

## **OUTLINE OF COURSES** (alphabetical order according to the original Italian version)

### *Glossary*

*Esame vincolante- Binding Exam (EV): students must pass this exam to gain access to the successive year.*

*Combined exam: an exam covering various courses with one single final assessment.*

### **Codes - Legend**

ISIA-F = ISIA Faenza;

DT# = Three-year Diploma, # Year;

DS# = Two-year Diploma, # Year;

DSP# = Two-year Diploma Product Design, # Year;

DSC# = Two-year Diploma Communication Design, # Year;

XXX# = Subject acronym, # = number in alphabetical order.

### **Communication Atelier ISIA-F DT3-AC1**

*2nd and 3rd year*

*Alternative course to Product Atelier*

*Lecture hours per year: 50*

*Credits per year 4*

*Exam in 3rd year*

*Oral exam, presentation of projects*

The students work in a professional manner on graphic design and applied research, choosing from a number of topics and sectors which are made available every year.

### **Product Atelier ISIA-F DT3-AP2**

*2nd and 3rd year*

*Alternative course to Communication Atelier*

*Lecture hours per year: 50*

*Credits per year 4*

*Exam in 3rd year*

*Oral exam, presentation of projects*

The students work in a professional manner on product design and applied research, choosing from a number of topics and sectors which are made available every year.

### **Design with Physical Modelling ISIA-F DT3 DMF4**

*3rd year*

*Lecture hours: 126*

*Credits: 10*

*Binding exam combined with Communication Design*

*Oral exam, presentation of projects*

This course aims at the hypothesis of design where the research and experimental components are the principal aspects.

The task is to analyze researches and “workshops” organised by large-scale industries in a wide range of product sectors.

At the same time students are required to elaborate researches and project hypotheses dealing with topics that are chosen year by year.

### **Communication Design ISIA-F DT3 DC5**

*3rd year*

*Lecture hours: 50*

*Credits: 4*

*Binding exam combined with Design with Physical Modelling*

*Oral exam, presentation of projects*

The aim of this course is to analyse contemporary visual communication in order to develop a design method suited to the new technologies. The course will try to develop in the students the skill of providing coherent and creative design solutions to graphic and multimedia communication related problems.

The course is broken down into three parallel areas: monographic lessons dealing with key-topics of the discipline; *technical* lessons concerning professional methods for the realization of communicative products; practical work and group discussions regarding research topics set by the lecturer.

The main topics dealt with are:

- Visual communication: theoretic models and practical examples
- Signs, symbols, icons
- Images and stereotypes
- Perception and composition
- Communication: history and technology
- Mass communication
- Political propaganda
- Advertising
- new media communication
- color use and symbology
- typography, lettering, layout

### **3D Automatic Drawing ISIA-F DT3-DA6**

*3rd year*

*Lecture hours 50*

*Credits: 4*

*Binding exam combined with Product graphics*

*Oral exam, presentation of projects*

The course aims at providing students with a basic know-how of the IT tools that may be used for the realization of design projects. The course deals mainly with two-dimensional vector drawing and three-dimensional modelling and rendering.

The programs are used in close relation with the design courses for the execution of the projects. The technical projects the students produce using the IT tools available are subject to assessment.

### **Drawing and Form Analysis ISIA-F DT1 DR7**

*1st year*

*Lecture hours: 50*

*Credits: 4*

*Binding exam combined with Drawing Techniques*

*Oral exam, presentation of projects*

The Drawing and Form Analysis course involves research activity aimed at identifying those design components, which lead to the creation of a product.

This activity is a part of design methodology and concentrates on the analysis and design methods that are more suited to the project.

During the course, research experiences are faced and applied to industrial or artisan products that have been chosen for their functional, technological and aesthetic importance.

The required analysis concentrates mainly on:

- The historic/environmental contextualisation and definition of the “target” of the chosen product;
- Describing objects, or systems of objects, by means of sketches, photos and written notes;
- Freehand drawings indicating all of the formal, structural and functional features of the object;
- Analysis of the body/object relationship and the usage mode;
- Realisation of “preparatory modelmaking sketches” and measurement of the object;
- Instrumental drawing in the appropriate scale;
- Comparison of the chosen object with similar products.

The exam consists of presenting projects that outline the work carried out during the academic year and assessment involves examining the correct work methodology, its complexity and the completeness of the overall process.

### **Drawing Techniques ISIA-F DT1 TR26**

*1st year*

*Lecture hours: 50*

*Credits: 3*

*Exam in the 1<sup>st</sup> year combined with Drawing and form analysis*

*Presentation of projects*

- The synthetic representation of forms and volumes with the aim of achieving the condition of *saper guardare- knowing how to see*.
- Creating harmonious signs and symbols.
- Spontaneity and control.
- Synthetic reproduction of graphic structures.
- Perception and reproduction of colour tone values.
- Pencil hatching and shading of forms.
- Observing human anatomy and sketching of some volumetrically significant details.
- Creativity and observation.

### **Digital 2D and 3D Technical Drawing ISIA-F DT2 DT8**

*2nd year*

*Lecture hours: 50*

*Credits: 4*

*Binding exam combined with Design Methodology II with Physical Modelling*

*Written and oral exam*

The course provides functional teaching of design.

Research is carried out involving the analysis of industrial and artisan products that are related to the world of communication in the Design sector, with the aim of building critical interpretation skills applied to the production field. The students will face themes concerning different types of project representation, from the U.N.I. standards for technical drawings to the presentation of a professional drawing.

The first part of the course adopts a programme involving theoretic information and examples of graphic exercises, combining the study of the influence of the production system with drawing and dimensioning. The second part involves the application of the methodologies acquired to objects already in production and/or in the design phase. The said methodologies are taken from the parallel and previous curriculum activities, thus creating projects, which will be represented, in the final exam and all supported by the use of CAD.

### **Photography and post-production ISIA-F DT2 TCV25**

*1st and 2nd year*

*Lecture hours per year: 50*

*Credits per year: 4*

*Exam in the 2nd year combined with Illustration and Tools and techniques of communication*

*Oral exam, presentation of projects*

Photography as a visual arts technique: design, research, and the product, tied to everyday events. Basic photography techniques, how to determine the luminosity of the subject; how to calculate the light exposure, mechanisms for controlling light exposure; prospective performance in function of the optics; lighting techniques in studios, outdoors and with mixed light; and analysis of sensitive materials, film and paper; the treatment of photographic supports (negatives, slides, black and white and colour); dark room work; digital photography and post-production; gradual acquisition and in-depth study of the filming and printing techniques for autonomous production of images relative to a planned topic.

### **Descriptive and projective geometry ISIA-F DT2 GDP14**

*1st and 2nd year*

*Lecture hours per year: 62*

*Credits per year 5*

*Binding exam in the 2nd year*

*Oral exam, presentation of projects*

The teaching of Descriptive and Projective Geometry aims at training the mind, which is critically motivated, and that is necessary for transmitting rational messages tied to the properties of space. The first part of the course involves theoretic lessons where visual arts methods are acquired, not so much as mechanical and memory based systems, but more as analytic processes that identify vision and the description of space. The second part is based upon descriptive applications, both as a testing method, as well as an in-depth analysis of the topics that develop within the design related activities, in visual arts and in the modelmaking laboratories.

### **Product Graphics ISIA-F DT3 GP9**

*3rd year*

*Lecture hours: 62*

*Credits: 5*

*Binding exam combined with 3D Automatic Drawing*

*Oral exam, presentation of projects*

Graphics as a communication based project. This subject aims at providing a general knowledge of communicative processes and the visual language.

During the course themes creating close relations between design and visual communication are faced. The analysis of content, function and expressive functions acts as a value for activating tools and aims. Graphic devices and apparatus are compiled, i.e. the visual artefacts necessary for building the identity of products or companies. The concepts of image and identity are faced during the construction, use and promotion of the product.

Through the graphics, the use of signs, perception based codes and visual messages are assessed. The topics explore the space of composition, chromatic functions, and the space of the image as a structure that organises and orients the course of interpretation, the form of the writing as an expressive and communicative sign.

### **Illustration ISIA-F DT2 IL10**

*2nd year*

*Lecture hours 62*

*Credits: 5*

*Exam combined with Tools and techniques of Communication and Photography and Post-production*

*Oral exam, presentation of projects*

The course aims at offering the student tools and skills of expression and communication within the field of design and the techniques of visual arts, both in the creation phase and in the design in the context of *industrial design*, as well as in the design and realisation of images in the field of *graphics* and *communication design*, in order to learn the techniques of editorial illustration and *marketing*.

The activities are carried out in the classroom and they aim at helping the students, who are followed individually, to acquire their own valid professional identity, based upon character, style, culture and personal interests.

### **English ISIA-F DT2 IN12**

*1st and 2nd year*

*Lecture hours per year: 50*

*Credits per year 4, total 8*

*Exam in the 2nd Year*

*Written and oral exam*

This course aims at improving skills of the spoken language, as well as understanding technical-professional texts.

The programme ranges from a further study of the fundamental language functions based upon everyday experiences. In addition, lexicon is improved through the use of textbooks, the comprehension of specialised literature and the improvement of grammar and syntax.

### ***Physical Modelling Workshop – how it works***

The school can boast of a Workshop for Physical Modelling and for practical work with prototypes. The Design Methodology I, II, III with Physical Modelling courses as well as Design with Physical Modelling course are all carried out by means of various phases of traditional teaching methods as well as with co-lecturers according to the following modules:

- 1) The presentation of the programme and of the aims; the lecturers of all the study programme lecturers who are tied to the final exam take part in this phase, as well as the lecturers responsible for physical modelling;
- 2) Traditional lectures on the part of the lecturers responsible for the study programme;
- 3) Traditional lectures on the part of the lecturers responsible for physical modelling;
- 4) Co-lecture activities with the lecturer in charge of the study programme course and with the lecturer in charge of physical modelling;
- 5) Individual revision of the work carried out by the lecturer in charge of the study programme course;
- 6) Mid-course assessments and final tests where all the lecturers mentioned in point (1) take part.

The main teaching activities carried out in the Physical Modelling Workshop:

- 1) Understanding of the fundamental principles and the realisation of basic physical models;
- 2) Physical experiments on design solutions with eventual creation of prototypes;
- 3) Volumetric representation of the project.

The distribution of the lecture hours is laid down by the teaching staff according to the aims that are set out during the programming phase.

### ***Physical Modelling Workshop I – study topics***

The course is both a completion and an initial test of project related activities. It aims at favouring the student's perceptive development, volumetric and dimensional control and characterisation through the various degrees of evolution through physical modelling. It may also be an opportunity for direct design based experimentation thanks to the use of certain materials.

### **Physical Modelling Workshop II – study topics**

This course is broken down into progressive levels of study. The basic activities of the first two-year period aim at developing the necessary skills for three-dimensional visual arts – this is considered fundamental for understanding and communicating the project in question. At the same time the student undertakes a personalised course of study which is closely tied to the project, where the understanding of the techniques involving the construction of solids, the use of materials adopted in modelmaking, the examination of the principles used in the reproduction of objects, the use of machinery for rapid prototype production and the treatment of surfaces all contribute to creating a complete professional store of knowledge, offering above all, those operative tools indispensable in the design field. The main objective is that of creating a synergy between knowing and creating, which is the most effective way of responding to the current professional demands.

### **Mathematics for Design ISIA-F DT1 IM13**

*1st year*

*Lecture hours: 50*

*Credits: 4*

*Binding exam, combined with Information technology for design*

*Written and oral exam*

The course aims at achieving three targets: the first involves consolidating the preparation of basic mathematics in order for the student to acquire those skills and competences necessary for formalising first of all, and secondly, for solving the problems of calculus, optimisation and selection; the second aim is to offer students ideas and views regarding the considerable creative and aesthetic components that are present in many sectors and mathematical applications. Finally, the third objective is that of understanding the fundamental elements and innovation regarding fuzzy logic, examining some of the various resulting implications, both from a technical point of view and from the point of view of applications in the industrial field.

The course deals with various topics:

- Teaching of basic mathematics, traditional logic, geometry, and trigonometry;
- Analysis elements and linear algebra: the theory of succession, elements of function analysis in one or more variables, N-dimensional spaces;
- Elements of physical mathematics relative to finding the centre of mass of a physical system;
- Elements of fuzzy logic;
- Applications.

### **Design Methodology I with Physical Modelling ISIA-F DT1 MPM15**

*1st year*

*Lecture hours 125*

*Credits: 10*

*Binding Exam*

*Oral exam, presentation of projects*

#### **First Part**

This is a theoretic and practical course dealing with the main concepts that are at the basis of design know-how. Concepts such as: research-design, invention-design, creativity-imagination and again drawing-design, model, measurement and method are all fundamental tools of the discipline; for each of these, at the same time as an interpretation based course, all application based skills are tested though brief practical exercises which develop the initial skills of the student dealing with form and its visual representations.

#### **Second Part**

The objective is to deal with one or more design based courses of study that present a limited number of variables. Topics that make use of paper, cardboard and corrugated cardboard all introduce the “material” based variable and the related technologies, in part with regard to packaging, but also by experimenting application extensions of the materials in games, furniture and displays.

### **Design Methodology II with Physical Modelling ISIA-F DT2 MPM16**

*2nd year*

*Lecture hours 126*

*Credits: 10*

*Binding exam combined with Technical Drawing*

*Oral exam, presentation of projects*

The Design Methodology course features orientation based educational activities, which lead the student towards acquiring autonomous design competences. At the same time, gaining a preparation founded upon a series of practical exercises and theory-information is provided dealing with the main design issues. The teaching of the subject is intended therefore as a methodological course of study through research, tests and projects having the aim of acquiring those instrument based skills through which the “project” is communicated.

Every month group tests are held on the activities undertaken. To follow there are individual tests during which the work is assessed according to the following criteria: respect of the topic, the capacity to research and to elaborate upon the topic through research, documentation compilation skills, intuitive skills and expressive graphic skills, initial analysis and final synthesis skills.

The exam consists of the presentation of a brochure containing all of the documentation produced during the academic year.

### **Design Methodology III with Physical Modelling ISIA-F DT3 MPM17**

*3rd year*

*Lecture hours 125*

*Credits 10*

*Oral exam, presentation of projects*

The students work independently and professionally on issues of design and applied research for both traditional ceramic materials and innovative materials.

There is a collection of teaching experiences gained in previous years and aimed to the themes and opportunities that will be the subject of future professionals’ first steps in the world of design. Valuation is based on projects innovation and completeness.

### **Industrial Ceramic Processes ISIA-F DT3 PIC18**

*3rd year*

*Lecture hours 50*

*Credits: 4*

*Mid-course test, Oral exam*

The course analyses the main industrial productions of the ceramics sector. All the single phases are illustrated where the industrial production processes are broken down, aiming in particular at highlighting the aspects that have the greatest influence on design, in relation to the limits and to the possibilities that the various materials and their processing techniques offer. The course can also boast of providing guided tours of production plants.

### **Industrial Metals and Polymers Processes ISIA-F DT3 PMP19**

*3rd year*

*Lecture hours 62*  
*Credits: 5*  
*Oral exam*

This course aims at placing the students in contact with those issues tied to processing and the rational use of materials of a polymer and metal nature and to transmit the main assessment elements of the design and production solutions, paying particular attention to the thermo-plastic materials and to injection moulding.

The main topics refer to the most popular design material processing technologies, to their general characteristics, to their particular qualities, to the usage limits and to the main sectors of application. The objectives according to which the learning approach is based, aim at the realisation of a balance between theoretic knowledge and technical-professional applications and the acquisition of experience with the industrial production world. What is more, the structure of the course involves the integration of traditional teaching methods with the contribution of experts from the industrial sector. The conventional lectures are integrated with tours of production plants and with frequent lectures by technical staff from the companies. These initiatives aim at highlighting the basic methodologies as well as some of the particular technological methods that cannot be ignored by the operators of the design sectors.

### **Materials Science ISIA-F DT1 SM20**

*1st year*  
*Lecture hours 75*  
*Credits: 6*  
*Binding Exam*  
*Oral exam*

This course aims at introducing know-how regarding nature and chemical, physical and technological properties of the various materials in view of their use in design and in relation to the chemical and physical phenomena, to the production processes and possible applications.

Following a presentation of the fundamental basics of materials intended as a scientific study, a panorama of the materials is provided through their definition and classification. Finally the exam is taken following an investigation of the most important properties involving current uses and in the relative perspective.

The course also wants to provide knowledge of the environmental properties, as well as offering the tools for organising the relative information in reference to production processes and to the life cycle of the products and to select organisational and technological solutions as the conditions for sustainable development.

### **Semiotics for design ISIA-F DQT1 SE21**

*1st year*  
*Lecture hours 50*  
*Credits: 4*  
*Practical and/or oral exam*

The subject aims to provide students with the knowledge of analytical and interpretative tools which are needed to understand the "meaning" of cultural facts belonging to the past and the present worlds, with special attention to design and project fields in their various manifestations, technical as well as aesthetic. From the methodological viewpoint, in addition to theoretical lectures the subject can provide a series of practical lectures dedicated to exercises of experimental semiotics in which students are required to deliberately change and creatively re-organize the sign structure of cultural products, especially of designs in its various manifestations (artifacts, graphic compositions, installations, etc.).



### **History of contemporary art ISIA-F DT2 SA24**

*1st and 2nd year*

*Lecture hours per year: 50*

*Credits per year: 4*

*Binding exam in the 2nd year*

*Oral exam*

In considering the school's operative orientation, the Art History programme is offered as a "workshop" of ideas, which support the teaching, that then directly deal with the operative issues. The programme involves, in particular contemporary art (from the end of the nineteenth century to the modern day) and tends, above all to reflect upon the mechanisms of artistic production (techniques, materials, languages, etc.), thus helping the students to face all those issues tied to making art. The course is held with an extensive use of visual material (slides) and there is an exam at the end of the two-year study programme.

### **History and critique of contemporary design ISIA-F DQ3 SD2 23**

*3rd year*

*Lecture hours 50*

*Credits: 4*

*Binding exam*

*Oral exam*

In reflecting upon the interdisciplinary nature of industrial design it is possible to find an equivalent in history as a confluence of several main historic eras, which are interconnected and aimed towards the centre of Design integration: history developed through the "form" based component of the object, with a reference to the figurative theories, and the role of the object itself as a vehicle for the communication of its own image; an advanced history dealing with the principles of technology and the production processes related to materials; a further history inherent to the context of the use of the object and to the lifestyles of the post-modern and transcultural society.

### **History and culture of design ISIA-F DT2 SD1 22**

*1st and 2nd year*

*Lecture hours per year: 50*

*Credits per year: 4*

*Exam in the 2nd year*

*Oral exam*

- William Morris and Arts and Crafts
- Liberty (Art Nouveau, the Vienna Secession, Belgian and English movements, Galileo Chini's ceramics)
- The revolution of style introduced by the historic avant-garde movements
- The design of the 'Second Futurism' and the 'futurist ceramics' in Faenza
- Art Déco
- Rationalism: Adolf Loos, Peter Behrens, the Werkbund, the Bauhaus, the Ulm school
- Design in the U.S.A.: Streamlining, Furniture Design
- Design in Scandinavia
- Italian design in the fifties, with particular reference to the work of Carlo Molino
- The sixties in Italy: Rationalism and Radical Design
- The Post-modern movement and design in the eighties: the Neomercé, Alchymia and Memphis designers as well as European and American experiences
- The nineties: ecological design, design and new technologies, approaches to design and to new materials.

### **Tools and techniques of communication ISIA-F DT2 CV3**

*2nd year*

*Lecture hours: 50*

*Credits: 4*

*Exam combined with Illustration and with Photography and post-production presentation of projects*

This course provides basic knowledge of the main graphic software programs and pays close attention to the design methodology employed for visual communication. The students learn about post-production image and layout software with the aid of computers of appropriate power.

The students develop their knowledge of lettering and character classification, as well as practical work with various types of photo touch-ups.

As far as the in-depth learning of the new communication systems is concerned, several multimedia experiences are taken into consideration for the creation of CD-ROM and Internet interfaces.

### **Information technology for design ISIA-F DT1 IB11**

*1st year*

*Lecture hours 38*

*Credits 3*

*Binding exam, combined with Mathematics for design*

*Practical test*

The study of the most common operative systems, networks and applications.

### **Ceramics Technology ISIA-F DT2 TC27**

*2nd year*

*Lecture hours 50*

*Credits: 4*

*Binding exam combined with Metals Technology and with Polymers Technology*

*Oral exam*

Issues relating to the relationship between technological know-how and solving design related problems. Historic details of the ceramics civilisation. The clay-water system, colloidal properties. The fluxing and defluxing of clays. Behaviour of a slip; control parameters. The plastic properties of clay bodies; the Bigot curve.

Casting methods of ceramic products.

Drying phenomenology; the drying phases of ceramic bodies.

The difference between porous and compact ceramics: basic formulae.

Phenomenon that takes place during the firing of porous ceramics: the principle final phases.

Phenomena that take place during the firing of compact ceramics.

Basic production technologies of vitreous products and of vitreous claddings.

Basic production technologies of the main families of traditional ceramic materials.

Basic experience in a technological ceramics laboratory.

Systematic description of the fundamental silicate ceramics.

### **Metals Technology ISIA-F DT2 TM28**

*2nd year*

*Lecture hours 50*

*Credits: 4*

*Binding exam combined with Ceramics Technology and of Polymers Technology*

*Oral exam*

Materials and processes. Criteria of selection. The mechanical properties of metallic materials. Metals in design. Moulding through melting and casting. Casting techniques. Solidification morphologies. Microstructure of the casts.

Casting defects and solutions.

Moulding through plastic deformation: classification of the processes. Hot and cold moulding. Sheet metal moulding. Microstructure and properties of moulded products.

Moulding through material exportation. Processing with chip moulding. Cutting machines and tools: Electro-corrosion, electro-erosion through high-energy laser cutting.

Junction techniques. Mechanical assembly. Welding and brazing. Gluing with adhesives.

Surface finishing of metal products. Techniques involving the modification of the surface texture.

Protective and decorative treatments and cladding.

## **Polymers Technology ISIA-F DT2 TP29**

*2nd year*

*Lecture hours 50*

*Credits: 4*

*Binding exam combined with Metals Technology and with Ceramics Technology*

*Oral exam*

The course is broken down into the following subjects:

-structure and properties of polymers:

homopolymers, copolymers; crystallisation, crystallinity; behaviour in the vitreous and rubber state, elastomers and elastomers; correlation between structural-molecular properties and physical, rheological, mechanical and applicative characteristics;

-technology:

homopolymers, copolymers, foam, elastomers, reinforced materials, technopolymers, thermosetting materials;

-recycling, recovery, reuse.

## **Theory of Perception ISIA-F DT1 TPR30**

*1st year*

*Lecture hours 62*

*Credits: 5*

*Oral and practical tests*

What is the meaning for "seeing"?

The way we think depends on the way in which we see the surrounding world, and vice versa.

The theory of visual perception course analyses the phenomena of perception. Its objective is to provide students with the instruments necessary to acquire awareness of the mental processes which are connected to the elaboration of images. Vision is not a mechanical recording of sensory stimuli, it corresponds with a creative way of grasping reality, a mutual exchange between the object and the nature of the observer.

We will analyse the phenomena of awareness by studying visual perception with, in my opinion the fundamental text, R. Arnheim's book "Art and Visual Perception", which we will refer to throughout the course. Balance, composition, form, space, light, colour and movement will be the fundamental themes which we will develop in the lessons.

In order to discover which psychological principles produce in us an effect of the world, we will look at the mechanisms of vision as analysed by the psychology of perception, referring repeatedly to "Eye and Brain" by R. L. Gregory. Regarding analyses connected to aesthetics and history of art, we will follow some of E. H. Gombrich's texts, paying particular attention to "The Sense of Order". Next, we will analyse the guidelines of contemporary phenomenology. And then, in order to acquire a certain familiarity with artistic language, we will look at the works of ancient and modern authors, with the objective of affirming an appropriate visual culture. We will also carry out more practical

research with workshop exercises designed to help our understanding of the concepts learnt at theory level. The work done will be assessed.

In addition to the notes which I will prepare and give out in every lesson, I will also provide extracts from the texts of various authors. Far from being exhaustive, the notes will be outlines to be expanded on through the reading of the texts.

The aim of the course:

-to enrich awareness of seeing!

-to eliminate the "...veil of the Maya which clouds our vision"!

## **CURRICULAR OPTIONAL COURSES – OUTLINE OF COURSES**

### **PRODUCT WORKSHOP ISIA-F DT3 AP2**

#### **Automotive design**

The course has as its theme the development of design projects related to the field of transportation. Students work in groups and create vehicle concepts 2/4 wheels through research, freehand drawing and realization of three-dimensional models.

#### **Fashion**

Clothing design course that, after approaching the history of fashion aspects of the XX century, develops a range of research based issues tied to the more recent sociological costume studies.

The course examines the actual roots of the behaviour involving the society's employment of well-being and its complex interactions with the third worlds that interact in the developing globalised society.

A specific section is dedicated to the executive technologies of the industry and the organisation of fashion shows, where the task is to illustrate the results of the researches even to a profane public.

#### **Rhinoceros**

the workshop's theme is the study of 3d modeling program Rhinoceros, and the deepening of parametric and polygonal modeling.

### **COMMUNICATION WORKSHOP ISIA-F DT3 AC1**

students work in a professional way on issues of graphic design and applied research, choosing between different topics and areas of action that are made available each year.

## **ADDITIONAL COURSES - OUTLINE OF COURSES**

#### **Polymer Industry ISIA-F AI IP**

Specific support for the Metal and Polymer Industrial Processes course, involving company visits and contributions by experts of the sector.

#### **Community Languages ISIA-F AI LC**

Italian course for incoming students.

#### **ERASMUS Tutoring ISIA-F AI TE**

Support for the educational organisation of outgoing and incoming mobile students.