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 multifaceted world concerning art, science and technology is enjoying unprecedented growth and an appropriate public engagement and communication strategy is needed for creating a responsible, responsive and ethical society. This professional Master course, in collaboration with all the Science Galleries of the Global Science Gallery Network, supports, promotes and fosters the existing vibrant culture of art-science communication and public engagement. It involves and connects renowned national and international science communication organizations and offers opportunities for work-based projects and future placements. Prospective Master students will learn how to engage the public and raise awareness on scientific issues by facilitating, launching and managing dialogue and debates, how to apply the most effective interviewing tools, to write effective press releases and policy briefings, and will also take advantage of citizen science to foster and engage the local community. They will also learn and practice techniques to put the public in contact with science through a visionary unprecedented artistic point of view.

Target applicants

- Scientists
- Public and science engagement managers
- Event managers
- Museum managers
- Science communicators
- Public information officers
- Policy consultants
- Innovation influencers
- Creative entrepreneurs
- Graduate students

**Professional profiles**
- Engagement managers in Science, Art, Technology and Innovation
- Science, Art, Technology and Innovation communicators
- Public Information officers
- Education officers
- Policy consultants
- Innovation influencers
- Knowledge brokers
- Creative entrepreneurs

**Didactic activities**

**TEACHING 1**
Science, Technology and Innovation Communication and Engagement

**Students will:**
- gain general theoretical overview on public engagement in science, technology, art and innovation
- learn different ways of doing public engagement today
- learn successful and unsuccessful ways of engaging the public
- learn the best tools for effective public engagement
- learn the grounding of science communication
- design effective methods of communicating science to different audiences
- learn the history of science communication
- learn to disseminate science topics to specific and general audiences
- gain fundamental communication skills including scientific writing, dealing with the media, public speaking and research management

**TEACHING 2**
Science Engagement and Arts

**Students will:**
- learn how to raise awareness and interest in science, research and innovation through art
- learn how to excite and surprise people dealing with science through art
• learn the different possible useful arts (music, painting, dance, sculpture) to be used for a successful science engagement

TEACHING 3
Exhibiting and Engaging in Science

Students will:
• learn how to manage exhibitions
• learn how to create engaging installations
• design effective methods of engaging society in science
• design research related events

TEACHING 4
Engaging young adults

Students will:
• learn how to engage young adults (15 to 25 years)
• learn how to engage kids
• learn how to train mediators
• learn how to maintain interest in science throughout life

TEACHING 5
Science Education

Students will:
• acquire best practices in science education research
• apply skills pivotal to the improvement of science education including engaging policy makers, grant writing, public speaking, research methods and citizen science
• learn the implications of science education

TEACHING 6
Science, Society and Public Policy

Students will:
• learn how to manage policies about science
• examine the role of science in society
• analyze the importance of policy in science education
provide an in-depth sight on ethics and responsible research
illustrate the role science education plays in sustainability and development
provide and spread best practices in the ethical governance of science

TEACHING 7
Economic, Social and Cultural Impact of Science Public Engagement

Students will:
• identify the impact of current science and technology and their relationship to innovation, development and economic growth.

TEACHING 8
Reporting Science with the New Media

Students will:
• use social and mass media to better communicate science in education
• highlight the importance of science education in public engagement, and mass/social media management to apply a suite of skills for the new media

TEACHING 9
Citizen Science

Students will:
• recognize common themes present in most citizen science projects
• understand key topics emphasized in citizen science literature
• examine and evaluate a citizen science project through an analytical lens
• gain skilled know-how to write 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 a specific field research, relating what students learn about citizen science as a practice in the course to their disciplinary training as researcher

TEACHING 10
Science on Screen

Students will:
• learn how to document science through screen
TEACHING 11
Science in Action: Frontier Research, Current Debates and Controversies in Everyday Life

Students will:
- learn the major, current debates in science - and how to manage them in public
- learn how to sensitize people about science through art

Duration and summary of course activities and credits
The Master's Programme lasts one year and includes 360-hours of teaching.
A 250-hour internship in one of the Science Galleries of the Global Science Gallery Network forms an integral part of the course.
1700-hours for a total of 68 ECTS are given 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
March 2018 > March 2019

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

* The course calendar details will be published in advance before the beginning of course activities on the official website of the Master
www.venice.sciencegallery.com/education

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, upon 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 only if they obtain their degree within one month before 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: **40**
/ The Master programme will be held subject to a minimum number of **15** 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 it 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) entirely or partially covering the course fee is updated on the page dedicated to the Master at
www.venice.sciencegallery.com/education
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.venice.sciencegallery.com/education

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