

TABLE OF CONTENTS

Design Thinking	2
3D Printing Overview	2
Computer-aided design (CAD) for beginners: Start designing your own parts (3D files)	2
Design sprint: Create and test a Figma prototype in just 5 days	3
Design Thinking in Practice	3
Figma for UX Design	4
From Code to Motion: Combining Robotics and Coding for Industrial Automation	4
How to implement a design system in your organisation ?	5
Industrial and Product Design	6
Introduction to 3D Scanning: A Beginner's Guide	6
Introduction to Design Thinking	7
Introduction to Design Thinking & Project Management	8
Introduction to Product Management	8
Introduction to User Experience (UX)	8
Mastering FDM: A 3D Printing Workshop for Beginners	9
Practical Problem Solving with Design Thinking	10
The fundamentals of Product Management	10
Writing effective requirements and user stories in Scrum	11

DESIGN THINKING



3D PRINTING OVERVIEW

3D printing has transformed manufacturing and prototyping processes, allowing for rapid production, customization, and innovation. Whether you're an aspiring engineer, designer, entrepreneur, or simply curious about this cutting-edge technology, this course will spark your interest and provide you with the knowledge to navigate the world of 3D printing.

This course is a comprehensive exploration of 3D printing technology, its applications, and its significance in various industries. The course aims to equip participants with a solid foundation in 3D printing technology and to highlight its practical applications.

We will begin by delving into the history of 3D printing, tracing its evolution and milestones. We will then examine the wide range of applications and use cases across industries such as healthcare, aerospace, automotive, and consumer products. We will discuss the reasons behind the popularity of 3D printing, as well as its limitations and challenges. We will explore various manufacturing processes involved in 3D printing, and cover the importance of material selection and post-processing techniques for enhancing printed objects. By the end of the course, learners will have gained a comprehensive understanding of 3D printing history, its versatile applications, and the factors to consider for successful implementation.

Furthermore, we aim to inspire learners to unlock the immense potential of this technology for their personal and professional projects. By exploring a variety of real-world use cases, learners gain a deep understanding of the versatility and applications of 3D printing, and be empowered to identify opportunities where 3D printing can revolutionize their own endeavors, sparking creativity and innovation. Whether you are an entrepreneur, designer, engineer, or hobbyist, this course will ignite your imagination and provide the necessary tools to leverage 3D printing as a transformative tool in your field.

[View online](#)

Price: 16,00 €

Start date: 02.12.2024

Instructor(s): SCHON Michel

Language: English

Difficulty: Beginner



COMPUTER-AIDED DESIGN (CAD) FOR BEGINNERS: START DESIGNING YOUR OWN PARTS (3D FILES)

Join our introductory CAD course using Onshape, where you'll learn to create practical, functional parts. This program serves as an excellent extension to our 3D printing course, providing the skills needed to design your own parts. You'll gain proficiency in designing parts by interpreting drawings, working with existing components, and creating entirely original designs from scratch. We selected Onshape, a cloud-based 3D design tool, for its free non-commercial use. Transitioning to Fusion 360, SolidWorks or another Parametric Feature-Based CAD later is seamless. This CAD course suits hobbyists, teachers, or employees looking to swiftly apply their new skills to 3D printing, CNC milling, or laser cutting.

[View online](#)

Price: 60,00 €

Start date: 09.12.2024

Instructor(s): SCHON Michel

Language: English

Difficulty: Beginner



DESIGN SPRINT: CREATE AND TEST A FIGMA PROTOTYPE IN JUST 5 DAYS

Get to know the 5-day design sprint process to tackle your most pressing business challenges! This course will guide you through the fundamentals of design sprints, exploring various types and their applications. You will learn how to effectively prepare and facilitate design thinking workshops, equipping you with the skills needed to drive innovation and problem-solving within your organization.

[View online](#)

Price: 160,00 €

Start date: 04.11.2024

Instructor(s): LAHEURTE AMELIE

Language: English

Difficulty: Beginner



DESIGN THINKING IN PRACTICE

This course provides a comprehensive introduction to initiating, planning, and executing a Design Thinking project. Over three days, participants will learn to define project challenges, scope, and stakeholders, apply effective methods and tools, and create a confident game plan. The course includes practical application sessions and personalized coaching for ongoing support.

[View online](#)

Price: 150,00 €

Start date: 11.12.2024

Instructor(s): TSCHEPE Samuel, VON SCHMIEDEN Karen

Language: English

Difficulty: Intermediate



FIGMA FOR UX DESIGN

Welcome to our Intermediate Figma Training Course, designed for designers ready to elevate their skills and create exceptional UI designs. This course covers essential techniques and advanced features to help you produce professional and impactful work.

By the end of this course, you'll be equipped with the skills and knowledge to leverage Figma's advanced features, create impressive animations, and ensure your designs are both compelling and accessible. Join us and transform your creative ideas into outstanding, professional designs!

[View online](#)

Price: 64,00 €

Start date: 18.11.2024

Instructor(s): Lead UX & UI Designer, BIESMANS Antoine

Language: English

Difficulty: Intermediate



FROM CODE TO MOTION: COMBINING ROBOTICS AND CODING FOR INDUSTRIAL AUTOMATION

Discover the fascinating world of industrial robotics with comprehensive training program. Designed for beginners, this training will provide you with a solid introduction to robotics and equip you with essential skills to thrive in this field.

Throughout the course, you will delve into key elements of robotics, starting with an in-depth exploration of the fundamental principles that underpin this cutting-edge technology. From there, you will progress to robotics programming, where you will learn to program robots using a variety of languages, including Teach & Play, Blockly, and introductory Python.

The course goes beyond theory by emphasizing practical applications of robotics. You will gain insights into real-world scenarios where robots are utilized across different industries and sectors. Additionally, you will have hands-on experience working with dobot robots, enabling you to develop and program robots to perform specific tasks in both manual and autonomous modes.

Collaboration is a vital aspect of our workshop, as you will engage with fellow participants to complete a final project that showcases your understanding of robotics and programming concepts. By the end of the course, you will have acquired a solid foundation in robotics, mastered programming techniques, and developed critical thinking skills applicable to real-life situations.

Don't miss this opportunity to unlock your potential in the exciting field of industrial robotics. Enroll today and embark on a transformative learning journey that will broaden your horizons and open doors to endless possibilities.

[View online](#)

Price: 160,00 €

Start date: 04.11.2024

Instructor(s): ABDOELLAH Adam

Language: English

Difficulty: Beginner



HOW TO IMPLEMENT A DESIGN SYSTEM IN YOUR ORGANISATION ?

In this course you will get know what a design system is and why you should use it. You will also learn how to assess the maturity of your services, understand the necessary interactions between teams, and be able to support the implementation of a design system project step-by-step.

[View online](#)

Price: 160,00 €

Start date: 02.12.2024

Instructor(s): LAHEURTE AMELIE, GRILL DYLAN

Language: English

Difficulty: Intermediate



INDUSTRIAL AND PRODUCT DESIGN

Are you passionate about creating innovative products? Join our empowering Industrial and Product Design Workshop and unlock your creative potential in the world of design. This interactive and hands-on workshop is designed to equip you with essential skills and insights to bring your product ideas to life.

The course will be run as a series of workshops, which will include a product design project. By the end of this workshop, you will have gained a comprehensive understanding of the product design process and acquired practical skills to develop compelling and user-centered designs.

Course outline :

- 1st Session – Product Design History
- 2nd Session – Project Kickoff
- 3rd Session – Concept Development
- 4th Session – Manufacturing Possibilities

[View online](#)

Price: 48,00 €

Start date: 26.11.2024

Instructor(s): KAUFFMAN Dean

Language: English

Difficulty: Beginner



INTRODUCTION TO 3D SCANNING: A BEGINNER'S GUIDE

Discover the world of 3D scanning with our comprehensive training program aimed at beginners. This experience is designed to provide participants with an in-depth understanding of 3D scanning, covering everything from fundamental concepts to advanced applications.

Through engaging sessions, participants will learn how to prepare for 3D scanning, choosing the right techniques, and executing scans effectively. Practical examples in alignment, merging and post-processing of scans will be shown, ensuring participants understand how to generate high-quality 3D models.

Furthermore, the training will explore the advanced realms of reverse engineering. Stay ahead of the curve by gaining insights into future trends in 3D scanning.

This course is tailored for a diverse audience, including hobbyists, teachers, and civil or mechanical engineers. While addressing the interests of various participants, the main focus will center on applications relevant to mechanical engineering, providing valuable insights and skills for professionals in this field.

[View online](#)

Price: 16,00 €

Start date: 25.11.2024

Instructor(s): PIROTTE Jérôme

Language: English

Difficulty: Beginner



INTRODUCTION TO DESIGN THINKING

Design Thinking is a systematic approach to complex problems from all areas of life. In this two-day workshop the participants will experience an introduction to the basic principles of the innovation method and all phases of the Design Thinking process in a compact way by working on openly phrased challenge.

The participants will experience a structured and professionally moderated Design Thinking workshop. The workshop will apply the innovation techniques of Design Thinking to an innovation challenge that is primarily selected for its methodological and learning value.

The phases of the process and the associated methods are witnessed and applied in the workshop in clearly defined time windows. The workshop is structured around the didactic principle of action orientation, with work divided into an exchange of common discussions, moderated teamwork and reflection.

[View online](#)

Price: 100,00 €

Start date: 09.12.2024

Instructor(s): TSCHPE Samuel, VON SCHMIEDEN Karen

Language: English

Difficulty: Beginner



INTRODUCTION TO DESIGN THINKING & PROJECT MANAGEMENT

Understand of how to apply the iterative, problem-solving approach of design thinking to the more structured processes of Project Management. As a result of this innovative approach, a feedback loop is built between the project team and the users of the product or services, which enables innovation and reduces failures in the project lifecycle.

[View online](#)

Price: 24,00 €

Start date: 01.10.2024

Instructor(s): ZILLOTTO Véronique

Language: English

Difficulty: Beginner



INTRODUCTION TO PRODUCT MANAGEMENT

This course covers key topics, such as : the definition of a “product”, the different phases of the Product Development Cycle, the role of the Product Manager, Agile and Scrum software development methodologies and building product roadmaps. Participants will apply this knowledge in a hands-on exercise and learn about practical cases and industry case studies.

[View online](#)

Price: 24,00 €

Start date: 08.10.2024

Instructor(s): ZILLOTTO Véronique

Language: English

Difficulty: Beginner



INTRODUCTION TO USER EXPERIENCE (UX)

This course is designed for novices seeking a solid understanding in User Experience methods and procedures. Ideal for product owners, project managers, and marketing and communication officers, this course covers essential concepts and practical skills needed to understand user needs and gather relevant data for design.

[View online](#)

Price: 96,00 €

Start date: 11.11.2024

Instructor(s): LAHEURTE Amélie

Language: English

Difficulty: Beginner



MASTERING FDM: A 3D PRINTING WORKSHOP FOR BEGINNERS

Discover the exciting world of Fused Deposition Modeling (FDM) 3D printing in our 9h workshop designed for beginners. In an era where additive manufacturing is revolutionizing industries, this training is perfect for individuals, hobbyists, and professionals seeking to tap into the immense potential of this cutting-edge technology.

This workshop provides a comprehensive introduction to FDM 3D printing, ensuring participants gain a solid understanding of the subject from the ground up. Starting with the basics, you'll learn about the principles of FDM technology, the components of a 3D printer, and the different types of materials used. From there, we delve into the key techniques and best practices for achieving high-quality prints, including slicer software settings, optimizing print parameters, and troubleshooting common issues.

Our workshop aims to equip participants with the knowledge and skills to confidently operate and utilize FDM 3D printers. By the end of the workshop, you'll have a firm grasp of the entire 3D printing workflow, from sourcing models, preparing files for printing, to post-processing and finishing techniques. Moreover, we emphasize hands-on learning, providing ample opportunities for practical exercises and live demonstrations, enabling you to gain practical experience in operating the printers and producing your own 3D prints.

Don't miss this chance to explore the limitless possibilities of FDM 3D printing and unleash your creativity in prototyping, product development, and personal

projects. Join our workshop and embark on an exciting journey into the world of additive manufacturing.

[View online](#)

Price: 36,00 €

Start date: 03.12.2024

Instructor(s): SCHON Michel

Language: English

Difficulty: Beginner



PRACTICAL PROBLEM SOLVING WITH DESIGN THINKING

Become an Effective Problem Solver by Creating your own Design Thinking Recipes.

Traditional problem-solving methods are often rigid and slow, stifling creativity and collaboration, and leading to missed opportunities for innovation.

Our Design Thinking Training Program, based on the LUMA Institute approach, provides a practical, hands-on experience to cultivate an innovative mindset and master 36 versatile tools. This program ensures participants not only understand design thinking principles but also gain the ability to apply them effectively in diverse scenarios.

- Practical Application: Learn by doing with real-world problems.
- LUMA Tools Mastery: Apply and assemble 36 proven tools.
- Expert Facilitation: Guidance from experienced practitioners.
- Interactive Sessions: Engage in collaborative, creative activities.

[View online](#)

Price: 56,00 €

Start date: 07.10.2024

Instructor(s): Bruno Wozniak

Language: English

Difficulty: Beginner



THE FUNDAMENTALS OF PRODUCT MANAGEMENT

From ideation to launch: the product development cycle.

During this course, participants will gain a comprehensive understanding of product management as well as of the role of a product manager. They will apply this knowledge in a role play and experience the process of translating ideas from conceptualization to wireframe development.

[View online](#)

Price: 72,00 €

Start date: 14.10.2024

Instructor(s): ZILLOTTO Véronique

Language: English

Difficulty: Beginner



WRITING EFFECTIVE REQUIREMENTS AND USER STORIES IN SCRUM

From product vision to product delivery: how to define, prioritize and deliver continuous value to the users.

During this course, participants will learn how to gather, develop, document and deliver requirements by writing user stories. They will learn about the most common frameworks and apply their knowledge to practical cases

[View online](#)

Price: 24,00 €

Start date: 06.11.2024

Instructor(s): ZILLOTTO Véronique

Language: English

Difficulty: Beginner