

**International, interfaculty, interdepartmental, second-level biennial Master's course:  
THE RECYCLING PROJECT: ARCHITECTURE, VISUAL ARTS, DESIGN**

**ANNOUNCEMENT**

Students are invited to apply for the second-level biennial Master's "THE RECYCLING PROJECT: ARCHITECTURE, VISUAL ARTS, DESIGN" for academic years 2016/2017, 2017/2018.

The maximum number of participants is 30 graduates and applicants will be listed in a ranking according to their merits.

The course will start if there will be a minimum of 20 people.

**1.**

**Learning objectives**

The Master's course is aimed at providing advanced and specific training to graduates who wish to specialise in the reduction and disposal of waste, and how to turn it into a resource.

The aim is also to devise production programmes able to reduce the amount of waste and polluting emissions.

The idea and the programme that are at the core of such Master's course "The RECYCLING PROJECT: ARCHITECTURE, VISUAL ARTS, DESIGN" originate from a reflection about the meanings that the term "recycling" has acquired within contemporary culture.

It is included in the "3Rs": "reduce, reuse, recycle". Therefore, it is about creating a virtuous behaviour towards the environment and focussing on the problem of how to reduce and dispose of waste.

Also, it involves some very complex types of actions, at the same time providing the chance of elaborating several types of projects.

Such projects will be based on a detailed knowledge and awareness about the places where they will be implemented, and will focus on how to manage local resources, preserving and enhancing them.

**2.**

**Career opportunities**

Students will have a chance to draft a reference map: the several possibilities offered by recycling activities will be aimed at training new professionals bringing vision and innovation.

The programme include a whole range of subjects: a philosophical premise, an in-depth analysis of the means of expression, the economic, entrepreneurial, commodity-related, production and transformation processes undergone by materials, as well as some indispensable knowledge about materials: from raw material to secondary raw material, including physical, chemical, technical and mechanic characteristics.

For example, when dealing with enterprise economics it will be necessary to figure out new solutions for companies, based on the principles of circular economy.

**3.**

**Students**

The programme is addressed to those who hold a 5-year university degree, or a degree awarded during the previous academic system, prior to Ministerial Decree n.509/99 and 207/04 in:

ARCHITECTURE AND CONSTRUCTION ENGINEERING LM/4;

HISTORY OF ART/DIPL. ACADEMY OF FINE ARTS EQUATED LM-89;

SCIENCES AND TECHNOLOGIES FOR THE ENVIRONMENT AND TERRITORY- LM-75;  
ECONOMICS FOR THE ENVIRONMENT AND CULTURE - LM-76;  
ECONOMIC SCIENCES - LM-56;  
BUSINESS ECONOMICS LM-77;  
DESIGN AND EQUIVALENT DEGREES LM-12;  
SCIENCES AND TECHNOLOGIES FOR INDUSTRIAL CHEMISTRY - LM- 71;  
SCIENCE AND ENGINEERING OF MATERIALS - LM 53;  
CHEMISTRY - LM 54;  
AGRICULTURAL SCIENCE AND TECHNOLOGY- LM-69.

University Consortium Archimede, through a specific agreement with the University of Catania in order to institute such Master's course, reserves the possibility to grant up to 10 vacancies to people working in the public administration and local bodies.

This is done in order to promote the competences and training of people working in the public institutions.

Such vacancies will contribute to reach the minimum number and the maximum number of participants, as specified in the present announcement.

#### **4. Schedule**

The programme is held during two academic years for a total 3,000 hours, divided as follows:

- 823 hours of lectures, exercises and guided study;
- 600 hours of traineeships (not in a classroom);
- 1,477 hours of individual study, including 100 hours to prepare the final exam.

Lectures will be mainly held in the premises of the Faculty of Architecture in Siracusa, and at the DICAR Department of the University of Catania.

Attendance is compulsory.

Students are allowed a maximum 20% of absences out of the total hours envisaged for the course. The Master's course will award 120 ECTs.

#### **5. Course content**

The Master's course includes 12 subjects, sub-divided into modules including a total 823 hours of lectures, exercises and guided study:

##### **1st year**

##### **Subject 1: Recycling between ethics and aesthetics**

module 1: From Dadaism to multi-material art;

module 2: Not a unique work any more: technical reproducibility. Performances;

module 3: From organic architecture to "poor" micro-architecture.

##### **Subject 2: Recycling technology 1**

module 1: Basic chemistry;

module 2: Chemistry of compounds.

##### **Subject 3: New frontiers of the economic thought**

module 1: New models of capitalism towards the green economy;  
module 2: Towards new models of territorial development;

#### **Subject 4: Agricultural production and recycling**

module 1: Characteristics of agricultural and food produces;  
module 2: Management of energy flows and geo-biodynamic cycles.

#### **Subject 5: A culture-based project**

module 1: History and project  
module 2: Geometry and genesis of shapes;  
module 3: Technology and shapes;  
module 4: From found objects to objects with a poetic value;  
module 5: The substance of surfaces;  
module 6: The morphological characteristics of materials meet the suggestions of contemporary culture.

#### **Subject 6: Eco-design**

module 1: History of design and design for industrial production;  
module 2: Principles of eco-compatible product design  
module 3: Drawing and representation for design (modelling)  
module 4: New materials and production processes;  
module 5: Technologies for new materials and construction processes.

### **2nd year**

#### **Subject 1: Recycling technology 2**

module 1: Chemistry of transformations  
module 2: Biopolymers

#### **Subject 2: How to take advantage of agriculture waste**

module 1: A biorefinery to take advantage of waste  
module 2: An ecosustainable, closed-loop farm

#### **Subject 3: Economic thought and social innovation**

module 1: The success of Sharing Economy  
module 2: From ROI to SROI, from GDP to GNH

#### **Subject 4: Aesthetics and expression**

module 1: Art and scrap materials  
module 2: The conflict among recycling, coated items, hyperreality and virtual reality  
module 3: How waste can contribute to introduce innovative materials

#### **Subject 5: A culture-based project**

module 1: Waste in our contemporary society;  
module 2: Renew the culture-based project and replace roles;  
module 3: Metabolic processes in complex and multi-specialised systems;  
module 4: Preferential scenarios of advanced urban economies;

### **Subject 6: Technology of innovation processes**

module 1: Recycling technologies and construction processes;  
module 2: Recycling as technology transfer;  
module 3: LCA and resources cycle.

## **6.**

### **Premises**

Lectures will be held at the Faculty of Architecture in Siracusa (University of Catania), where classrooms will be fully equipped depending on each subject's specific requirements; in case of other requirements, some lectures may be held at the Department of Chemistry and the D3A Department in Catania, as well as in other premises made available by Consortium Archimede, a partner of the University of Catania in this Master's course.

Some lectures may be held in other places (traineeships, study tours).

## **7.**

### **Entry requirements**

Students can apply exclusively on-line at [www.unict.it](http://www.unict.it).

Go to the University of Catania's website [www.unict.it](http://www.unict.it), on the home page click on "Portale Studenti" (Students) and follow the instructions:

- register if you do not have a p.i.n., then log in
- click on "Portale Studenti" (Students), then on "Prove di ammissione" (admission tests), then "selezione per master" ("MA course selection"), choose the MA course, fill in the on-line form,
- check that your data are correct and confirm
- print out the form with the participation fee, i.e. € 40.00\* (forty Euros), to be paid at BANCA UNICREDIT or on-line (in "Portale Studenti" click on "Pagamenti on-line") through VISA or MASTERCARD credit card.

You will be able to pay the amount at BANCA UNICREDIT at least three hours after you have sent the on-line form.

- include attachments.

\* not reimbursable in case the course is cancelled.

No other method of payment is allowed, otherwise you will be excluded from taking the tests.

You are required to pay the participation fee by hrs. **11:59 p.m. of 31st March 2017.**

You are required to send the following documentation by the **31st March 2017.**

### **DOCUMENTS TO BE ATTACHED** **ONLY PDF. FORMAT**

Self-certification in compliance with D.P.R. 445 of 28/12/2000 of:

- Degree, indicating marks, date and university where it was awarded; other degrees that may be useful in order to pass the selection;

- Photocopy of "Dichiarazione di Valore" (an Italian document for those who obtained their university degree abroad);
- Photocopy of a valid I.D. (identity card, driving license, passport);
- CV drafted according the European CV Model;
- a report of maximum 3,000 characters (spaces included) on the activities you carried out in the last 10 years and relevant with the course's contents.

**Providing these data is indispensable to take part in the selection; if your data are incomplete and/or false, you will be excluded by the Master's management Committee, in compliance with chapter 14 of this announcement.**

The requirements described herein must be held by the deadline when the application is due. Enrolment to this Master's course is not compatible with enrolment to other university courses (ref. University Rules).

## **8.**

### **Processing of personal data**

The notice on the processing of personal data (art. 13 of the Leg. Decree of 30/06/03 n. 196 "Personal data") is included in Attachment 1 of this announcement.

## **9.**

### **Selection and ranking**

Holding one of the degrees listed in chapter 3 of the present announcement is an indispensable requirement.

Except the vacancies envisaged by the Consortium Archimede as specified in chapter 3 of the present announcement, if the number of applicants exceeds the available vacancies, a selection based on the degrees included in the application will be carried out.

Degrees included in the application will be given the following points:

- University degree up to 5 points depending on the mark: 1 point if it is 103 to 104; 2 points in case it is 105 to 106; 3 points in case it is 107 to 108; 4 points in case it is 109 to 110; 5 points if it is 110 with full marks and honours;
- dissertation on topics relevant to the subjects taught in the MA course up to 6 points;
- other degrees (second degree, specialisation, PhD, other diplomas or MA degrees) up to 4 points;
- documented experience in activities relevant to the subjects taught in the MA course, projects including stays at other universities, research studies and traineeships in activities relevant to the subjects taught in the MA course (traineeships carried out during academic courses will not be taken into consideration), 1 point for each period of at least 6 months, up to a maximum of 5 points;
- scientific publications relevant to the subjects taught in the MA course: up to a maximum of 5 points.

The maximum total will be 25 points.

The Assessment Commission reserves the right to evaluate the requirements through a test and/or an interview that will be held in English and that may award up to 10 points.

In case two or more students have the same number of points, preference will be given to the youngest ones (art. 2, subsection 9, L. 16/06/1998 n. 191).

The Assessment Commission may decide it is not necessary to carry out any test and/or interview: in such a case a list of the selected students will be published at [www.unict.it](http://www.unict.it) on the 7th April 2017.

## 10.

### Tuition fees

€ 2,358.00 divided as follows:

€ 958.00 when enrolling (the amount includes € 202.00 for enrolment fee, € 140.00 for regional financial help tax and € 16.00 for an electronic duty stamp, € 600.00 1<sup>^</sup> tranche of tuition fee);

€ 700.00 (2<sup>^</sup> tranche of tuition fee by the 28th September 2017)

€ 700.00 (3<sup>^</sup> tranche of tuition fee by the 30th January 2018).

In case of voluntary leave, paid fees will not be reimbursed.

The most deserving students may be eligible for scholarships that would cover a part or the whole tuition fee.

Such scholarships may be available for all the students who will attend the course, according to the terms that will be established by the Master's course Management Committee.

In such a circumstance, the MA course will be free of charge.

## 11.

### Enrolment

By the **21st April 2017** all applicants who are eligible according to their ranking position must confirm their enrolment to the course and pay the tuition fee according to the following instructions:

- Go to the website on “Portale Studenti”;
- log in;
- once in your personal home page, click on “Immatricolazione” and follow the instructions;
- confirm your data;
- **print out** the form for the payment of the enrolment tax of € 958,00 that must be paid by the **21st April 2017** or be paid at BANCA UNICREDIT or on-line (in “students” click on “Pagamenti on-line”) through VISA or MASTERCARD credit card.

**No other method of payment is allowed, or you will be excluded from taking the tests.**

**If you fail to pay the fee within the deadline, you will lose the chance to be enrolled.**

The second and third tranche of the tuition fee, respectively € 700,00 each, may be paid at the "Ufficio Master dell'Area della Didattica dell'Università di Catania" (095/7307998/953) and at any agency of the BANCA UNICREDIT.

It is also possible to pay on-line (in “students” click on “Pagamenti on-line”) through VISA or MASTERCARD credit card.

## 12.

### Students evaluation

#### *During the course*

At the end of each module, students will have to take a test aimed at assessing their knowledge of the contents studied in each module.

These will be multi-disciplinary tests and will take place in the classrooms.

#### *Final*

At the end of the course each student will have to take an exam: a discussion about a project work (topics will be agreed with the Steering Committee taking into consideration a final traineeship). According to the results of exams after each module, the final exam and the assessment by a specific Commission for the final evaluation, each student will be awarded a Second-level MA degree in "THE RECYCLING PROJECT: ARCHITECTURE, VISUAL ARTS, DESIGN" and 120 ECTS.

### **13. Traineeships**

The programme envisages 600 hours of traineeships to be carried out in companies and bodies dealing with the themes studied in the course of the programme, so that students may apply the competences they have acquired during lectures.

During traineeships, reference people from the companies will follow the students' activities in order to identify and develop each one's skills, with the cooperation of university tutors.

The aim is to develop a Project Work that would include all the competences that were acquired during the course.

Traineeships will be held at the following companies and bodies. Other ones may be agreed and approved by the University:

- INBAR Siracusa
  - Ecomac
  - O2 Italia
  - Plasticconf
  - Alessia Genovese
  - Municipality of Augusta
  - Municipality of Priolo
  - Municipality of Siracusa
- and more.

### **14. Management Committee**

The Master's course coordinator is Prof. Zaira Dato, belonging to the Faculty of Architecture in Siracusa, Department DICAR of the University of Catania.

The Management Committee is composed by Professors:

Francesca Castagneto (vice-coordinator), Fernanda Cantone, Vincenzo Latina, Rita Maria Valenti.

### **15. Information**

For further information students may contact the Secretariat at +39 0931 489404-03-02, or send an e-mail at [architettura@unict.it](mailto:architettura@unict.it).

### **16. Partners and mobility**

During the programme students will have a chance to cooperate and exchange knowledge with other Italian and foreign universities, and with local associations and companies that carry out activities to protect the environment through a specific focus on waste recycling.

Rifiuti Zero Siracusa - INBAR Siracusa – Zero Waste Italia

PLASTICONF - BIO'N - ECOMAC - ALESSIA GENOVESE - FLY INN - INTEC SUD.- O2  
ITALIA

**17.**

**Person in charge of the programme**

In compliance with Law 241/1990, the Person in charge of the programme is Mrs. Venera Fasone, also in charge of the MA Office at the University of Catania.

Catania,