FACULTY OF INFORMATICS (FIFTH YEAR)

	Fifth semester	
	Назив на предмет	**Credits**
		ECTS
1	Safety of the CS	**6**
2	Software Engineering	**6**
3	Artificial intelligence	**6**
	Elective courses (2 out of 5):	
	Parallel processing	**5**
	Multimedia	**5**
	Web programming	**5**
	Network operating systems	**5**
	Ethical norms in computer science	**5**
	Total	**30**

Literature	
Subject	**Literature**
Safety of the CS	***Cyber Security Engineering: A Practical Approach,*** Nancy Mead, Addison Wisley, 2017 ***Computer Security Principles and Practices,*** William Stallings, William Stallings, 2014
Software Engineering	***Software Engineering, Ian Somerville, Prosvetno delo, 2009***
Artificial intelligence	***Artificial Intelligence: A Modern Approach, 3rd Edition,*** Stuart Russell, Peter Norvig, Pearson, 2010
Parallel processing	***Fundamentals of Parallel Processing,*** H. Jordan, G. Alaghband, Pearson, 2003 ***Parallel Programming: Techniques and Applications,*** B. Wilkinson, M. Allen, Pearson, 2005
Multimedia	***Multimedia Fundamentals, Volume 1: Media Coding and Content Processing, 2nd Edition,*** Ralf Steinmetz, Klara Nahrstedt, Prentice Hall, 2002
Web programming	***C# 7.1 and .NET Core 2.0 - Modern Cross-Platform Development - Third Edition: Create powerful applications with .NET Standard 2.0,***

	ASP.NET Core 2.0, ... Visual Studio 2017 or Visual Studio Code, Mark J. Price, Packt Publishing, 2017
Network operating systems	*Chalup The Practice of System and Network Administration, 2nd Ed.,* Limoncelli, Hogan, and Chalup, Addison Wesley, 2007
Ethical norms in computer science	*Utility and Commitment Ethics, Orlic, R., Mali Nemo. Pancevo, 2007* *Business Ethics (lectures), Grueski, D., Fict, Bitola, 2014Computer Ethics and Professional Responsibility*, Bynum, T. W., Rogerson, S. (editors), Wiley Desktop Editions, 2003