Study programmes: Bachelor studies - Informatics	
Course name: P231 - Computer Networks	
Lecturers: Miroslav Marić and other lecturers at Department of computer Science	
Status: Compulsory	
ECTS: 6	
Attendance prerequisites: P100, P101, R225	
Course aims: Acquisition of general and specific knowledge about computer networks theory and principles	
Course outcome: After completing the course, the student has the basic knowledge about computer networks. The student understands basic principles and functionalities of computer networks.	

Course content:
 - History of computer networks. Local and global computer networks.
 - Virtual circuits and package commutation.
 - Communications and networking: computer network standards and standards organizations.
 - ISO model with 7 layers.
 - TCP/IP model with 4 layers.
 - Tanenbaum hybrid model with 5 layers.
 - Security and protection in computer networks

Literature:
1. Andrew S. Tanenbaum, David J. Wetherall, Computer Networks, 5th edition, Pearson Education, 2011.
(The lecturer can choose another relevant current literature)

Number of hours: **5**	Lectures: **2**	Tutorials: **3**	Laboratory: **-**	Research: **-**

Teaching and learning methods: Frontal lectures, group and exercises.

Assessment (maximal 100 points)			
Course assignments	**points**	**Final exam**	**points**
Lectures	-	Written exam	70
Exercises / Tutorials	-	Oral exam	-
Colloquia	30	Written-oral exam	-
Essay / Project	-		