



Final project proposal

Type	Undergraduate
Title	<i>Markov Chains and Queueing Theory</i>
Supervisor	prof. d-r Verica Bakeva
e-mail	verica.bakeva@finki.ukim.mk
Department / Group	
Department of Theoretical Foundation of Informatics	
Topic(s)	
Probability Theory	
Project can start from	01.04.2013
Project duration	4 months
Short description	
<p>A Markov chain is one of the most important stochastic processes which can be used for description of many real processes. The basic models in queueing theory use exactly Markov chains.</p> <p>The student will have to study these processes and their applications in queueing systems. He/she will have to write a report about this research and make a program for simulation and visualization of a queueing systems. It is going to be an individual activity.</p> <p>No need of any kind of specialized lab equipment.</p>	
Results and assessment	
The student needs to write a report, make a program for simulation and visualization of a queueing systems and give a presentation of a project.	
Other (additional) information	