PUBLIC ENGAGEMENT AND CITIZEN SCIENCE AT SCIENCE GALLERY

Breaking Boundaries and Creating Collisions in Science, Art, Technology and Innovation

LEVEL I – I EDITION
A.Y. 2017-2018

Presentation
The fields of science, technology and innovation are enjoying unprecedented growth and an appropriate public engagement and communication strategy is needed for creating a responsible, responsive and ethical society. In the master you will learn about the contexts for science communication, how the practice of public engagement has emerged in the recent years and develop awareness about the current context of these fields. You will learn how to present science effectively, practise interviewing and being interviewed, how to facilitate discussion, learn about the workings of the print media and how to write effective press releases and policy briefings. You will learn and practise techniques for facilitating effective dialogue around issues related to science.

This professional master, thanks to Science Gallery International and the Science Gallery Global Network, supports a vibrant culture of science communication and public engagement and is a world leader for a unique kind of science communication and public engagement practice. It has excellent links with external science communication organizations and we can offer opportunities for real world, work-based projects and placements.
Aims

The fields of science, technology and innovation are enjoying unprecedented growth and an appropriate public engagement and communication strategy is needed for creating a responsible, responsive, educated and ethical society. In the master you will learn about the contexts for science communication, how the practice of public engagement has emerged in the recent years and develop awareness about the current context of these fields. You will learn how to present science effectively, practise interviewing and being interviewed, how to facilitate discussion, learn about the workings of the print media and how to write effective press releases and policy briefings. You will learn and practise techniques for facilitating effective dialogue around issues related to science.

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In particular the Course aims to develop the following professional profiles: Communicators in science; Communicators in Science, Art, Technology and Innovation; Creative entrepreneur; Creative entrepreneurs; Education officers; Engagement managers in Science, Art, Technology and Innovation; Event managers; Innovation influencers; Knowledge brokers; Museum managers; Policy consultants; Public engagement managers; Public Information officers; Scientists.

Didactic activities

TEACHING 1

Science, Technology and Innovation Communication and Engagement

- to know general theoretical overview on public engagement in science, technology, art and innovation;
- to learn various ways of doing public engagement today;
- to learn successful and unsuccessful way of doing public engagement;
- to learn the various tools of doing public engagement;
- to learn the basic rudiments of science communication today;
- to design effective methods of communicating science to different audiences;
- to examine the history of communication in science;
- to disseminate diverse science topics to specific and general audiences;
- to apply a suite of skills including scientific writing, media skills, public speaking and research design.
TEACHING 2
Science Engagement and Arts
- to learn how to explain science, research, innovation through art;
- to learn how to excite people about science through art;
- to learn the various possible arts (music, painting, dance, sculpture) for a successful science engagement.

TEACHING 3
Exhibiting and Engaging Science
- to learn how to create exhibition;
- to learn how to create engaging installations;
- to design effective methods of engaging society in science;
- to design effective research nights.

TEACHING 4
Engaging young adults
- to learn how to engage young adults;
- to learn how to engage kids;
- to learn how to educate mediators;
- to learn how to maintain interest in science throughout life.

TEACHING 5
Science Education
- to demonstrate best practices in science education research;
- to apply skills pivotal to the improvement of science education including engaging with policymakers, grant writing, public speaking, research methods and citizen science;
- to learn the implications of science education.

TEACHING 6
Science, Society and Public Policy
- to learn how to manage the various policies about science;
- to examine the role of science in society;
- to analyze the importance of policy in science education;
- to provide an appreciation of ethics and responsible research;
- to illustrate the part science education plays in sustainability and development;
- to list best practices in the ethical governance of science;

All. Bando unico Master in Public engagement and citizen science at Science Gallery
TEACHING 7
Economic, Social and Cultural Impact of Science Public Engagement
- to identify the impact of current science and technology and their relationship to innovation, development and economic growth.

TEACHING 8
Documenting Science with the New Media
- to engage with social and mass media to better communicate science in education;
- to appraise critically the importance of science education in public engagement, mass/social media and to incorporate research and theory into each of these areas;
- to apply a suite of skills for new media.

TEACHING 9
Citizen Science
- to recognize common themes inherent in most citizen science projects;
- to understand key arguments emphasized in citizen science literature;
- to examine and critique a citizen science project through an analytical lens;
- to gain practical experience to prepare a paper or talk about the general landscape of citizen science and the projects, people, platforms and perspectives fueling its popularity;
- to understand how citizen science might translate to your own field research, relating what you learn about citizen science as a practice in the course to your disciplinary training as researchers.

TEACHING 10
Science on Screen
- to learn how to document science through screen.

TEACHING 11
Science in Action: Frontier Research, Current Debates and Controversies in Everyday Life
- to learn the major, current debates in science - to learn how to manage debates in science;
- to learn how to sensitize people about science.

Duration and summary of course activities and credits (crediti formativi, CFUs)
The Master's Programme lasts one year and comprises **360-hours of teaching.**
A 250-hour internship at one of the Science Gallery of the Global Network forms an integral part of the course. 1700-hours for a total of 68 CFUs are given over to study, including individual study and the preparation of a final thesis.

Qualification awarded
Students who have attended the course activities, completed their placement and drawn up their final dissertation will be awarded the qualification of university Master of first-level in Public engagement and citizen science at science gallery.

Period
January 2018 > January 2019

Course calendar
6 hours/day, 5 days/week, 3 months.*

* The course calendar will be finalized in detail sufficiently in advance of commencement of course activities and can be consulted on the official website of the Master.

Teaching method
Classroom-based lessons

Language
ENGLISH

Attendance
Attendance is monitored through signature of the course register. Successful completion and passing of each module is conditional upon regular attendance. Students must not in any case be absent from more than 20% of the total number of hours of lessons.
Credits are awarded upon passing the individual modules, with the completion of placement/project work activities and passing of the final assessment.

**Course venue**
Venice

**Admission requirements**
FIRST LEVEL
/Pre-reform university degree/diploma
/ Three-year degree
/ Equivalent foreign university qualification in an appropriate subject, subject to approval by the teaching staff
/ Good knowledge of English

**Admission applications**
Applications must be submitted by filling in the online admission application, details of which are outlined in the article 3 of the Announcement of selection. Only applications accompanied by all required documentation will be considered. The call for applications and related documentation can be found and downloaded on the information webpage about the Master.

**Selection procedure**
Candidates’ applications will be assessed on the basis of qualifications held. Candidates will be notified directly of any admission tests set by the course teaching staff.

**Admissibility of undergraduates**
Undergraduates may be admitted to the course on condition that they obtain their degree necessarily within one month of the commencement of course activities. In such a case enrolment on the Master course may be completed only after the qualification required for admission is awarded.

**Number of places available**
The maximum number of places available is: **15**
The Master programme will be held subject to a minimum number of **40** enrolments.

**Fee: € 15,000**
- 1st installment **18th December 2017**: € 7,516 (comprensiva di marca da bollo da € 16)*
- 2nd installment **18th May 2018**: € 7,500

* The cost of the stamp is not refundable

**Revenue stamps**
For the Italian Law is compulsory to put a revenue stamp of € 16 on every application you present to a Public Institution and on every certificate the Public Institution provides.

The students are therefore requested to pay for:
- 1 revenue stamp on the enrollment application
- 1 revenue stamp on the final exam application
- 1 revenue stamp on every extra certificate they in case will request.

**Loans and financial assistance**
The participation fee includes the cost of staying in Venice during the didactic period.
The information regarding eventual scholarships (if granted) wholly or partially covering the course fee is updated on the page dedicated to the Master at [www.unive.it/sgv](http://www.unive.it/sgv).

**Enrolment**
SUBMISSION OF ADMISSION APPLICATIONS (article 3 of the call 2017-18)
within 4th December 2017
COMMUNICATION OF SELECTION RESULTS
within 12nd December 2017
COMPLETION OF ENROLMENT PROCEDURE (article 6 of the call 2017-18)
within 18th December 2017

**Director**
Prof. Marco Sgarbi

**Website**
[www.unive.it/sgv](http://www.unive.it/sgv)
Information
/ For information about **submission of admission applications**, please contact the Coordinating Office:
Ca' Foscari Challenge School:
tel. 041 234 6853 (9am - 1pm)
fax 041 234 6801
e-mail: master.challengeschool@unive.it

/ for information about the **course contents** and **calendar** please contact:
e-mail: tutor.sgv@unive.it