University of Gdańsk

Subject card

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|---|---|---|---|---|---|---|---|
| Subject name and code | Introduction to Web Technology, PG_00204157 | | | | | | |
| Field of study | Informatics | | | | | | |
| Date of commencement of studies | October 2026 | | Academic year of realisation of subject | 2026/2027 | | | |
| Education level | Bachelor's studies | | Subject group | Obligatory subject group in the field of study | | | |
| Mode of study | full-time studies | | Mode of delivery | at the university | | | |
| Year of study | 1 | | Language of instruction | Polish | | | |
| Semester of study | 1 | | ECTS credits | 3.0 | | | |
| Learning profile | practical | | Assessment form | credit | | | |
| Conducting unit | | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | mgr Aleksandra Tejszerska-Rzeźnik | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 0.0 | 15.0 | 0.0 | 0.0 | 30 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 30 | | 0.0 | | 45.0 | 75 |
| Subject objectives | The course aims to acquaint students with basic technologies and tools related to web programming, which are subsequently applicable in many other fields. | | | | | | |

## Learning outcomes

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [INFPL3_K02] is ready to recognize the importance of knowledge in solving cognitive problems and practical and seeking opinions experts in case of difficulties with independent problem solving | The student is able to utilize the skill of precisely formulating questions in practical tasks, such as projects, case studies, or group discussions. | [SK1] oral statement/conversation/ discussion |
| [INFPL3_U02] is able to obtain information from literature, the Internet and other sources, critically analyze and synthesize this information, and assess its credibility and draw conclusions; can learn effectively throughout life, independently acquiring new technical competences and adapting to technological changes | The student is able to evaluate the reliability and credibility of the acquired information, considering its source and context. | [SU4] test/exam - oral or written |
| [INFPL3_U03] is able to cooperate with other people within teamwork, including being able to manage his/her time, make commitments, communicate using various techniques in the professional environment, including the use of dedicated tools; is able to present different opinions and alternative technical solutions in the project team, explaining their basis, consequences and impact on the project implementation | The student is able to plan and organize their tasks in a way that efficiently manages time and resources. | [SU4] test/exam - oral or written |
| [INFPL3_W07] knows and understands facts and methods to an advanced degree in the field of designing, developing, testing, implementing and maintaining web applications and their security; applies this knowledge in practical projects, creating web applications and preparing their functional and performance tests | Student knows simple tools for designing web pages, such as HTML and CSS editors and is able to use them | [SW4] test/exam - oral or written |

## Subject contents

- HTML5
- Cascading Style Sheets (CSS)
- CSS - Box Model
- SCSS (vs CSS)
- Positioning
- CSS Grid
- Flexbox
- Media Queries

## Prerequisites and co-requisites

## Assessment methods and criteria

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| Midterm exam | 51.0% | 100.0% |

## Recommended reading

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|---|---|
| Basic literature | No required literature |
| Supplementary literature | • David Sawyer McFarland, CSS. Nieoficjalny podręcznik. Wydanie IV, Helion, 2016.<br>• Alex Libby, Learning Less.js, PACKT Publishing, 2014.<br>• Jon Duckett, HTML i CSS. Zaprojektuj i zbuduj witrynę WWW. Podręcznik Front-End Developera, Helion, 2014.<br>• Oficjalna dokumentacja MDN Web Docs<br>• Oficjalna dokumentacja SCSS |
| eResources addresses | |

## Example issues/ example questions/ tasks being completed

no applicable

## Work placement

Not applicable

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