

Title <b>Internet Technologies and Services</b>	Code <b>1011102331011160782</b>
Field <b>Management - Full-time studies - Second-cycle studies</b>	Year / Semester <b>2 / 3</b>
Specialty -	Course <b>elective</b>
Hours Lectures: <b>1</b> Classes: -    Laboratory: -    Projects / seminars: -	Number of credits <b>2</b>
	Language <b>polish</b>

**Lecturer:**

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**Status of the course in the study program:**

-elective course in the second stage of full-time Management study

**Assumptions and objectives of the course:**

-The course should provide basic understanding of how the Internet works from its classical TCP/IP protocol layers to modern web applications and cloud computing

**Contents of the course (course description):**

-Lectures: Internetworking: constructing one homogenous computer network from a variety of existing ones, the main technical problems and their solutions. The TCP/IP protocol stack and the classical definition and operational principles of the Internet. The ways the Internet resources are addressed and localized. Technologies of Websites design: from static HTML, script languages, cascading style sheets to HTML5, XML and XSLT. Three-tier web applications. The concepts of web services, cloud computing and their protocols. The cryptography as the basis of network security.

- Laboratories: Demonstration files of different technologies of web design with scripting. Student?s simple three-tier web page project with HTML form CSS file, PHP script and MySQL table.

**Introductory courses and the required pre-knowledge:**

-knowledge on computer science learned during the course of first degree study

**Courses form and teaching methods:**

-lectures and laboratories

**Form and terms of complete the course - requirements and assessment methods:**

-laboratory assignments and project

**Basic Bibliography:**

**Additional Bibliography:**