University.

The request for recognition shall be evaluated by the Degree Programme Board in compliance with the guidelines issued by the Academic Bodies and the Degree Programme Teaching Regulations.

Recognition is possible only if the activity is coherent with the learning outcomes of the Degree Programme and the specific learning activity that will be considered equivalent, in compliance with the content and duration of the performed activity.

ART. 10 INTERNSHIP

The master's degree programme includes a compulsory internship aimed at the preparation of the **final examination / thesis**, or linked to a learning project aiming to develop learning and education of the student. The internship must be carried out in compliance with Unibo Training Regulations or International Mobility Programmes for Traineeships rules.

ART. 11 RULES FOR THE FINAL EXAMINATION

- **Characteristics of the final examination**

The final assessment of the student's performance consists in the redaction and defence of an original thesis on a topic coherent with the learning outcomes of the Degree Programme, under supervision of a University teacher.

The final examination can also be linked to a learning project or an internship.

The dissertation must demonstrate the student's knowledge in the field of study, her/his judgement skills, competency for making decisions and good communication skills.

- **Final examination criteria**

The final examination consists in a presentation of the scientific results described in the student's Master thesis and by the following discussion in front of a Final Examination Board.

The Final Examination Board is composed by teachers from the partner University where the final examination is held (Research Host University), including at least one teacher from another Partner University, appointed by the Degree Programme Board. This composition must comply with the guidelines of the University where the final examination is performed.

The Faculty- Student Joint Committee gave a favorable opinion on the consistency of the credits assigned to each teaching activity and its learning outcomes pursuant to Art. 12, par. 3, of Ministerial Decree 270/04.