



istitutomarangoni



**EXECUTIVE SHORT COURSES
LIGHTING DESIGN
FOR PROFESSIONALS**

Version 01

Brief descriptive summary

Over the past 80 years Istituto Marangoni has grown and developed alongside the thriving Italian fashion and design industry. Through an exciting curriculum aimed to develop practical, creative, and business and management skills which are subject specific, and relevant to the international fashion industry, Istituto Marangoni short executive courses provide an opportunity to broaden horizons and update expertise in all areas of the business.

1. Certification attained

Istituto Marangoni Certificate

2. Course Learning Outcomes

On successful completion of the course, participants will be able to:

- classify the complexity of a lighting design project both from a creative and technical point of view;
- explore the creative potential offered by the most advanced lighting design technology;
- apply suitable lighting design criteria to design projects;
- develop new lighting solutions and features according to behaviour and needs, related to indoor and outdoor space;
- evaluate human-light interaction and new lighting design methodologies in design projects.

3. Course Description & Assessment Methodology

Course description:

Over the last few years, the lighting design sector has developed significantly and today the demand for professional figures capable of understanding the dynamics of the relative scenarios in constant evolution continues to grow. The Course is designed for those who intend to extend and fine-tune their competences, in line with the most recent technological innovations and their uses but also from a creative point of view, where light is considered a true 'material'.

Weekend 1: during the first week, participants will be introduced to a theoretical presentation of the topic 'light', considered primarily from the physical, biological, technological, historical and applicative viewpoints, in the various sectors: from architecture to domestic and office environments; from the world of retail to the contract segment; from outdoor lighting to lighting for urban design. Theoretical lessons and seminars offer the participants the opportunity to acquire notions about the most recent innovations in the lighting design sector and become familiar with the working field of the lighting designer.

Weekend 2: this week, the attention will focus on how light interacts with its surrounding space, urban environment and scenery. Light as a characteristic that is perceived by the senses and emotions and therefore, as an ergonomic element based not only on quantity but also on quality, a device that makes our actions possible in a given context. In particular, participants will be offered the opportunity to acknowledge the work of the artists and lighting designers who operate in the international scene and are actively involved in experimenting with both the technical and creative aspects of light.

Weekend 3: participants will study in depth the technical properties of light and the new materials used in the lighting design field: from the use of OLED (Organic Light Emitting Diode) sources, to more advanced strategies for controlling lighting equipment, depending on the various types of intervention. The main lighting calculation software systems will also be presented.

Weekend 4: the classroom lessons will be alternated with workshops and practical sessions geared to enable participants to experiment with the methodologies and techniques they have acquired. These will also prepare them for developing designs by analysing case histories, visiting industries and showrooms and performing activities specifically structured to help them explore the most recent applications and emerging trends in depth.

Weekend 5: participants will analyse the world of light in the retail space from both a functional and decorative stance, investigating the various lighting solutions available for the commercial environment. 'Energy', 'sustainability', 'domotics', but also 'interpretative lighting' and the relationship between 'natural and artificial light' today present themselves as some of the emerging issues. In line with these fields of research, a work briefing assigned by an external customer, professional studio or leading company in the lighting design sector will be proposed.

Weekend 6: under the guidance of their tutors and assistants, the participants in the course will be invited to complete an individual design of their own and their final presentation. They will also learn about the main international trade exhibitions in the field of lighting, such as EuroLuce-Salone Internazionale del Mobile in Milan and Light+Building in Frankfurt, as well as several expositional initiatives dedicated to the world of light.

Assessment:

Depending on the nature of the executive course, the following assessment methodology may be referred to:

Formative Assessments:

This consists in a daily interaction with the tutors that through feedback help the trainees to adopt a critical appraisal of their own learning experience, and helps them assess their own performance in relation to the learning outcomes set for each element of study.

Summative Assessments:

These are formal assessments and are a means of gauging trainee learning, at a particular point in time, relative to established marking criteria (Learning Outcomes). Summative assessments can occur during as well as at the end of each unit on specific evidence of trainee work, examples as follows:

Portfolio Assessment is used to assess a variety of projects that have been developed throughout the unit and contained within a single folder or portfolio. Portfolio assessment could take a variety of formats depending on the subject and stipulated by the tutor.

Practical and class-based projects allow participants to apply their theoretical understanding of a specific subject area.

Written Reports are required in some study areas and these will in some cases be a response to industry briefs, allowing participants to reflect real industry requirements and to present work to industry standards through report writing.

Presentations are used in some subjects to allow participants to develop their creative, professional communication and presentation skills, formalising their arguments in a critical manner. When giving presentations participants are actively encouraged to embrace new technologies and media in an innovative way where appropriate.

4. Educational Aims

The educational aims are:

- to develop flexible approaches to programme delivery and participant support, which reflect the needs and expectations of learners at the appropriate level;
- to provide a supportive and inclusive learning environment which will enable success for all learners;
- to encourage the, creativity, critical self-awareness, imagination and skills that will enhance global employment opportunities on completion from all courses;
- to establish a culture of constant improvement in learning, teaching and assessment that is anticipatory, enabling, supportive, rewarding and fully aligned with the Institutions vision and strategic objectives;
- to provide a learning experience that is informed by research, reflective practice and engagement within the fashion, design, and creative industries.

5. Study Areas / subjects covered**Main study areas**

Lighting design

Project development

Theory and history of lighting design

Lighting design, creative and technical applications

Advanced devices for lighting management

Interpretive lighting design

6. Tutor/lecturer Responsibilities

The Director of Education has the responsibility for implementing the strategic direction of the courses and the co-ordination of the academic teams and administration, necessary for the successful day-to-day operation of the school.

The Tutors' responsibilities include:

1. all matters pertinent to the proper day-to-day operation of the programme involving leading and supporting participants;
2. advice to the Director of Education on appropriate delivery for the continuing development of the programme;
3. recommendations in areas for curriculum development;
4. liaison with the Participant Support Officer to ensure appropriate study support is available to participants;
5. recommendation of the appropriate level of resource required for the Unit;
6. maintaining the quality of educational standards.

7. Participant Support Strategy

Istituto Marangoni's departmental policies ensure that various mechanisms are in place to enhance the participant experience, in an pedagogic, practical and pastoral way:

- a. programme handbooks provide relevant information to participants;
- b. the use of the Library, online resources (where available), and the centre facilities help participants to reach the skills and knowledge expected on the course;

Participant Support Officers

Istituto Marangoni provides Faculty Participant Support Officers, who act as the first point of contact for participants for pedagogical counselling. For any other matters the Participant Support Officers help in:

- managing time;
- dealing with stress;
- exam tips;
- getting the best from the course;
- understanding and applying the School's rules;
- anything else the officers can advise on.

One-to-one appointments may be made by phone, through the receptionists or by email. Where possible participants can expect to be seen almost immediately, or contacted to arrange a suitable time.

8. Participant Feedback

Participant feedback is essential to programme development and participant comments are used to enhance both the successful management of the programme and the teaching/learning strategies.

Istituto Marangoni gathers participant opinion in a variety of ways, which may include the following:

- informal contact with the Tutor, and through appointments with academic staff;
 - end of course online questionnaires where participants will be invited to reflect on their overall experience at the School.
- Istituto Marangoni would prefer that on most occasions participants be identified when giving constructive feedback on the course and teaching methods. There might be occasions when it is not appropriate and Istituto Marangoni recognises this exception. In these instances, programme teams and central support services will ensure that anonymity and confidentiality is respected.