

Syllabus

Kursbeschreibung

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| Titel der Lehrveranstaltung | Grundlegende und übergreifende digitale Kompetenzen |
| Code der Lehrveranstaltung | 82006 |
| Zusätzlicher Titel der Lehrveranstaltung | |
| Wissenschaftlich-disziplinärer Bereich | INFO-01/A |
| Sprache | Italienisch |
| Studiengang | Universitärer Lehrgang für die Grundausbildung der Lehrpersonen für die Mittel- und Oberschule in italienischer Sprache - 60KP |
| Andere Studiengänge (gem. Lehrveranstaltung) | Training course 30 CP - Italian section |
| Dozenten/Dozentinnen | Prof. Rosella Gennari, Rosella.Gennari@unibz.it https://www.unibz.it/en/faculties/engineering/academic-staff/person/8607 |
| Wissensch. Mitarbeiter/Mitarbeiterin | |
| Semester | Zweites Semester |
| Studienjahr/e | 1 |
| KP | 1 |
| Vorlesungsstunden | 6 |
| Laboratoriumsstunden | 0 |
| Stunden für individuelles Studium | 19 |
| Vorgesehene Sprechzeiten | 0 |
| Inhaltsangabe | <p>This training course aims to guide teachers in an exploration of computer science as a discipline and its applications in different contexts.</p> <p>It starts by exploring the founding conceptual ideas. The exposition is enriched by a brief historical excursus of figures who have</p> |

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| | <p>contributed in different ways to the formation of the discipline.</p> <p>It continues with an overview of how, in recent years, computer science has radically transformed our society, showing the breadth of its fields, from artificial intelligence to person-centred design.</p> <p>Selecting some of these areas, the course then offers relevant and replicable case studies in the classroom. The activities part of the course will be differentiated by level and interest of the participant.</p> |
| Themen der Lehrveranstaltung | <ul style="list-style-type: none"> - Founding ideas of the discipline - Historical background - Fields of application - Case studies and methodological insights |
| Stichwörter | Founding conceptual ideas of computer science, Societal implications, Case studies |
| Empfohlene Voraussetzungen | None |
| Propädeutische Lehrveranstaltungen | |
| Unterrichtsform | Lectures, production and analysis of materials |
| Anwesenheitspflicht | In accordance with the regulation |
| Spezifische Bildungsziele und erwartete Lernergebnisse | <p>The course belongs to the basic learning area - computer science disciplines.</p> <p>The course aims to foster the acquisition of basic and transversal computer skills, contextualising them in the context of the evolution of the discipline and its diversity of fields of study and application.</p> <p>Disciplinary skills</p> <p>Knowledge and understanding</p> <ul style="list-style-type: none"> - To recognise the founding ideas - To have knowledge of the different areas of the discipline <p>Transversal/soft skills</p> <p>Autonomy of judgement</p> <ul style="list-style-type: none"> - Select and critically evaluate teaching resources for computer science |

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| | <p>Communication skills</p> <ul style="list-style-type: none"> - Be able to describe the founding ideas of the discipline - Communicate the diversity of fields of application and study of the discipline |
| Spezifisches Bildungsziel und erwartete Lernergebnisse (zusätzliche Informationen) | |
| Art der Prüfung | Written - multiple choice and/or open-ended questions (knowledge and understanding, ability to apply knowledge and understanding) |
| Bewertungskriterien | Assignment of a single final mark. The following are considered and evaluated: correctness of the answer, relevance, logical structure, clarity of argumentation, formal correctness. |
| Pfichtliteratur | Materials presented during the course. |
| Weiterführende Literatur | Materials presented during the course. |
| Weitere Informationen | The course will be offered in person in Bolzano |
| Ziele für nachhaltige Entwicklung (SDGs) | Industrie, Innovation und Infrastruktur, Hochwertige Bildung |