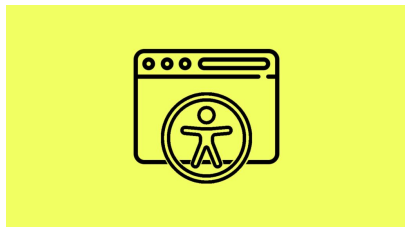


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CODING



ACCESSIBILITÉ DES PLATEFORMES WEB ET MOBILE

- Personae et situation d'handicap
- Les normes de design
- La sémantique accessible
- Les technologies du WCAG et de l'HTML
- Les outils sur les mobiles & Bootstrap

[View online](#)

Price: 64,00 €

Start date: 21.06.2023

Instructor(s): Arnaud Poffé

Language: English

Difficulty: Beginner



ANGULAR

Angular est le framework JavaScript le plus répandu au Luxembourg. Maintenu par Google, il permet d'accélérer tout développement et de poser un cadre pour vos applications.

Veillez noter que ce cours représente le 4e module sur 6 du Learning Track "[Développeur Web](#)".

[View online](#)

Price: 56,00 €

Start date: 11.05.2023

Instructor(s): M. Nicolas FRIZZARIN

Language: French

Difficulty: Beginner



ATELIER PROJET WEB ET DIGITAL

Il s'agit d'un programme collaboratif se déroulant sur 2 semaines. L'équipe de WIDE ANDCO supervisera les participants dans la réalisation d'un projet web et digital (site ou autre).

Des équipes seront formées pour atteindre les objectifs de chaque projet.

2 jours seront en présentiel au DLH pour former les équipes et briefer les projets puis pour présenter le travail accompli.

[View online](#)

Price: 0,00 €

Start date: 17.04.2023

Instructor(s): Apolline Weirich et Marina Andrieu

Language: French

Difficulty: Beginner



DATA BASE AND APPLICATION

Learning how to create tables of data and relate them together.

Please note that this course is the 3rd of 3 modules of the Learning Track "[JAVA PROGRAMMING FUNDAMENTALS](#)".

[View online](#)

Price: 80,00 €

Start date: 17.04.2023

Instructor(s): Ms Vanessa Al Daham

Language: English

Difficulty: Advanced



DATA STRUCTURES AND COMPLEXITIES FOR BIG DATA PROCESSING

Over the course of the day, we review the various structures that exist in programming and their complexities for insertion and access. For instance, we will review arrays, multi-dimensional arrays, trees, streams, stacks, etc.

The focus will be on highlighting the impact that the processing of big data has on selecting the right way to do things.

We will also explore the complexities that can be hidden by the use of fluent APIs.

[View online](#)

Price: 32,00 €

Start date: 08.06.2023

Instructor(s): Dr. Grégory NAIN

Language: English

Difficulty: Intermediate



DATA VISUALIZATION WITH D3JS

An introduction to the data visualization library D3.js, an industry-standard JavaScript framework for interactive data visualizations on the Web.

[View online](#)

Price: 24,00 €

Start date: 15.05.2023

Instructor(s): Dr Christopher Morse

Language: English

Difficulty: Intermediate



EXPLORING AND UNDERSTANDING DIGITAL IDENTITIES/SELF SOVEREIGN IDENTITY AND DIGITAL WALLETS

The course intends to explore a comprehensive understanding of digital identities. It will guide participants through understanding the concept of verifiable credentials (digital identities), digital wallets, blockchain, and decentralized identifiers. At the end of the course, the participant will acquire the knowledge of the whole schema of digital identities.

[View online](#)

Price: 32,00 €

Start date: 01.06.2023

Instructor(s): Dr. Adnan IMERI

Language: English

Difficulty: Beginner



HOW TO USE WEB SERVICES WITH JAVASCRIPT

Imagine you would like to get information about a country and use these data on your website. How would you do that?

Where would you get the data from? The solution is easy!

Nowadays, you address an open online database via a web service to retrieve the information that is publicly available.

This course provides you with an overview of a “service-oriented architecture”. After a brief introduction to Javascript, you learn how to send requests to a web service, how to retrieve information and how to display them in a browser.

Although this course is not a typical Javascript class, it summarizes basic structures and instructions and introduces you to the basic concepts of reading JSON files. Therefore, programming knowledge is not a mandatory prerequisite.

[View online](#)

Price: 64,00 €

Start date: 20.05.2023

Instructor(s): M. Dren GASHI

Language: English

Difficulty: Intermediate



IMPLÉMENTER UNE BASE DE DONNÉES AVEC PYTHON ET MYSQL

Implémenter une base de données MPD avec Python et Mysql.
L'utilisateur apprend à connecter le programme avec le serveur et de rédiger des instructions Python/Mysql pour construire une base de données.

[View online](#)

Price: 36,00 €

Start date: 28.06.2023

Instructor(s): Christiane GNAD

Language: French

Difficulty: Intermediate



INTRODUCTION À REACT – CRÉER VOTRE PREMIÈRE APPLICATION WEB

Ce cours est une introduction à React dans lequel vous créez une application web tout en apprenant les spécificités de la librairie de manière ludique.

[View online](#)

Price: 24,00 €

Start date: 15.06.2023

Instructor(s): M. Mathieu Jeanmougin

Language: French

Difficulty: Beginner



INTRODUCTION TO JAVASCRIPT – THE LANGUAGE OF THE BROWSER!

JavaScript is the language of the browser! And not only that: JavaScript also remains the most popular programming language for the tenth time in a row and is used by almost 17.5 million developers worldwide (Source: State of the Developer Nation 2022). Not only do new developers see JavaScript as an attractive entry-level language, but existing developers are also using it to expand their skills. As a result, JavaScript is now used by more than half of the developers working on web applications. So this is a course you don't want to miss!

We will learn how to create dynamic web pages with JavaScript. The training sessions are very hands-on oriented in dedicated computer rooms. Participants can also bring their own laptop. Through an active engagement, we will have a look at versatile use-cases of JavaScript and especially use it for validation purposes.

[View online](#)

Price: 64,00 €

Start date: 25.03.2023

Instructor(s): M. Dren GASHI

Language: English

Difficulty: Beginner



INTRODUCTION TO PHP – THE WIDELY USED SERVER-SIDE LANGUAGE!

PHP is a widely used, open source, general-purpose scripting language that can be used to develop dynamic and interactive websites. It was one of the first server-side languages that could be embedded in a website (HTML). PHP is still the most commonly used language in web applications after JavaScript (Source: State of the Developer Nation 2022).

Some of the biggest companies around the world use PHP, including Facebook, Wikipedia, Yahoo, Etsy, WordPress and Tumblr.

This entry-level course aims to give an introduction to PHP, especially concentrating on the language itself, server-side validation and PHP templating.

The training sessions are very hands-on oriented in dedicated computer rooms. Participants can also bring their own laptop. Through an active engagement, we will have a look at versatile use-cases of PHP and especially use it for validation purposes.

[View online](#)

Price: 64,00 €

Start date: 22.04.2023

Instructor(s): M. Dren GASHI

Language: English
Difficulty: Beginner



INTRODUCTION TO SQL, THE QUERY LANGUAGE FOR RELATIONAL DATABASES

SQL is the most popular query language par excellence and is used by many world-famous companies such as Facebook, Microsoft, Adobe, and others. It is hard to imagine working with relational databases without SQL. In this very practical course, we will not only learn about the language, but also perform various data queries on a MySQL server.

The training sessions are very hands-on oriented in dedicated computer rooms.

Through an active engagement, we will tackle various problem sets and discuss the different approaches.

[View online](#)

Price: 64,00 €

Start date: 17.06.2023

Instructor(s): M. Dren GASHI

Language: English

Difficulty: Beginner



LE FUTUR DU WEB

Nous sommes actuellement dans un virage technologique fort pour le développement front-end. Ce cours vous permettra de mieux appréhender les changements à venir pour répondre aux problèmes de demain.

Veillez noter que ce cours représente le 6e module sur 6 du Learning Track "[Développeur Web](#)".

[View online](#)

Price: 28,00 €

Start date: 23.05.2023

Instructor(s): M. Jonathan Goeffroy

Language: French

Difficulty: Beginner



MODÉLISATION D'UNE BASE DE DONNÉES

Modélisation des données pour établir une base de données relationnelle

[View online](#)

Price: 36,00 €

Start date: 07.06.2023

Instructor(s): Christiane GNAD

Language: French

Difficulty: Beginner



ORCHESTRER VOS APPLICATIONS AVEC KUBERNETES

Dernière étape d'une chaine DevOps: Pouvoir orchestrer vos ressources dans l'optique d'optimiser vos déploiements. Dans ce module, nous verrons la notion de cluster, d'unité de déploiement et de réplication. Pour ce faire, nous utiliserons Kubernetes, technologie opensource leader du marché.

Veuillez noter que ce cours représente le 4e module sur 4 du Learning Track "[Gestionnaire des modifications et de la configuration des TIC](#)".

[View online](#)

Price: 56,00 €

Start date: 06.04.2023

Instructor(s): M. Guillaume HOMBERG

Language: French

Difficulty: Beginner



PIPELINE DE DÉPLOIEMENT AVEC GITOPS

Une fois vos applications conteneurisées, il sera temps de construire une chaîne de build et de déploiement qui vous permettra d'industrialiser vos processus. Ici, vous apprendrez les bases des pipelines en utilisant l'implémentation de GitHub. L'objectif étant d'automatiser vos tests unitaires, votre build et finalement votre déploiement.

Veillez noter que ce cours représente le 3e module sur 4 du Learning Track "[Gestionnaire des modifications et de la configuration des TIC](#)".

[View online](#)

Price: 28,00 €

Start date: 17.03.2023

Instructor(s): M. Guillaume HOMBERG

Language: French

Difficulty: Beginner



PYTHON LEVEL 2 – STRUCTURES COMPLEXES ET FONCTIONS

Les participants vont approfondir leur savoir-faire dans la programmation en exploitant des structures de données complexes de 1 à 2 dimensions en utilisant une boucle for.

Ils apprendront le mécanisme des fonctions et leur utilisation.

[View online](#)

Price: 48,00 €

Start date: 04.04.2023

Instructor(s): Christiane Gnad

Language: French

Difficulty: Intermediate



PYTHON LEVEL 3 – BIBLIOTHÈQUES ET FICHIERS

- Programmer des fonctions
- Les bibliothèques
- Exporter une fonction dans une bibliothèque
- Inclure une fonction à partir d'une bibliothèque dans le programme

[View online](#)

Price: 48,00 €

Start date: 06.06.2023

Instructor(s): Christiane Gnad

Language: French

Difficulty: Intermediate



SESSION « ORIENTATION, COWORKING ET NETWORKING »

Ces permanences sont des opportunités pour les femmes intéressées par une carrière dans le numérique, par le développement de nouvelles compétences numériques et à la recherche d'orientation et de soutien dans les parcours de carrière potentiels, la recherche d'emploi et la création d'entreprise. Chaque session permettra d'aborder un thème différent pour venir en aide et guider les participants.

[View online](#)

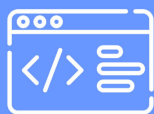
Price: 0,00 €

Start date: 18.04.2023

Instructor(s): Marina Andrieu, Apolline Weirich et Céline Schmitt-Arnould

Language: French

Difficulty: Beginner



SESSION « ORIENTATION, COWORKING ET NETWORKING »

Ces permanences sont des opportunités pour les femmes intéressées par une carrière dans le numérique, par le développement de nouvelles compétences numériques et à la recherche d'orientation et de soutien dans les parcours de carrière potentiels, la recherche d'emploi et la création d'entreprise. Chaque session permettra d'aborder un thème différent pour venir en aide et guider les participants.

[View online](#)

Price: 0,00 €

Start date: 02.05.2023

Instructor(s): Marina Andrieu, Apolline Weirich et Céline Schmitt-Arnould

Language: French

Difficulty: Beginner



SESSION « ORIENTATION, COWORKING ET NETWORKING »

Ces permanences sont des opportunités pour les femmes intéressées par une carrière dans le numérique, par le développement de nouvelles compétences numériques et à la recherche d'orientation et de soutien dans les parcours de carrière potentiels, la recherche d'emploi et la création d'entreprise. Chaque session permettra d'aborder un thème différent pour venir en aide et guider les participants.

[View online](#)

Price: 0,00 €

Start date: 16.05.2023

Instructor(s): Marina Andrieu, Apolline Weirich et Céline Schmitt-Arnould

Language: French

Difficulty: Beginner



SESSION LOW CODE – NO CODE

Découvrir et pratiquer avec les nouveaux outils et processus de développement adaptés aux professionnels qui n'ont peu, voir aucune compétence numérique afin de créer des applications.

[View online](#)

Price: 0,00 €

Start date: 12.06.2023

Instructor(s): Nizar Ayed

Language: French

Difficulty: Beginner



SESSIONS COMPÉTENCES “AUTOUR DU NUMÉRIQUE”

Ce programme autour des compétences numériques est composé de 5 sessions distinctes abordant chacune un thème différent :

- [Votre premier site avec un CMS](#) (08.03.2023)
- [Les nouveaux enjeux et tendances du numérique](#) (15.03.2023)
- Employabilité / CV et visibilité en ligne (22.03.2023)
- [L'entrepreneuriat numérique](#) (29.03.2023)
- [Introduction à la gestion de projet / UX](#) (20.04.2023)

Chaque session est découpée en deux parties : la matinée est un cours théorique appuyé d'exemples, de ressources... et l'après-midi est dédié à la mise en pratique (cas d'usage, prototypage, création).

[View online](#)

Price: 0,00 €

Start date: 22.03.2023

Instructor(s): Marina Andrieu, Apolline Weirich et Céline Schmitt-Arnould

Language: French

Difficulty: Beginner



SESSIONS COMPÉTENCES “AUTOUR DU NUMÉRIQUE”

Ce programme autour des compétences numériques est composé de 5 sessions distinctes abordant chacune un thème différent :

- [Votre premier site avec un CMS](#) (08.03.2023)
- [Les nouveaux enjeux et tendances du numérique](#) (15.03.2023)
- [Employabilité / CV et visibilité en ligne](#) (22.03.2023)
- L'entrepreneuriat numérique (29.03.2023)
- [Introduction à la gestion de projet / UX](#) (20.04.2023)

Chaque session est découpée en deux parties : la matinée est un cours théorique appuyé d'exemples, de ressources... et l'après-midi est dédié à la mise en pratique (cas d'usage, prototypage, création).

[View online](#)

Price: 0,00 €

Start date: 29.03.2023

Instructor(s): Marina Andrieu, Apolline Weirich et Céline Schmitt-Arnould

Language: French

Difficulty: Beginner



SPRING CAMP 2023 – FAMILY DAYS (ADULTS)

Take part in this fun three-day infotech camp for **non-tech** and get a first glimpse in **cybersecurity**, **coding** and **design thinking**. Each day is dedicated to a subject and you will spend the whole day learning the **fundamentals** of each. But that's not all: to go along with this heavy learning, each day will start with a complementary **breakfast** and **coffee** followed by a free **lunch**. To conclude this whole experience, day 3 will end with a **"graduation" ceremony**, where you'll receive your **certification** and **party** with your peers over a beer or a coffee.

Spring Camp 2023 has fun activities for the whole family:

For [teens](#)

For [kids](#)

[View online](#)

Price: 0,00 €

Start date: 04.04.2023
Instructor(s): cf. description
Language: English
Difficulty: Beginner



SPRING CAMP 2023 – FAMILY DAYS (KIDS)

Take part in this fun three-day infotech camp and get a first glimpse in **coding**. Each day, you will participate in fun activities introducing you to the **fundamentals** of coding and enhancing your **logical thinking**. But that's not all: to go along with this heavy learning, each day will start with a complementary **breakfast** and **coffee** followed by a free **lunch**. To conclude this whole experience, day 3 will end with a "**graduation**" **ceremony**, where you'll receive your **certification** and **party** with your peers.

(For kids aged 4 to 11)

Spring Camp 2023 has fun activities for the whole family:

For [teens](#)

For [adults](#)

[View online](#)

Price: 0,00 €
Start date: 04.04.2023
Instructor(s): Kids Life Skills
Language: English
Difficulty: Beginner



SPRING CAMP 2023 – FAMILY DAYS (TEENS)

ATTENTION!

*For those who have already registered for the workshop held by **Scienseens Lab** on the 4th that was initially programmed for just an afternoon, it has been extended to the whole day in the context of Spring Camp 2023.*

Take part in this fun three-day infotech camp and get a first glimpse in **coding** and **AI**. You will spend the whole day every day learning all about the basics of **AI** and **how to create projects and artworks using AI**. But that's not all: to go along with this heavy learning, each day will start with a complementary **breakfast** followed by a free **lunch**. To conclude this whole experience, day 3 will end with a "**graduation**" **ceremony**, where you'll receive your **certification** and **party** with your peers.

(For teens aged 12 to 17)

Spring Camp 2023 has fun activities for the whole family:

For [adults](#)

For [kids](#)

[View online](#)

Price: 0,00 €

Start date: 04.04.2023

Instructor(s): cf. description

Language: English

Difficulty: Beginner



SUCCESSFULLY MANAGE YOUR LEARNING TRACK

Participants will learn how to apply key principles and strategies for effectively managing their learning track as a learning project, from setting goals and creating a plan, to monitoring progress and evaluating success. The course will focus on a minimalistic practical framework to achieve results as planned in an agile environment, with [the open source P3.express approach](#). While the course is designed to support learners who are doing a DLH Learning Track, it is also for anyone who wishes to support their own learning roadmap.

[View online](#)

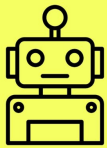
Price: 52,00 €

Start date: 20.04.2023

Instructor(s): Gregor Nicolas, Koen Cloostermans

Language: English

Difficulty: Beginner



TALK, THINK & MOVE LIKE A ROBOT

This workshop explores algorithms, coding, and robotics in order to compare how humans and robots act or react. The hands-on activities allow pupils to answer questions such as: What makes robots different from humans? Do robots think differently than humans? How can we interact with robots?

This course is open to families, which means that parents (one or both) can attend together with their children, aged between 10 and 18 years. When registering, it is necessary to include the names of both, parents and children, in the "First Name" and "Last Name" fields (e.g. "First Name: Mother's First Name & Child's First Name / Last Name: Mother's Last Name & Child's Last Name").

[View online](#)

Price: 0,00 €

Start date: 31.05.2023

Instructor(s): to be confirmed

Language: Luxembourgish

Difficulty: Beginner



THE INTELLECTUAL PROPERTY TOOLBOX FOR THE SOFTWARE DEVELOPER

Overview of the intellectual property rights related to the development of a software.

Focus on free and open-source licenses.

Dealing with patents for computer implemented inventions.

[View online](#)

Price: 12,00 €

Start date: 13.04.2023

Instructor(s): M. Samuel Bex & Mme Mathilde Bailly

Language: English

Difficulty: Beginner



UNDERSTANDING AND CREATING OF DECENTRALIZED AUTONOMOUS ORGANIZATIONS (DAO)

Decentralized autonomous organizations (DAO) are powerful concepts supported by blockchain and smart contracts.

They can be used to improve trust in an "organization" by implementing a trust model. This course, at first sight, intends to show the audience the concept of the decentralized autonomous organization (DAO) its characteristics, and its usefulness.

Following, we show the technical characteristics of the DAO and ways to work with it.

[View online](#)

Price: 24,00 €

Start date: 10.05.2023

Instructor(s): TBC

Language: English

Difficulty: Beginner



WEB3 METHODS: AN EXPLORATION AND IMPLEMENTATION OF THE NEW INTERNET

This course intends to show Web3 methods in practice.

The objective is to give participants practical knowledge of blockchain's main concepts, such as Smart Contract characteristics and interaction with Smart Contracts via Web3 methods. In this course, we explore the powerfulness of Web3 methods (using Web3.js) and conceptualizing it with real-world applications. At the end of the course, the participant acquires a foundational understanding of Web3 methods and Blockchain programming.

[View online](#)

Price: 32,00 €

Start date: 30.05.2023

Instructor(s): Dr. Adnan IMERI

Language: English

Difficulty: Beginner