



**UNIVERSITA' POLITECNICA DELLE MARCHE**

**Dipartimento di Scienze della Vita e dell'Ambiente**

***Call for applications for Post-Graduate Professional Course  
(Master universitario di primo livello) in “ORNAMENTAL  
AQUACULTURE”***

**A.Y. 2017/2018**

**Art. 1**  
**General provisions**

Università Politecnica delle Marche offers a Post-Graduate Professional Course (*Master universitario di primo livello*) in “ORNAMENTAL AQUACULTURE”, according to Ministerial Decree n. 509 of 3 November 1999 and subsequent Ministerial Decree n. 270 of 22 October 2004.

**Art. 2**  
**Learning objectives and professional opportunities**

The participants will become acquainted with all the main topics concerning marine ornamental aquaculture, such as fish, invertebrates, algae and aquatic plant biology. They will also learn the basic of design and management of ornamental aquaculture systems. Special attention will be given to sustainability and water recirculation systems.

The students that will successfully complete this course will obtain the expertise required to professionally operate in the field of ornamental aquaculture and work for ornamental breeders, exporters, importers, public aquaria, as well as performing field activities. They will therefore be able to fill in a gap in the ornamental aquaculture sector, presently covered by no other course, in Italy or worldwide

**Art. 2**  
**Credits and attendance**

In order to complete the course, the students will have to acquire 60 credits. These will be obtained through the following activities: attendance of 160 hours of lectures (10 modules - 20 credits), practical classes (5 credits), an internship in a company or research institution different from UNIVPM (18 credits), the production of a final thesis (17 credits).

Classes will be held in English. The instructors will be internationally renowned experts from UNIVPM, and from foreign universities and companies. All classes and practical activities will be conducted according to the most modern teaching techniques and will be highly interactive.

Students shall attend at least 75% of the lessons and training. The students will have to pass written exams to verify their proficiency in each subject. Classes will take place from January to May 2018. Internship will be conducted from May to September of the same year. The final thesis will be defended at the end of the course, which lasts 12 months.

Participants will have the opportunity to spend a period in Indonesia (Coral Eye Resort – Banka Island) for practical classes.

**SUBJECTS:**

<b>Lectures – 20 Credits (160 hours)</b>	
<b>Subjects</b>	<b>Credits</b>
Marine ornamentals trade	<b>2</b>
Water chemistry and Halchery design	<b>2,5</b>
Reproductive biology of fish, aquatic biotechnology, induced spawning and optimization of enviromental conditions	<b>2,5</b>
Brood sfock, larval and fish nutrition	<b>2</b>
Coral culture e nutrition	<b>2</b>
Production of live food	<b>2</b>
Breeding and reproductive biology of Syngnathids	<b>2</b>
Algae and aquatic plant physiology	<b>2</b>
Infectious and parasitic diseases of ornamental fish and	<b>2</b>

invertebrates	
Laws and rules for the ornamental species trade	<b>1</b>
<b>Practical classes – 5 credits (40 hours) – to be chosen from:</b>	
Water chemistry and Halchery design and production of live food	<b>1</b>
Reproductive biology of fish	<b>1</b>
Disease and parasitology in fish and invertebrates	<b>1</b>
Visit of a public aquarium	<b>2</b>
Oppure	
Field activity on coral reef	<b>5</b>
<b>INTERNSHIP</b>	<b>18</b>
<b>FINAL THESIS</b>	<b>17</b>
<b>TOTAL</b>	<b>60</b>

The (detailed) program of the courses can be found in the attachment.

Attendance at lessons and training is mandatory.

At the end of the course students will obtain 60 credits.

### **Art. 3 Admission requirements**

Entry to the course is restricted. The course will be confirmed with at least 12 and maximum 20 participants.

The course can be attended by graduates of the following degree classes (see Ministerial Decree 270/2004), or graduates of equivalent degree classes as per Ministerial Decree 509/1999, or graduates of equivalent degree classes according to the university old regulation (prior to Ministerial Decree 509/1999):

- a) Bachelor's degree classes:
  - L-2 BIOTECHNOLOGIES
  - L-13 BIOLOGICAL SCIENCES
  - L-25 AGRICULTURAL AND FOREST SCIENCE AND TECHNOLOGY
  - L-32 ENVIRONMENTAL SCIENCES AND TECHNOLOGIES
  - L-38 ZOOLOGY AND LIVESTOCK PRODUCTION
- b) Master's degree classes:
  - LM-6 BIOLOGY
  - LM-7 AGRICULTURAL BIOTECHNOLOGIES
  - LM-9 PHARMACEUTICAL, VETERINARY AND MEDICAL BIOTECHNOLOGIES
  - LM-42 VETERINARY MEDICINE
  - LM-60 NATURAL SCIENCES
  - LM-69 AGRICULTURAL SCIENCE AND TECHNOLOGY
  - LM-72 ENVIRONMENTAL AND FORESTRY SCIENCES
  - LM-75 ENVIRONMENTAL AND LAND SCIENCES
  - LM-86 LIVESTOCK MANAGEMENT

Candidates holding a degree/diploma obtained abroad, equivalent as for contents and duration for the sole purposes of participation to the Course, to one of the required Italian degrees, can apply. Candidates holding a degree which is not included in the above-mentioned classes will be admitted only after approval of the Selection Committee.

#### **Art. 4** **Terms and conditions of admission**

Candidates to the Course shall have to submit the following documents:

1. **Application** – forms are available at Ripartizione Organizzazione Didattica e Diritto allo Studio and on the University website [www.univpm.it](http://www.univpm.it) “Didattica” “Master” “Master in “Ornamental aquaculture”.
2. Self-declaration (according to Presidential Decree no. 445/2000) stating graduation date, final grade and University of graduation.

Candidates whose degree has been obtained in a non-Italian university can apply directly to Università Politecnica delle Marche, thereby sending a copy of their degree certificate reporting final grade, list of the courses taken, grades earned for each of them and relating grading scale.

In their applications candidates shall have to write the addresses where they can be reached for the purposes of the competition and notify any changes thereof to Ripartizione Organizzazione Didattica e Diritto allo Studio.

According to Presidential Decree no. 445/2000 candidates holding different degrees from the ones listed in art. 3 of this call shall have to submit a self-declaration stating degree, degree class, graduation date, graduation university and country, a list of the exams taken, along with a detailed description of the programs for each of them.

In addition to the above-mentioned documents candidates shall have to submit along with their CV the following documents:

list of the scientific works published, highlighting the ones which are related as much as possible to the subjects of the course;

any documents stating any practical experiences performed which might be relevant for the course;

any other certificates, qualifications or experiences (certified education, training or professional experiences) that the Selection Committee might deem relevant for the admission to the course.

Applications must be submitted by **7th November 2017** in **one of the following ways**:

- by hand delivery to “Ripartizione Organizzazione Didattica e Diritto allo Studio”, Via Oberdan n. 8, Ancona, according to the following timetable: Mon. and Thu from 11.00 to 13.00, Wed. from 15.00 to 16.30. From the 1st September: Mon. Tue. Thu. Fri. from 10.00 to 13.00, Wed. from 15.00 to 16.30.
- by post or courier service:  
**Magnifico Rettore**  
**Master di primo livello in Ornamental aquaculture**  
**Università Politecnica delle Marche**  
**Servizio Didattica - Ripartizione Organizzazione Didattica e Diritto allo Studio**  
**Via Oberdan 8**

## **60122 Ancona**

If the application is submitted personally by a third party, it must be submitted along with a copy of an ID-document of the applicant. A copy of an ID-document of the applicant must be included in the application also if this is delivered per post or courier service.

The sending postmark date shall prevail for applications submitted by post. Applications received to the above-mentioned office later than 5 days after the deadline, even if sent within the deadline, will not be considered. The University cannot be held responsible for late deliveries due to incorrect address provided, unnotified change of the applicant's address, delays of the post or courier service or third parties', unforeseeable circumstances or circumstances beyond one's control.

**Applications received after the above-mentioned deadlines will not be considered, even if sent before the deadline.**

Applications can also be sent by certified e-mail to [protocollo@pec.univpm.it](mailto:protocollo@pec.univpm.it) exclusively from another certified e-mail address.

Applications sent from a non-certified e-mail address will not be considered.

Incomplete applications or applications not complying with the provisions of this article will not be considered.

All candidates are conditionally admitted to the selection: in case of self-declarations and after verification by the university administration, candidates who do not meet the requirements of this call will not be considered for the competition.

Without prejudice to the provisions laid down in article 76 of Presidential Decree no. 445 of December 28, 2000, in case of false or untruthful statements the applicant shall forfeit entitlement to the selection and to the refund of fees.

**Enrollment in the Course and contemporary enrollment in other single courses, degree courses, professional courses, Phd courses, and others is not allowed.**

### **Art. 5**

#### **Selection procedures and approval of the ranking list**

Applicants will be selected on the basis of their academic qualifications, an interview and their knowledge of the English language.

The scores will be in hundredths: up to 40 scores for the qualifications submitted and up to 60 scores for the interview.

The interviews will take place on **23rd November 2017** from **9 a.m.** at Dipartimento di Scienze della Vita e dell'Ambiente. Candidates who will not show up for the interview on the above-mentioned day and time shall not take part in the competition. On 23<sup>rd</sup> November 2017 the Selection Committee will publish the interview timetable on the University Website.

The final ranking list will be published on the University website [www.univpm.it](http://www.univpm.it) under "Didattica" "Master" "Master in Ornamental Aquaculture" on the **29th November, 2017**.

**The ranking list will be published only on the above-mentioned website. The publication of the ranking list on the university website is equivalent to a notification to all intents and purposes.**

The names of the admitted candidates will be published on the same day, i.e. 29<sup>th</sup> November 2017.

The admitted candidates shall then apply for enrolment according to the procedure described in art. 6 of this Call.

## **Art. 6 Enrollment, fees and scholarship**

1- Candidates included in the list of the admitted students can enroll using the forms available at Ripartizione Organizzazione Didattica e Diritto allo Studio or on the university website. The enrollment forms must be submitted to Ripartizione Organizzazione Didattica e Diritto allo Studio

**from 1 December 2017 to 12 December 2017**

The enrollment form must be sent along with the receipt of payment of the fees paid to “Università Politecnica delle Marche” at Unicredit Banca S.P.A. – IBAN code IT95P0200802626000000600882, reporting in the reason-for-payment-field the name of the candidate and the name of the course.

Candidates who fail to do so **will not be considered as enrolled**.

**Candidates who graduated in a non-Italian university must submit the documents issued by diplomatic officials (certified translation of degree and declaration of value) within the above-mentioned deadline.**

4 – Vacancies will be offered to the next ranking eligible candidates, whose name will be published on **13<sup>th</sup> December 2017** at [www.univpm.it](http://www.univpm.it) under “Didattica” “Master”.

5 - Candidates can enroll using the forms available at Ripartizione Organizzazione Didattica e Diritto allo Studio or on the university website at [www.univpm.it](http://www.univpm.it), under “Didattica” “Corsi di perfezionamento”. The enrollment forms must be submitted to Ripartizione Organizzazione Didattica e Diritto allo Studio

**from 13 December 2017 to 19 December 2017**

The application form must be sent along with the receipt of payment of the fees paid to “Università Politecnica delle Marche” at Unicredit Banca S.P.A. – IBAN code IT95P0200802626000000600882, **reporting** in the reason-for-payment-field the name of the candidate and the name of the course.

Candidates who fail to do so **will not be considered as enrolled**.

Candidates who have not completed the enrollment procedure in accordance with the terms and conditions indicated above will be considered as withdrawn. If after the above-mentioned deadline vacancies still stay unfilled, the Administration will proceed to the admission of new candidates only after consulting with the Course Coordinator. The names of the admitted candidates will be published in the register of the Ripartizione Organizzazione Didattica Diritto allo Studio and on the university website on **20<sup>th</sup> December 2017**. In this case enrolment deadline will be **22<sup>nd</sup> December 2017**.

Enrollment fees amount to 3.000,00 €. All compulsory contributions are included.

For those students who decide to go to Indonesia for their traineeship, the application fees include the following:

- 7-night stay at Resort Coral Eye (Bangka Island – Indonesia), breakfast, full-board, 4 divers, diving equipment and transfer from and to Manado airport (Indonesia)
- The enrolment fees do not include the flight tickets.

#### **ART. 7– Administrative Officer**

According to art. 5 of Law no. 241 of August 7, 1990 the organizational unit of this call is Servizio Didattica – Ripartizione Organizzazione Didattica e Diritto allo Studio, whereas the person responsible for the administrative procedures of this Call is Dott.ssa Bruna Maria Anderlini.

#### **ART. 8 – Publication of the call**

This call is published on the university website [www.univpm.it](http://www.univpm.it).

#### **ART. 9 – Additional regulations**

For matters not specified in this Call, please refer to the provisions contained in the “Regolamento Master Universitari” and in the regulations in force.

### **INFORMAZIONI**

Servizio Didattica

Ripartizione Organizzazione Didattica e Diritto allo Studio

Università Politecnica delle Marche

Via Oberdan n. 8 - 60122 Ancona

Tel. 071.220.2306

Fax 071.220.2308

E-mail: [master.agraria-scienze@univpm.it](mailto:master.agraria-scienze@univpm.it)

<http://www.univpm.it> seguendo il percorso: “Didattica” “Master universitari” “Master in Ornamental aquaculture”

In accordance with art. 11 and 13 of Legislative Decree n. 196 of June 30, 2003 the applicants’ personal data will be used for the following purposes:

- personal data may be processed for an efficient management of the application, selection and enrolment procedures of this call and to perform the university’s institutional functions. Data processing may occur also with the assistance of electronic or automated means. The data collected may be used by Università Politecnica delle Marche and by other data processing companies or institutions that operate on behalf of the University;
- personal data may be published for university institutional purposes;
- the personal data collected may be transferred to those entitled thereto by law, as long as the transfer is appropriate to fulfill the university institutional purposes; this may happen solely for procedures relevant to the application for this call.