

<b>Computer Network</b>					
<b>Course Code</b> CIF61007	<b>Student Workload</b> 120 hours	<b>Credits</b> (according to ECTS) 6 ECTS (4.5 for theory and 1.5 for practical work)	<b>Semester</b> Sem. 3	<b>Frequency</b> each odd-semester	<b>Duration</b> 16 meetings
<b>1</b>	<b>Types of courses</b> <i>compulsory (study programme level)</i>	<b>contact hours</b> 84 hours	<b>independent study</b> 36 hours	<b>class size</b> 20-40 students	
<b>2</b>	<b>Prerequisites for participation</b>				
<b>3</b>	<p><b>Learning outcomes</b></p> <p>IF-PLO-2 Graduates have the ability to be scientific, work collaboratively, have a professional attitude, and have good adaptation skills when working in groups or as an individual.</p> <p>IF-PLO-3 Graduates are able to develop professional careers in the field of computer science based on quality aspects, data-based decision making, be responsible, and make continuous improvements.</p> <p>IF-PLO-7 Mastering the theoretical concept and principles of computer science, especially in the aspect of algorithms, programming, intelligent systems, information management, parallel and distributed computing, information security, human-computer interaction, software engineering, and fundamentals of computer systems and networks.</p> <p>F-PLO-11 Graduates are able to plan, develop, manage, and analyze the computer network-based system and the services running on top of them by considering the network security aspects.</p>				
<b>4</b>	<p><b>Subject aims</b></p> <p>Students are able to explain how computer networks work.</p> <p>Students are able to explain the concept and how the application layer works on the internet.</p> <p>Students are able to explain the concept and how the transport layer works on the internet.</p> <p>Students are able to explain the concept and how the network layer works on the internet.</p> <p>Students are able to explain the concept and how the link layer works on the internet.</p>				
<b>5</b>	<p><b>Teaching methods</b></p> <p>lectures, case study, class discussion, presentation</p>				

<b>6</b>	<b>Assessment methods</b> assignment, mid-term examination, end-term examination, project evaluation, practical-skill assessment
<b>7</b>	<b>This module is used in the following degree programs as well</b>
<b>8</b>	<b>Responsibility for module</b>
<b>9</b>	<b>Other information</b> 1. Kurose, Jim, & Ross, Keith. (2016). "Computer Networking: A Top-Down Approach 7th Edition". Pearson.