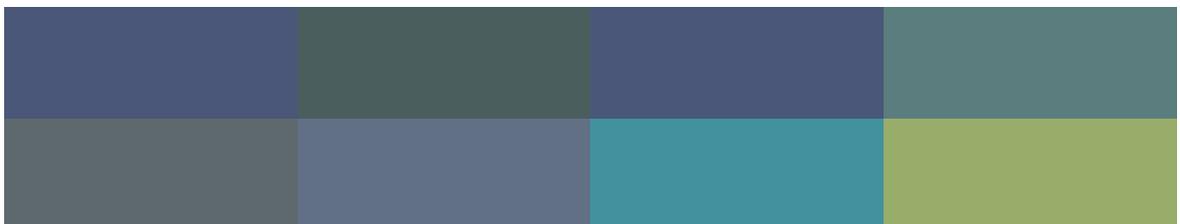


**COURSES  
IN DESIGN  
LODZ  
UNIVERSITY  
OF TECHNOLOGY**





## Contents:

Lodz University of Technology	4
Faculty of Material Technologies and Textile Design	7
Institute of Architecture of Textiles	8
Courses in Design	
BA in Design	12
Specialisations:	
Textile Design	16
Fashion Design	22
Visual Communication and Printing Techniques	28
MA in Design: Textile Design, Fashion Design, Visual Communication and Printing Techniques	34
City of Lodz	36
Contact	37

# LODZ UNIVERSITY OF TECHNOLOGY



The history of Lodz University of Technology is strictly connected with the history and development of the industrial Lodz and especially the rapid development of textile industry since the second half of 19<sup>th</sup> century till the decline of the communist era. Plans of establishing a technical institution of higher education in Lodz were to be fulfilled in 1865, but unfortunately, due to complicated political situation, the Partitions of Poland and two World Wars, it was no sooner than in May 1945, that the idea finally came into existence.

Today Lodz University of Technology consists of 10 faculties, offering 36 fields of studies to over 20 thousand students:

Faculty of Mechanical Engineering

Faculty of Electrical, Electronic, Computer and Control Engineering

Faculty of Chemistry

**Faculty of Material Technologies and Textile Design**

Faculty of Biotechnology and Food Sciences

Faculty of Civil Engineering, Architecture and Environmental Engineering

Faculty of Technical Physics, Information Technology and Applied Mathematics

Faculty of Organization and Management

Faculty of Process and Environmental Engineering

The profile of education at TUL combines knowledge of basic sciences, technical sciences, specialist subjects with the issues in the area of organisation and management, economics, banking, marketing, and in arts. Degree programmes are provided as first degree or/and second degree programmes (according to the European Credit Transfer System (ECTS) and doctoral studies.

The International cooperation includes student exchange, scientific and research projects. Technical University of Lodz cooperates with over 300 institutions in 40 countries.

For more information see:  
<http://www.p.lodz.pl/materialy-promocyjne/Lodz-University-of-Technology/index.html#/1/>





## Faculty of Material Technologies and Textile Design

The Faculty was founded in 1947 and for a long time it was known as the Textile Faculty. Due to the changes on the job market in the region, educational offer has been modified and developed. Modern trends in industrial design, new technologies, material innovations and new subjects concerning biomaterials, nanocomposites, wearable electronics or advanced human-friendly material technologies has broaden research interests and teaching curriculum of the Faculty. Currently, branches of study at the Faculty include: Textile Engineering, Design, Health and Safety at Work.

For more information see the Faculty website:  
<http://www.style.p.lodz.pl/lang/2/119/120/>

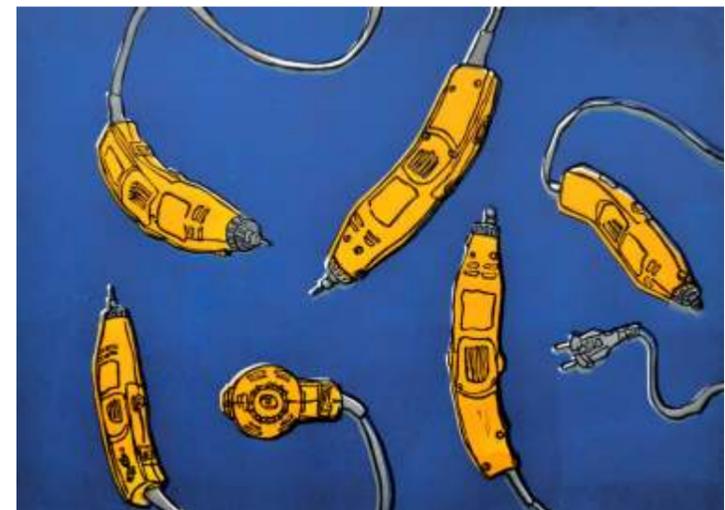


# INSTITUTE OF ARCHITECTURE OF TEXTILES

Institute of Textiles Architecture, located at the Faculty of Material Technologies and Textile Design at the Technical University of Lodz, is a research and teaching unit responsible for BA and MA Design courses in Textile Design, Fashion Design and Visual Communication and Printing Techniques.

## Idea

The mysterious world of textiles has always inspired designers to create, modify and enrich various elements, structural details, textures and symbolic connotation of its items. Plenty of meaning and expression carried through textiles has made our close environment more interesting, polysemantic and desirable. Beautiful, harmonious organisation of space through the 'architecture' of textiles, colours, patterns, constructions and textures – informed various historical styles as a coexistence of artistic vision and utilitarian approach. The 'architecture of textiles', a term coined by professor Janusz Szosland – one of founders of the Institute, refers to the close relationship between humanistic and technical aspects permeating design process and to the character of interaction between us – creators, users, consumers, collectors – and the world of textiles, our 'natural' environment. Such an approach to the processes and products of design has also extended to other paths of education in our Institute: fashion design and visual communication, treated as aesthetic and functional multilayered 'constructions' supporting our everyday life.



## Head of the Institute of Architecture of Textiles: Prof. Józef Masajtis

### Teaching and research areas:

#### Department of the History and Theory of Design

- Methodology and theory of design,
- History of industrial design,
- Methodology of documentation of historical textiles,
- Textile design,
- Tapestry and fibre art.

#### Department of Woven Textiles

- Weaving technology,
- Woven textiles and products,
- Textile structures for the reinforcement of composites and special applications.

#### Department of Clothing and Textronics

- Physical and biophysical properties of clothing,
- Combination of textile technology with advanced electronics and computer science, metrology and automation,
- Computer modelling and simulation.

#### Department of Visual Arts

- General art education – painting, drawing, sculpture, graphic art, photography,
- Textile and fashion design, visual communication and printing techniques, product design,
- History and theory of art and design.



# BA IN DESIGN

## Graduate Profile

After completing the first degree (BA) Design course at the Institute of Textiles Architecture graduates have acquired practice-related knowledge of art, humanities and technology necessary for their future career as product designers. They are prepared to work in design teams or individually as artists or freelance designers. Graduates have command of foreign language at the level B2 of The Common European Framework of Reference for Languages (CEFR) and should be able to communicate easily in design-related matters. Graduates are also prepared to enter the second degree course (MA) in Art and Design.

## Programme Contents and Objectives

### A. Basic Contents

#### 1. History of Art, Design and Cultural Theory

(the most important phenomena and processes in the history of art and culture: epochs, styles, objects, artworks and artists)

Objectives: understanding of the chain of processes and changes in art and culture and of the specific role of design within the theory and practice of art; observing the specific cultural and historical context of artworks and design objects; applying cultural similarities and differences in the creation of one's own artistic identity

**2. Art Practice** (observation, interpretation and composition in drawing, painting, sculpture, printmaking and new media)

Objectives: ability to use tools and

techniques of various artistic media, enhancing visual sensibility and awareness, creativity and manual skills

#### 3. Techniques supportive in design

**process** (forms and methods of presentation, drawing, modelling, prototyping, computer-aided design)  
Objectives: recording and communicating design ideas in writing, verbal and visual presentations, using computer programmes

**4. Human Factors** (man-object ergonomic system, elements of anthropometry, anatomy, physiology and psychology)  
Objectives: understanding and applying information about human factors in design coming from ergonomics, anthropometry, anatomy, physiology and psychology

**5. Design Theory** (methods and techniques of problem solving in design; historical context; role of the designer in economy; team building)

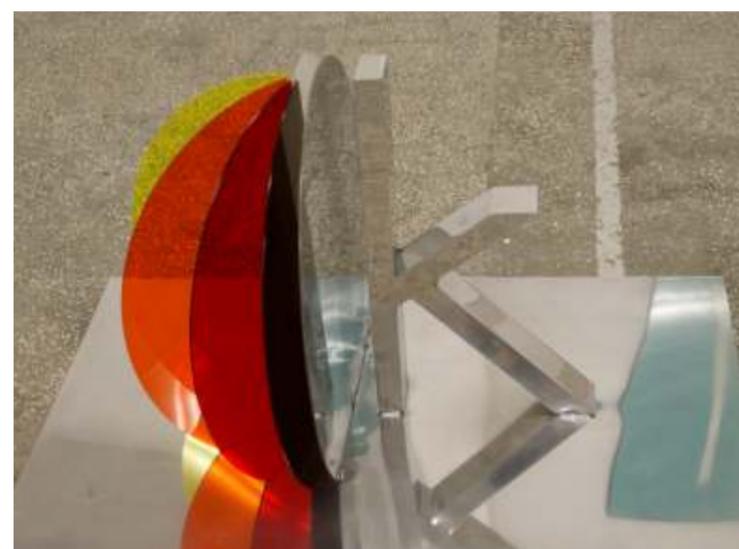
Objectives: formulating, analysing and methodical solving design problems and tasks; applying supportive techniques in design; estimating and verifying design solutions; ability to work in teams (including interdisciplinary teams)

**6. Technical Knowledge** (constructions; production technologies; materials science; economics of products and materials production)

Objectives: applying technical knowledge in design practice

### B. Specialisation Contents

**1. Basic Design** (form and function in relation to aesthetic values; scientific



methodology and intuition in design; innovation)

Objectives: efficient and innovative application of basic design methods and tools

**2. Multi-aspect Design** (analysis and synthesis of functional, ergonomic, construction, technological, aesthetic and economic issues in design)

Objectives: using methods and procedures combining functional, ergonomic, construction, technological, aesthetic and economic aspects of design; ability to work in interdisciplinary teams and projects

### External training

External training as a part of the study programme should last minimum 6 weeks, consisting of 2 week open-air art practice and of 4 week work placement in design industry.



Exhibition THE LOOK OF THE YEAR 2013

# SPECIALISATIONS

# TEXTILE DESIGN

## Description:

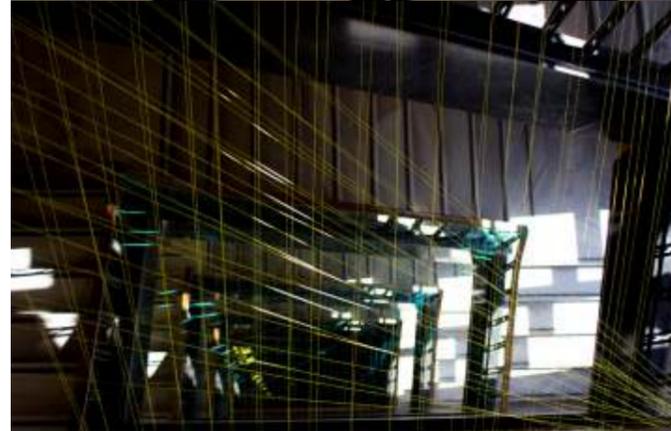
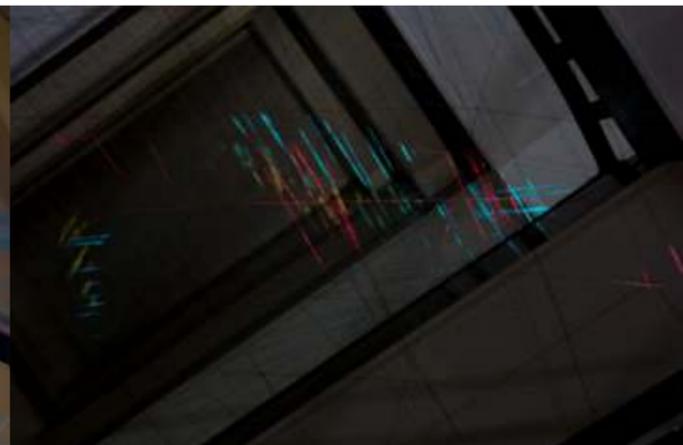
Students of this specialisation acquire and develop knowledge and skills indispensable for their future career as designers of textile objects and can work in many branches of textile industry. The most vital aspects of the curriculum include:

- Creation of expressive visual forms in various media
- Observing and creating connections between properties of fabric materials and functions of design objects
- Analysis of market trends
- Introduction to problems and tasks within the field of textiles design with reference to form and function of products and sociocultural aspects of design
- Creative assignments regarding function, structure and construction, form and decoration, fabrics, patterns and textures in textiles design
- Creative design problems solving
- Integration of the scientific, technical and aesthetic approaches to design process, taking into consideration needs and expectations of the target group of users
- Analysis of the existing and emerging textile design trends based on the acquired visual sensibility and technical/technological knowledge

- Application of traditional and new technologies and tools in search for the best design solutions
- Project realisations (models, prototypes)

Acquired knowledge and skills enable graduates of this specialisation to link creatively artistic, technical and technological aspects of textile design. Graduates are prepared to address correctly needs and expectations of different markets but also to suggest innovative solutions based on their technical and technological knowledge.





# SPECIALISATIONS

## TEXTILE DESIGN

### BA in TEXTILE DESIGN

Modules ECTS Hours

#### SEMESTER 1

Drawing I	5	75
Basic composition I	3	30
Sculpture I	3	30
History of art	4	60
Theory of design	3	30
Chemistry	4	45
Applied physics	4	45
Computer graphics	4	60
<b>in total</b>	<b>30</b>	<b>375</b>

#### SEMESTER 2

Painting I	3	60
Basic composition II	3	45
Aspects of creative design I	2	45
Drawing II	3	45
Artistic graphics I	2	45
Sculpture II	4	60
Multi-aspect design	3	45
Materials science	3	60
Optional module	3	45
Foreign language II	4	60
Sports	1	30

#### Optional modules:

History of design	3	45
History of clothing	3	45
History of textiles	3	45
<b>in total</b>	<b>31</b>	<b>540</b>

#### SEMESTER 3

Painting II	5	90
Aspects of creative design II	3	45
Psychological aspects of visual perception	2	45
Drawing III	3	60

Technical drawing	1	15
Design aspects in threads technology I	2	30
Design aspects in nonwoven fabrics technology I	3	45
Materials science of textiles	4	60
Artistic graphics II	3	45
Foreign language III	4	60
Sports	1	30
<b>in total</b>	<b>31</b>	<b>525</b>

#### SEMESTER 4

Painting III	3	60
Product design	2	30
Architectural textile design I	5	105
Design aspects in threads technology II	3	45
Design aspects in non-woven fabrics technology II	2	30
Special and modified fibroplastic materials	3	45
Special fibres	1	15
Product research in textiles	3	60
Ergonomics	2	30
Information Technologies	2	30
Foreign language III	4	60
Foreign language certificate	0	0
Sports	1	30
<b>in total</b>	<b>31</b>	<b>540</b>

#### SEMESTER 5

Architectural textile design II	7	120
Design aspects in fabric technology I	3	45
Design aspects in knitted fabric technology I	3	45
Digital art projects I	3	60
Packaging and customising of textiles	3	45

Textiles in the organisation of public space I	3	60
Chemical improving of textile properties	3	45
Chemical modelling of textiles	3	60
Art training - open-air	2	0
<b>in total</b>	<b>30</b>	<b>480</b>

#### SEMESTER 6

Computer art projects II	5	60
Computer-aided design	8	120
Team building for design	5	60
Private company management I	5	60
Copyright law	1	5
Photography and presentation techniques I	6	45
<b>in total</b>	<b>30</b>	<b>350</b>

#### SEMESTER 7

Photography and presentation techniques II	3	45
Design aspects in fabrics technology II	2	45
Design aspects in knitted fabrics technology II	2	45
Architectural textile design III	3	75
Textiles in the organisation of usable space II	2	60
Private company management II	2	45
Design work placement	4	160
Diploma seminar	2	30
Bachelor dissertation	10	10
<b>in total</b>	<b>30</b>	<b>515</b>



# SPECIALISATIONS

# FASHION DESIGN

## Description:

Students of this specialisation acquire and develop knowledge and skills indispensable for their future career as fashion designers, stylists, designers in the textile sector of industry. The most vital aspects of the curriculum include:

- Creation of expressive visual forms in various media
- Introduction to problems and tasks within the field of fashion design with reference to form and function of products and sociocultural aspects of design
- Creative assignments regarding function, structure and construction, form and decoration, fabrics, patterns and textures in fashion design
- Integration of the scientific, technical and aesthetic approaches to design process, taking into consideration needs and expectations of the target group of users
- Analysis of the existing and emerging fashion trends based on the acquired visual sensibility and technical/technological knowledge
- Application of traditional and new technologies in search for the best design solutions
- Project realisations

Acquired knowledge and skills enable graduates of this specialisation to link creatively artistic, technical and technological aspects of fashion design. Graduates are prepared to address correctly needs and expectations of different markets but also to suggest innovative solutions based on their technical and technological knowledge.





# SPECIALISATIONS FASHION DESIGN

## BA in FASHION DESIGN

Modules	ECTS	Hours
<b>SEMESTER 1</b>		
Drawing I	5	75
Basic composition I	3	30
Sculpture I	3	30
History of art	4	60
Theory of design	3	30
Chemistry	4	45
Applied physics	4	45
Computer graphics	4	60
<b>in total</b>	<b>30</b>	<b>375</b>
<b>SEMESTER 2</b>		
Painting I	3	60
Basic composition II	3	45
Aspects of creative design I	2	45
Drawing II	3	45
Artistic graphics I	2	45
Sculpture II	4	60
Multi-aspect design	3	45
Materials science	3	60
Optional module	3	45
Foreign language I	4	60
Sports	1	30
<b>Optional modules:</b>		
History of design	3	45
History of clothing	3	45
History of textiles	3	45
<b>in total</b>	<b>31</b>	<b>540</b>
<b>SEMESTER 3</b>		
Painting II	5	90
Aspects of creative design II	3	45
Psychological aspects of visual perception	2	45

Drawing III	3	60
Technical drawing	1	15
Fashion design I	3	45
Clothes constructing and modelling I	3	60
Materials science of clothing	3	60
Artistic graphics II	3	45
Foreign language III	4	60
Sports	1	30
<b>in total</b>	<b>31</b>	<b>555</b>

<b>SEMESTER 4</b>		
Painting III	3	60
Fashion design II	6	90
Product design	2	30
Fashion drawing and collection styling	4	60
Fashion ergonomics	1	15
Clothes constructing and modelling II	6	90
Textronics in fashion design	2	30
Information technologies	2	30
Foreign language III	4	60
Foreign language certificate	0	0
Sports	1	15
<b>in total</b>	<b>31</b>	<b>495</b>

<b>SEMESTER 5</b>		
Textile technologies	7	150
Colour management in clothes	2	30
Fashion design III	6	90
Clothes constructing and modelling III	4	60
Clothes project realisation	5	90
3D computer modelling	4	60
Art training - open-air	2	0
<b>in total</b>	<b>30</b>	<b>540</b>



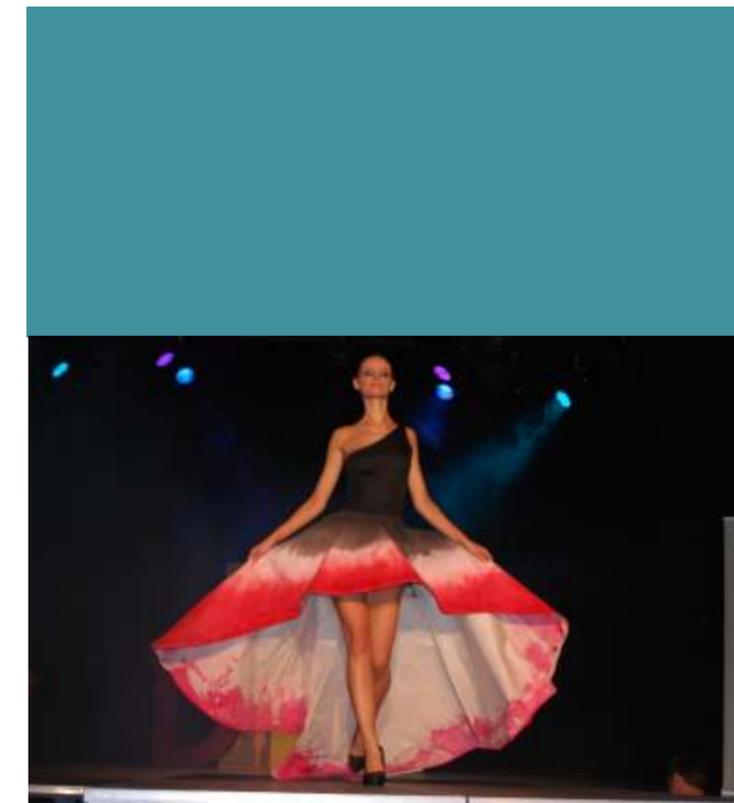
## SEMESTER 6 - mobility semester (ECTS 30)

Suggested modules:

Computer-aided fashion design	4	60
Creation of project teams	5	60
Fashion design IV	7	90
Private company management I	5	60
Copyright law	1	5
Photography and presentation techniques I	6	45
<b>in total</b>	<b>30</b>	<b>350</b>

## SEMESTER 7

Photography and presentation techniques II	3	45
Physical aspects of clothes	3	75
3D fashion object visualisation	6	45
Textile care	2	30
Sociological aspects of fashion design	1	15
Private company management II	2	45
Diploma seminar	2	30
Bachelor dissertation	10	10
Design work placement	4	160
<b>in total</b>	<b>30</b>	<b>455</b>



# SPECIALISATIONS VISUAL COMMUNICATION AND PRINTING TECHNIQUES

## Description:

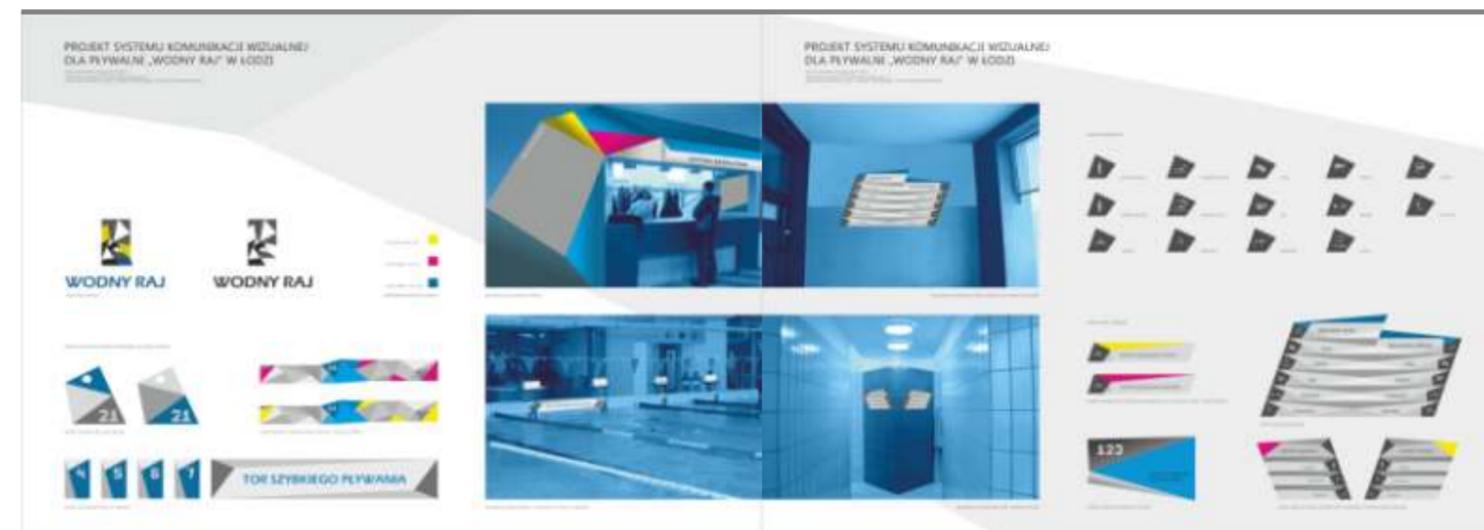
Students of this specialisation acquire and develop knowledge and skills indispensable for their future career as designers of visual communication in various contexts of social life.

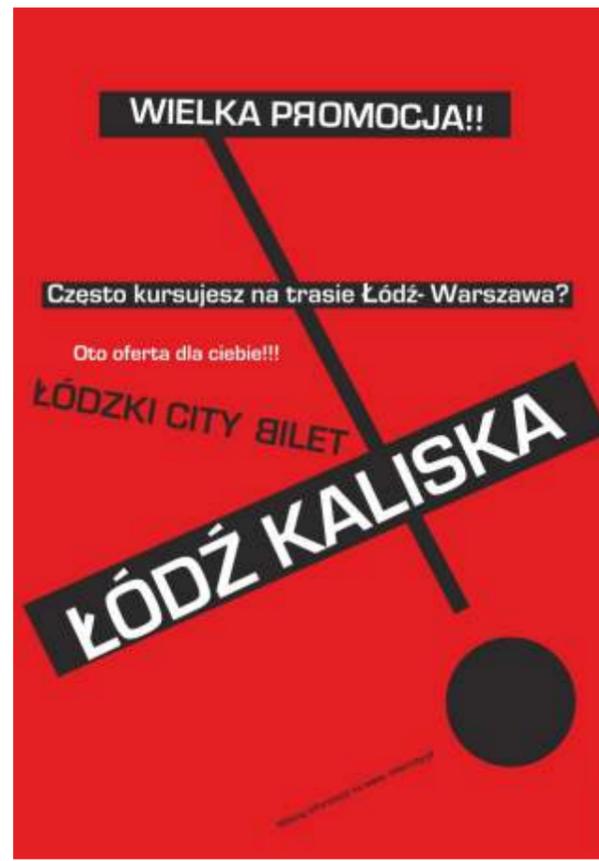
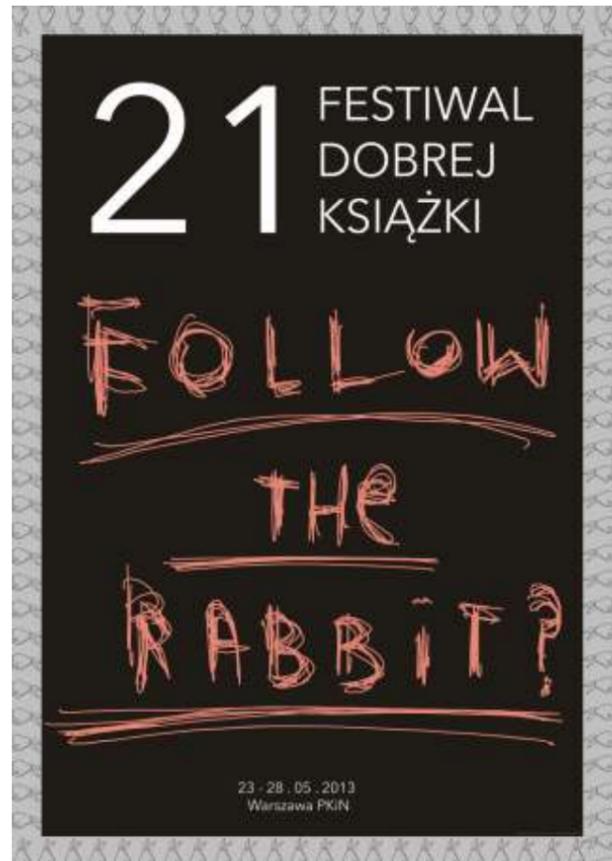
The most vital aspects of the curriculum include:

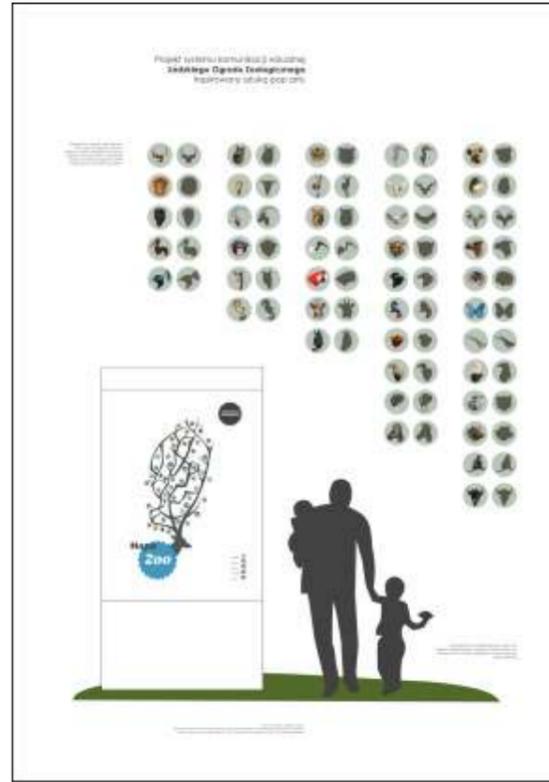
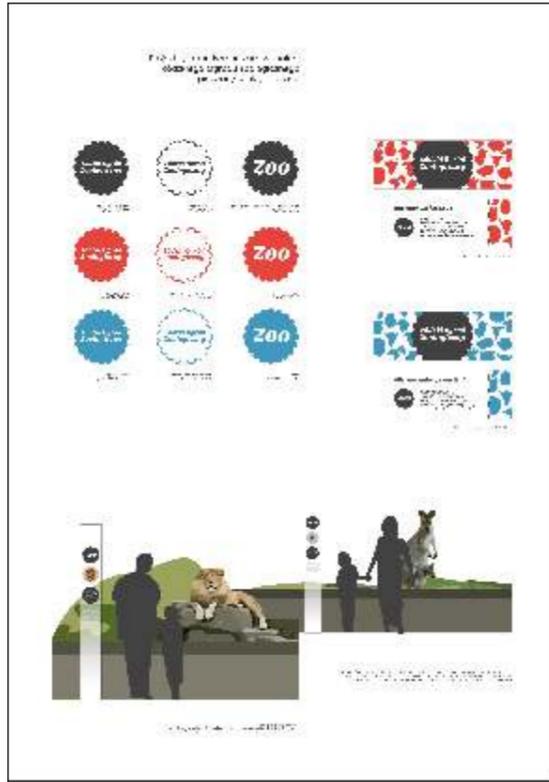
- Creation of expressive visual forms in various media
- Introduction to problems and tasks within the field of visual communication with reference to form and function of products and sociocultural aspects of design
- Creative assignments regarding function, structure and construction, form and decoration of the items of visual communication
- Integration of the scientific, technical and aesthetic approaches to design process, taking into consideration needs and expectations of the target group of consumers/users

- Analysis of the existing and emerging trends in visual communication based on the acquired visual sensibility and technical/technological knowledge
- Application of traditional and new technologies in search for the best design solutions

Graduates of this specialisation are prepared to pursue careers in the creative industry, not necessarily connected with textile or fashion design, as art directors, graphic designers, illustrators or digital artists.







## BA in VISUAL COMMUNICATION and PRINTING TECHNIQUES

Modules	ECTS	Hours
<b>SEMESTER 1</b>		
Drawing I	5	75
Basic composition I	3	30
Sculpture I	3	30
History of art	4	60
Theory of design	3	30
Chemistry	4	45
Applied physics	4	45
Computer graphics	4	60
<b>in total</b>	<b>30</b>	<b>375</b>
<b>SEMESTER 2</b>		
Painting I	3	60
Basic composition II	3	45
Aspects of creative design I	2	45
Drawing II	3	45
Artistic graphics I	2	45
Sculpture II	4	60
Multi-aspect design	3	45
Materials science	3	60
Optional module	3	45
Foreign language II	4	30
Sports	1	30

<b>Optional modules:</b>		
History of design	3	45
History of clothing	3	45
History of textiles	3	45
<b>in total</b>	<b>31</b>	<b>540</b>

<b>SEMESTER 3</b>		
Painting II	5	90
Aspects of creative design II	3	45
Psychological aspects of visual perception	2	45
Drawing III	3	60
Technical drawing	1	15
Materials science of visual communication I	4	60
Lettering	1	15
Sociological aspects of visual communication	1	15
Artistic graphics II	3	45
Techniques and technologies of print I	3	60
Foreign language II	4	60
Sports	1	30
<b>in total</b>	<b>31</b>	<b>540</b>

<b>SEMESTER 4</b>		
Painting III	3	60
Product design	2	30
2D Graphic design	5	90
Materials science for visual communication	5	90

Techniques and technologies of print II	3	45
3D graphic design I	6	90
Information technologies	2	30
Foreign language III	4	60
Foreign language certificate	0	0
Sports	1	30
<b>in total</b>	<b>30</b>	<b>510</b>

<b>SEMESTER 5</b>		
Visual communication design I	8	120
Colour management in visual communication	3	45
Chemical modelling of textiles	4	75
Selected issues of printing industry	3	45
Electronics in visual communication	2	30
Ergonomics of visual communication	1	15
Constructions and technologies in visual communication	5	90
3D graphic design II	2	30
Art training - open-air	2	0
<b>in total</b>	<b>30</b>	<b>450</b>

<b>SEMESTER 6</b>		
<b>Suggested modules:</b>		
Computer-aided design	5	60
Creation of project teams	5	60
Visual communication design II	8	90

Private company management I	5	60
Copyright law	1	5
Photography and presentation techniques I	6	45
<b>in total</b>	<b>30</b>	<b>320</b>

<b>SEMESTER 7</b>		
Photography and presentation techniques II	3	45
Physical aspects of the objects of visual communication	3	75
Visualisation of objects	4	60
Visual communication objects' care	2	45
Private company management II	2	45
Diploma seminar	2	30
Bachelor dissertation	10	10
Design work placement	4	160
<b>in total</b>	<b>30</b>	<b>470</b>

# MA IN DESIGN

This course is aimed to develop artistic abilities and to profile vocational skills. Painting, drawing, artistic graphic, sculpture and related disciplines in art education play a fundamental role in nurturing artistic self-identity of a designer. Therefore, these subjects are introduced to the curriculum as optional art modules. Elective specialisation modules enable focusing on professional development according to specialisation. The Design course programme, both second and first degree, has been adapted to the needs of economy and job market and supplemented with design internship, course units such as organisation of design process, including designing for corporations, managing private company, management, finances, banking and intellectual property protection.

## MA in Design

Modules	ECTS	Hours
<b>SEMESTER 1</b>		
History of culture and design	3	45
Human science and human ecology of textiles	3	60
Philosophy	2	30
3D computer visualisation	3	30
Artistic product design I	3	45
Fashion drawing	2	30
Functional materials	2	30
Foreign language	1	15
ART I (elective art course)	4	60
SPECIALISATION I (elective specialisation course)	7	90
<b>in total</b>	<b>30</b>	<b>435</b>

<b>SEMESTER 2</b>		
Photography	3	45
Artistic product design II	5	75
Multimedia techniques	2	45
Technology and modelling of special fabrics	3	45
Computer-aided design	3	45
Design project management	2	30
Methodology of experimental research	2	30
Foreign language	2	30
Professional work placement	2	30
ART II (elective art course)	3	30
SPECIALISATION II (elective specialisation course)	5	60
<b>in total</b>	<b>32</b>	<b>435</b>

<b>SEMESTER 3</b>		
Designing of ready-made products	2	30
Conservation of textile products	2	30
Finance and banking	2	30
Self-presentation techniques	2	30
Organisation and management	2	30
SPECIALISATION III (optional specialisation course)	4	60
Graduate seminar	1	15
Master thesis	20	15
<b>in total</b>	<b>35</b>	<b>240</b>

### OPTIONAL ART COURSES

<b>ART I:</b>		
Painting IV		
Drawing IV		
Printmaking IV		
Sculpture IV		
Multimedia artistic visualisation II		



<b>ART II:</b>		
Painting V		
Drawing V		
Printmaking V		
Sculpture V		
Multimedia artistic visualisation III		

### OPTIONAL SPECIALISATION COURSES

<b>SPECIALISATION I:</b>		
TEXTILE DESIGN		
Woven structures I		
Knitted structures I		
FASHION DESIGN		
Fashion design "Prêt à porter"		
Fashion design "Première Vision"		
VISUAL COMMUNICATION AND PRINTING TECHNIQUES		
Visual communication systems		
Design and visualisation of items of visual communication		

<b>SPECIALISATION II:</b>		
TEXTILE DESIGN		
Artistic design of cut length fabrics		
FASHION DESIGN		
Advanced clothing construction and modelling		
VISUAL COMMUNICATION AND PRINTING		



TECHNIQUES  
Packaging - construction and design

### SPECIALISATION III:

TEXTILE DESIGN  
Artistic textiles and textile objects for interior design  
FASHION DESIGN  
Designing for corporations VISUAL COMMUNICATION AND PRINTING TECHNIQUES  
Construction and prototyping of systems of visual communication





# LODZ

Living in Lodz - the third largest city in Poland, a hub of creative industries and a vibrant academic centre - provides international students with numerous opportunities to take part in exciting high quality cultural events. Museum of Contemporary Art, with its first in Europe collection of modern art, and the Central Museum of Textiles, host of the International Triennial of Tapestry, with the largest in Poland collection of fibre art, are both obligatory sites to visit. Textile tradition is very important for the city history and identity. The unique eclectic villas, palaces, residential areas and former factory buildings were all erected in 19th century - the golden era of textile industry, the driving force of the city development - when Lodz was the Promised Land for residents of four coexisting nations: Polish, German, Jewish and Russian. Nowadays Lodz strengthens its position as Polish capital of fashion, design and new technologies by organising high-profile events such as internationally recognised Fashion Week Poland, Design Festival or the Festival of Science, Art and Technology. By organising a popular Festival of Dialogue of Four Cultures the city refers to its multinational and multicultural tradition.

Lodz is also a centre of film art and production with its famous Film School (with graduates including Roman Polanski and Andrzej Wajda), the Film Museum and Se-Ma-For - one of the world's best, Oscar winning, animation film studios. Famous main artery of the city -

Piotrkowska street with more than 100 clubs, pubs and discos offers Erasmus students great entertainment day and night. However, pub-crawling and clubbing face direct competition with the rich selection of cultural events: concerts of independent and major national and international music bands, art exhibitions, meetings, actions, excursions and urban games organised by art centres, art cafes, student associations, theatres, cinemas, galleries and museums.



# CONTACT

Address (Institute of Textiles Architecture):

Instytut Architektury Tekstyliów  
Politechnika Łódzka  
ul. Żeromskiego 116  
90-924 Łódź

Fax: +48 42 631 33 43

International Coordinator for Design  
Dr Katarzyna Zimna  
E-mail: [design.erasmus@info.p.lodz.pl](mailto:design.erasmus@info.p.lodz.pl)

## Useful links:

Virtual Lodz city guide  
<http://en.turystyczna.lodz.pl/page/>

Lodz Airport  
<http://airport.lodz.pl/en>

PKP - Polish State Railway  
<http://rozklad-pkp.pl/?q=en/node/143>

Central Museum of Textiles  
<http://www.muzeumwlokiennictwa.pl/?lang=en>

ms Museum of Contemporary Art  
<http://msl.org.pl/en/index>

Film Museum  
<http://www.kinomuzeum.pl/index.php?action=muzen>

Book Art Museum  
[http://www.book.art.pl/home/home\\_eng.htm](http://www.book.art.pl/home/home_eng.htm)

Poland Fashion Week  
<http://www.fashionweek.pl/en/news.html>

Lodz Design Festival  
<http://www.lodzdesign.com/2011/en/>

Fotofestiwal Lodz  
<http://www.fotofestiwal.com/uni/?lang=en>

