Overview (EN)

First Year

1st Period

Block One

- - General introduction.
  - Introduction to programming; variables, conditional statements, flow-control and loops.
  - Fast and short introduction into file management and code editors.
  - Introduction to HTML; tags/element, attribute, paragraphs, headers, links, images, header body, nav, section, article, footer.
  - HTML containers, HTML lists, HTML tables, HTML forms.

Block Two

- - PHP and web server (XAMPP)
  - Introduction to PHP; variables, numbers, strings, variables, conditional statements, flow-control and logical operators.
  - Introduction of CSS; selectors, coloring, sizing, alignments.
  - Internal- versus external CSS file.
  - CSS Box model, flex box, grid, media queries

2nd Period

Block Three

- - PHP; arrays, foreach, introduction into functions, advanced looping.

- JavaScript; variables, arrays, input/output, conditional statements, loops, functions, session storage.

- Introduction DOM

- Database design; ERD, Entities, Attributes, data-types, 1:N relations, Primary Keys and Foreign Keys.

Block Four

- PHP; functions, value-key arrays (associative arrays in PHP).
- FE4, JavaScript and programming the (HTML)DOM.
- SQL; PhpMyAdmin, select, aliases, and/or, delete and primary keys.

3rd Period

Block Five

- PHP Introduction into OOP; classes, objects, methods, public, private and basic inheritance.
- Databases design; ERD construction, including N:M relations.
- Planning of IT projects

Block Six

- PDO; PHP and databases
- SQL; insert, update, introduction join (left join)
- Building a full working CRUD in PHP

4th Period

Block Seven

- PHP forms and advanced use of functions.
- Introduction to PHP frameworks (Yii), routing.
- IT projects and designing

Block Eight

- Python; JSON, API programming
- Introduction into React
- Introduction to WordPress

Second Year

1st Period

Block Nine

- Python/Flask, routing.
- Devops (git)
- PHP Frameworks (Yii); git, rouitng, relations, selecting, sorting.
- IT Projects and testing

Block Ten

- Python and (simple) game development.
- PHP Frameworks (Yii), creating your own CRUD.
- ???

2nd Period

Block Eleven

- Introduction to RegEx
- Bootstrap/Less
- PHP Frameworks, introduction to Laravel.
- IT Projects and 'Lessons Learned' (reflections).

Block Twelve

- - React

  - Laravel

  - Bin/Hex

  - ???