



Course catalogue

TTF-PB111 Internet and multimedia

Programme	Food Technology and Biotechnology
Level	Bachelor's programme
Academic year	1 year
Semester	Spring Semester
ECTS credits	4 credits
Lecturers	Associate prof. Sashko Martinovski, PhD
Language	Macedonian
Objective	The goal of the course is to get students acquainted with the general Internet structure, Internet applications, multimedia content, Internet service providers, routers, backbone, NSP, NAP, Internet protocols, Internet connections, firewalls, intranets, and extranets. Introducing multiple Internet services and applications such as: browsers, email, on-line chat, WWW, streaming, Wiki pages, blogs, RSS, social networks and e-commerce. Introducing students with multimedia content, working with images, creating video and making a presentation.
Content	History of the Internet. Technical and technological aspects of the Internet. Internet infrastructure: General internet structure, Internet service providers, Routers, Backbone, NSP, Internet protocols, Addresses and domains, TCP / IP, DNS, URL, HTTP, Web Servers and clients, FTP, Telnet, SSL, Internet connections, Internet 2, Intranet, Extranet, Security gateways, VPN (Virtual Private Networks). Internet applications: Email, Remote Logins, Internet forums, Chat, IP multicasting, World Wide Web (WWW), Intelligent agents (Bots), Streaming media with direct streaming of data, Podcasting, Wiki pages, Internet telephony, Internet TV, Blogs, RSS, Cookies, Social networks, E-commerce. Multimedia. Exercises: Email, Search on google, RSS, e-commerce, Microsoft Office Picture Manager, Windows Move Maker, Microsoft FrontPage, Microsoft PowerPoint.
Learning materials	Reading from the primary literature are referenced in class and posted to the course website.