

UNIVERSITÀ DEL SALENTO
FACOLTÀ DI SCIENZE MATEMATICHE, FISICHE E NATURALI
MANIFESTO DEGLI STUDI A.A. 2012/2013

Corso di Laurea magistrale in
COASTAL AND MARINE
BIOLOGY AND ECOLOGY
(classe LM-6)

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Course of Coastal and Marine Biology and Ecology (Cl. LM-6)
- Laurea Magistrale in lingua inglese -

General Information

Coastal and Marine Biology and Ecology is a two-year II level course according to DM 270/04, which does not contemplate a fixed number of enrolled students. As specified within the related Schema of Teaching Organization, admission to this Course requires the possession of specific curricular requisites and it is subordinated to the overcoming of evaluation of the adequacy of their personal preparation according to the terms that will be established at the beginning of each academic year and will be made explicit in the admission notification.

To obtain the final qualification, a student must achieve a minimum of 120 CFU's (University Formative Credits) including 30 CFU's related to the final test (which concerns internships or work experience - previously cleared by the Educational Competent Body - at research institutions or universities, public or private companies, may be based on an activity report and does not provide an associated vote, but only an assessment of fairness expressed by the Educational Competent Body).

Educational activities

The Course of Coastal and Marine Biology and Ecology includes 5 *categories of learning activities* ("B": Core subjects in various disciplines of biology; "C": Training activities in disciplines related to biology and consistent with the educational objectives of the course, plus an integrated interdisciplinary training; "D": Activities chosen by the student; "E": Training activities aimed at preparing the final examination for the attainment of the qualification; "F": Training activities to facilitate the professional choices through direct knowledge of the business sector the diploma may give access to, including, in particular, internships, apprenticeships and guidance) listed in the attached diagram.

The "activities chosen by the student", at the second year, will coincide with the teaching / learning activities of any of the courses of study 'University provided consistent with the training of the student.

The student can choose (as already approved by the Academic Council) - the courses offered in academic year 2012/13 (as delivered in the second level courses), belonging to the Scientific-Disciplinary BIO/*, MED/*, CHIM/*, MAT/*, FIS/*, GEO/*, INF/* and ING-INF/.*

Each student can include in the study plan either the training activities proposed in this *Manifesto* (which he will select using a procedure available in the online Student Web Portal) or other courses offered in AY 2012/2013. In the latter case, the student must present their plan of study in paper form (available in the Section Section "*Training Offer / Activities in the student's choice*" of the Portal of the

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Faculty of Science MMFFNN) to be delivered to the Secretariat no later than December 20, 2012 and bring to the attention of the Academic Council for approval.

The course includes the following *prerequisites*:

There are no prerequisites. However, the temporal sequence of courses of instruction given in the Manifesto of the Course, is suggested to the student for the examinations.

Attendance to theoretical lectures is not compulsory, even though it is an essential condition for a fruitful insertion of the student in the didactic organization of the Corso di Laurea Magistrale. Students, furthermore, are bound to attend laboratory activities, stages, seminars and trainings for at least 2/3 of their duration.

The Course includes the following *attendance rules*:

Attendance to theoretical lectures is not compulsory, even though it is an essential condition for a fruitful participation of the student to the teaching organization of the Course. Students, furthermore, are required to attend laboratory activities, stages, seminars and trainings for at least 2/3 of their duration.

Class calendar

Teaching activities are organized in two semesters.

Classes are so scheduled:

- I semester: from October 8, 2012 to January 18, 2013
- II semester: from March 11, 2013 to June 7, 2013

Acquisition of CFU and Exams

All activities that allow credits acquisition carry an evaluation. Assessment procedures are made, as appropriate, by either written, or oral, or written and oral tests, or by other procedures suitable for particular types of activity.

The activities of type B, C and D are usually evaluated by a vote out of thirty possibly *cum laude*. For teaching activities involving laboratory exercises, accreditation may be made through evaluation of individual work on subjects related to ongoing exercise, the details of which are given by the instructor and approved by the body responsible for Competent Teaching.

The methods for the above tests are set by resolution of the Competent Body Learning (Educational Council) and illustrated by the instructor at the beginning of the course.

Exams are programmed as follows (during periods of suspension of classes):

- 2 sessions in February
- 1 session in March (by the 10th)
- 1 session in June (after the 7th)

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- 2 sessions in July
- 1 session in September
- There are also three extra sessions, only for the students outside the normal duration of the course during the months of November, January and April

Students enrolled in second year (ongoing) of the LM, will take advantage of any extra session (during the second half) agreed with the teachers

Students about to graduate may request an extraordinary call before the session of graduation, if no sessions are scheduled.

To be considered on track to graduate, students must:

- a. have applied for graduation according to the terms fixed by the “Segreteria Carriere Studenti”
- b. support a maximum of 14 credits (excluding credits for the Stage and to final thesis) in order to complete their educational path.

The acquisition of CFU of type f) concerning internships or work experience - previously cleared by the Educational Competent Body - at research institutions or universities, public or private companies, may be based on an activity report and does not provide an associated vote, but only an assessment of fairness expressed by the Educational Competent Body.

Sessions Degrees

Graduation sessions are planned in:

- July
- October
- December
- March and/or April

Knowledge required to access the course; Procedures for verifying the preparation of the student, and professional Career opportunities for graduates

See the Schema of Teaching Organization of the Course (Ref. http://www.scienzemfn.unisalento.it/regolamenti_didattici_cds)

Rules of admission to the Course

The terms will be established at the beginning of each academic year and will be made explicit in the admission notification (Ref. http://www.scienzemfn.unisalento.it/bandiammissione_cds)

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For more information see the Faculty Web Site on the URL
http://www.scienzemfn.unisalento.it/home_page

Università del Salento - Facoltà di Scienze MM.FF.NN.
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I anno (Rif. Regolamento Didattico A.A. 2012/2013)

Nome Insegnamento	CFU complessivi	CFU lezione	CFU esercitazione / laboratorio	Ore complessive attività frontale	SSD	TAF	Ambito	Periodo
Marine biology and ecology	6	6	---	48	BIO/05	Caratterizzante	Discipline del settore biodiversità e ambiente	II semestre
Biology and ecology of transitional waters	6	4	2	56	BIO/07	Caratterizzante	Discipline del settore biodiversità e ambiente	II semestre
Environmental microbiology	6	6	---	48	BIO/19	Caratterizzante	Discipline del settore biomolecolare	I semestre
Climatology of Marginal Seas and of the Coastal Zone	6	6	---	48	FIS/06	Affine/Integrativo	Attività formative affini o integrative	I semestre
Community Ecology	6	5	1	52	BIO/07	Caratterizzante	Discipline del settore biodiversità e ambiente	II semestre
Life cycles and development	10			88				
<i>Integrated course whose modules are:</i>								
Life cycles and ecology	5	4	1	44	BIO/05	Caratterizzante	Discipline del settore biodiversità e ambiente	I semestre
Development and evolution	5	4	1	44	BIO/05	Caratterizzante	Discipline del settore biodiversità e ambiente	I semestre
Pelagos Biology (Zooplankton and Necton)	10	8	2	88	BIO/05	Caratterizzante	Discipline del settore biodiversità e ambiente	II semestre
Biological indicators and biomonitoring	6	5	1	52	BIO/07	Caratterizzante	Discipline del settore biodiversità e ambiente	II semestre

II anno (Rif. Regolamento Didattico A.A. 2011/2012)

Nome Insegnamento	CFU complessivi	CFU lezione	CFU esercitazione / laboratorio	Ore complessive attività frontale	SSD	TAF	Ambito	Periodo
Environmental Physiology	6	5	1	52	BIO/09	Caratterizzante	Discipline del settore biodiversità e ambiente	I semestre
Systematic Botany and quantitative Plant Ecology	12			96				
<i>Integrated course whose modules are:</i>								
Systematic Botany	6	6	---	48	BIO/02	Caratterizzante	Discipline del settore biodiversità e ambiente	I semestre
Quantitative Plant Ecology	6	6	---	48	BIO/03	Caratterizzante	Discipline del settore biodiversità e ambiente	I semestre
Organic Chemistry of Coastal and Marine Ecosystem	6	6	---	48	CHIM/06	Affini/Integrative	Attività formative affini o integrative	I semestre

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Activities chosen by the students	9					A scelta dello studente	A scelta dello studente	I e II semestre
Ehical, Economic and Normative Aspects	1					Altro	Altre conoscenze utili per l'inserimento nel mondo del lavoro	II semestre
Final test	30					Lingua/prova finale	Per la prova finale	

Notes:

1 "CFU lezione" corresponds to nr. 8 hours of frontal lectures in the classroom

1 "CFU esercitazione/laboratorio" corresponds to nr. 12 hours of practical activities