

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                                            |                                                          |                                         |                                     |                                                                                                                                                |            |     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Web Applications Programming, PG_00188669                                                                                                                                                                                                                                                                                                                  |                                                          |                                         |                                     |                                                                                                                                                |            |     |
| Field of study                              | English Studies                                                                                                                                                                                                                                                                                                                                            |                                                          |                                         |                                     |                                                                                                                                                |            |     |
| Date of commencement of studies             | October 2026                                                                                                                                                                                                                                                                                                                                               |                                                          | Academic year of realisation of subject |                                     | 2027/2028                                                                                                                                      |            |     |
| Education level                             | Master's studies                                                                                                                                                                                                                                                                                                                                           |                                                          | Subject group                           |                                     | Obligatory subject group in the field of study<br>Optional subject group<br>Subject group related to scientific research in the field of study |            |     |
| Mode of study                               | full-time studies                                                                                                                                                                                                                                                                                                                                          |                                                          | Mode of delivery                        |                                     | at the university                                                                                                                              |            |     |
| Year of study                               | 2                                                                                                                                                                                                                                                                                                                                                          |                                                          | Language of instruction                 |                                     | Polish                                                                                                                                         |            |     |
| Semester of study                           | 3                                                                                                                                                                                                                                                                                                                                                          |                                                          | ECTS credits                            |                                     | 4.0                                                                                                                                            |            |     |
| Learning profile                            | academic                                                                                                                                                                                                                                                                                                                                                   |                                                          | Assessment form                         |                                     | credit                                                                                                                                         |            |     |
| Conducting unit                             | Division of Theoretical and Computational Linguistics -> Institute of English and American Studies -> Faculty of Languages -> Rector                                                                                                                                                                                                                       |                                                          |                                         |                                     |                                                                                                                                                |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                                                                         |                                                          | dr Marcin Fortuna                       |                                     |                                                                                                                                                |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                                                   |                                                          |                                         |                                     |                                                                                                                                                |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                                                | Lecture                                                  | Tutorial                                | Laboratory                          | Project                                                                                                                                        | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                      | 0.0                                                      | 60.0                                    | 0.0                                 | 0.0                                                                                                                                            | 0.0        | 60  |
|                                             | 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                                                                                                                                                                                                                                                                                                                                      | 60                                                       |                                         | 4.0                                 |                                                                                                                                                | 36.0       | 100 |
| Subject objectives                          | The course aims to introduce students to the fundamentals of website development and web application programming, primarily as they relate to natural language processing and the use of linguistic data. The primary technologies taught in the course are HTML, CSS, and JavaScript. Students will implement group projects using the Scrum methodology. |                                                          |                                         |                                     |                                                                                                                                                |            |     |

| Learning outcomes | Course outcome                                                                                                                                                                                                                                                                                                            | Subject outcome                                                                                                                                                                                                                                                                                                                                                         | Method of verification                                                                  |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|                   | [FAMU2_W12] Knows and understands the main development trends in literature, in particular with regard to research into English-language literature.                                                                                                                                                                      | K_W12: Knows and understands selected issues in the field of auxiliary and related sciences of English philology (mainly computer science), necessary as a context for the professional activity of an English philologist with a technological profile                                                                                                                 | [SW2] presentation/project/paper/report<br>[SW5] implementation of a problem task       |
|                   | [FAMU2_W14] Knows and understands selected issues connected to various disciplines constituting auxiliary and related sciences of English Philology, necessary as a context for research in the field of English linguistics and English-language literatures or in the professional activity of the English philologist. | Knows and understands the fundamental dilemmas of contemporary civilization in the context of issues related to intercultural linguistic and literary communication and the role of modern technologies in the work of an English philologist, especially in the field of web technologies                                                                              | [SW1] oral statement/conversation/discussion<br>[SW2] presentation/project/paper/report |
|                   | [FAMU2_U10] Can independently plan and implement their own lifelong learning and guide others in this area within the framework of English philology and their chosen field of professional activity.                                                                                                                     | K_U10: Is able to independently plan and implement his/her own lifelong learning and guide others in this area within the scope of English Philology and a chosen field of professional activity, especially in the field of web programming and modern web technologies                                                                                                | [SU1] oral statement/conversation/discussion<br>[SU2] presentation/project/paper/report |
|                   | [FAMU2_K05] Is ready to think and act in an entrepreneurial way in various spheres of professional activity related to the use of the English language                                                                                                                                                                    | Is ready to think and act in an entrepreneurial manner in various areas of professional activity related to the use of English, especially in the field of web programming and modern web technologies                                                                                                                                                                  | [SK1] oral statement/conversation/discussion<br>[SK2] presentation/project/paper/report |
|                   | [FAMU2_K02] Is prepared to recognise the importance of knowledge and skills in English Studies in solving cognitive and practical problems and to seek the advice of a supervisor in their chosen place of work in the event of difficulty in solving problems on their own.                                              | Is ready to recognize the importance of knowledge and skills in the field of English studies in solving cognitive and practical problems and to seek the opinion of a research supervisor or a supervisor at the chosen place of work in case of difficulties in solving problems independently, especially in the field of web programming and modern web technologies | [SK1] oral statement/conversation/discussion<br>[SK2] presentation/project/paper/report |
|                   | [FAMU2_U05] Can use and present orally and in writing knowledge in the field of auxiliary and related sciences, which is a context for English linguistic and literary studies and supports the professional work of an English philologist.                                                                              | Is able to use and present, orally and in writing, knowledge of auxiliary and related sciences that constitute a context for English linguistic research and support the professional work of an English philologist, with particular emphasis on modern web technologies.                                                                                              | [SU1] oral statement/conversation/discussion<br>[SU2] presentation/project/paper/report |
|                   | [FAMU2_U04] Can select and apply information and communication techniques (ICT) during the acquisition and processing of information for research and professional purposes within the framework of English Studies.                                                                                                      | K_U04: Is able to select and apply information and communication technologies (ICT) when acquiring and processing information for professional purposes within English Philology, with particular emphasis on modern web technologies.                                                                                                                                  | [SU2] presentation/project/paper/report<br>[SU5] implementation of a problem task       |
|                   | [FAMU2_U02] Can apply knowledge in the field of linguistics and literature in solving practical problems in the field of the chosen specialty.                                                                                                                                                                            | Is able to apply knowledge of linguistics in solving practical problems within the scope of a chosen specialization, especially in the field of web technologies.                                                                                                                                                                                                       | [SU2] presentation/project/paper/report                                                 |
| Subject contents  | 1. Collaboration in the Scrum Methodology, Co-creating Programming Projects<br>2. HTML Markup Language<br>3. Styling Websites with CSS<br>4. JavaScript as a Browser-Based Programming Language<br>5. Overview of Natural Language Processing Tools and Libraries for JavaScript                                          |                                                                                                                                                                                                                                                                                                                                                                         |                                                                                         |

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|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Prerequisites and co-requisites | ATTENDANCE AT ALL CLASSES IS MANDATORY, UNLESS THE STUDENT OBTAINS THE DEAN'S CONSENT TO STUDY ACCORDING TO AN INDIVIDUAL ORGANIZATION OF STUDIES. |                                                                                                                                                                                                                                                                                      |                               |
| Assessment methods and criteria | Subject passing criteria                                                                                                                           | Passing threshold                                                                                                                                                                                                                                                                    | Percentage of the final grade |
|                                 | Oral interview                                                                                                                                     | 51.0%                                                                                                                                                                                                                                                                                | 10.0%                         |
|                                 | Task completion                                                                                                                                    | 51.0%                                                                                                                                                                                                                                                                                | 10.0%                         |
|                                 | Project presentation                                                                                                                               | 51.0%                                                                                                                                                                                                                                                                                | 80.0%                         |
| Recommended reading             | Basic literature                                                                                                                                   | Coulson, Lewis. 2019. The HTML and CSS Workshop. Packt Publishing.<br><br>Firdaus, Thoriq. 2016. HTML5 and CSS3: Building Responsive Websites. Packt Publishing.<br><br>Freeman, Eric & Elisabeth Robson. 2014. Head First JavaScript Programming: A Brain-Friendly Guide. O'Reilly. |                               |
|                                 | Supplementary literature                                                                                                                           | Coulson, Lewis. 2019. The HTML and CSS Workshop. Packt Publishing.<br><br>Firdaus, Thoriq. 2016. HTML5 and CSS3: Building Responsive Websites. Packt Publishing.<br><br>Freeman, Eric & Elisabeth Robson. 2014. Head First JavaScript Programming: A Brain-Friendly Guide. O'Reilly. |                               |
|                                 | eResources addresses                                                                                                                               |                                                                                                                                                                                                                                                                                      |                               |
|                                 | Example issues/<br>example questions/<br>tasks being completed                                                                                     | * Create a GitHub repository for your development project<br>* Create a website<br>* Style your website with CSS<br>* Add interactive elements to your website using JavaScript                                                                                                      |                               |
| Work placement                  | Not applicable                                                                                                                                     |                                                                                                                                                                                                                                                                                      |                               |

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