

Basics of Information Technology
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Intro information

<https://www.cs.vsb.cz/radecky>

Course content

1. University Services and Infrastructure
2. Basic Terms, Linux, IDE
3. Introduction to versioning with GIT
4. Basics of website creation: HTML and CSS
5. Introduction to using JavaScript on the web
6. Introduction to containerization with Docker
7. AI and the use of artificial intelligence tools
8. IT Security Fundamentals and Cyber Hygiene

Course Requirements

- **80% Attendance at seminars (13 weeks, 10 mandatory limit)**
60 points = 100% participation, min. 48 points (according to the actual course of the semester)
- **Project (10 – 40 points)**
 - Processing of a web page with a defined theme
 - To be specified in mid-October
- **Bonus points (only more than 10 participants)**
 - Placement within quizzes
 - 3 - 2 - 1 points (for the first three placements) in the attendance evaluation
 - If you want to participate in the bonus, you need to **enter your login as a nickname!**



Project

Web presentation/application containing

- min. 3 HTML pages
 - Homepage
 - Personal profile, biography
 - Projects within the 1st semester
- HTML5 + CSS3
It is possible to use frameworks – e.g. Tailwind, Bootstrap
- JavaScript (ES6)
at least one element of interactivity (e.g. topic switching, form validation, slider, map, simple API call)
- Responsive design
The website must be functional and effectively usable on different devices
- Publish on the server homel.vsb.cz under your account

Project

Commitment

- **No later than 5.12.2025 !!!**
- The result must be available (from 6.12.2025) at <https://homel.vsb.cz/~login>
 - Directory public_html intended for the content of a publicly accessible website
 - The website must be displayed after entering the above address (index.html)
 - At <https://homel.vsb.cz/~login/login.zip> will be available for direct download the complete source codes of the project

Evaluation

- There is a maximum of 40 points per project, min. 10 points.
- To obtain the minimum number of points, it is necessary to meet the functionality and scope, see specifications
- Other points will be for the overall final impression, quality of workmanship, interest, appearance, etc.
- The evaluation will take place in such a way that according to the login (randomly) I will access the URL and perform a check and evaluation. If the project is **not available at the address, the rating for the project is 0 points and no replacement/repair is possible**, etc.

Attendance check

<https://elogika.vsb.cz/evidence>

1. Requires use of a mobile phone (with access to the camera)
2. Login with your login and password (SSO)
3. Allow access to the camera
4. Taking a photo of the QR code
5. **OK must be displayed**, if FAIL is displayed, then the **QR code scan must be repeated**