

International Summer School Riga 2020 (ISSR 2020) September 14-19, 2020
"Economic Modelling in Health Care"

TIME	DAY							
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	
09:00-10:30 LECTURE	Individual Arrival	Opening Summer School 2020, Words of welcome, Organisation of the week	Health Economic Evaluation - Understanding the Data: sourcing, interpretation and context. (Prof. Martin Pitt)	Health Economic Evaluation - Adapting our models, dealing with uncertainty. (Prof. Martin Pitt)	System Dynamics and Epidemics: theoretical consideration (Prof. Steffen Flessa)	Process Management using Simulation in Hospitals - An Application - Oriented Approach (Prof. Olav Goetz)	Excursion	Individual travel
10.30 - 11.00		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break		
11:00-12:30 WORKSHOP		Challenges of Health Care - An Introduction to Economic Modelling. Origins and Purpose. Some simple exercises. (Prof. Martin Pitt)	Health Economic Evaluation - Simple cost effectiveness modelling using Decision Trees. (Prof. Martin Pitt)	Health Economic Evaluation - Integrating uncertainty in our model using Monte Carlo simulation. (Prof. Martin Pitt)	System Dynamics and the Corona - Pandemic. A practical consideration (Prof. Steffen Flessa)	Modelling and Simulation of Business Processes in Health Care - Game-Based Learning as an application example (Dr. Sven Lueke, via Online - Lecturing, Moderation in Riga: Prof. Olav Goetz)		
12:30-13:30		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH		
13:30-15:00 LECTURE		Data Analysis in Health Care - A short Introduction (Colleagues from RSU)	Health Economic Evaluation - Issues in the use of Cost Effectiveness Modelling. (Prof. Martin Pitt)	Health Economic Evaluation : Challenges and futures for cost effectiveness modelling. Health service delivery modelling using operational research approaches. (Prof. Martin Pitt)	Process Management using Simulation in Hospitals - An Application - Oriented Approach (Prof. Olav Goetz)	Modelling and Simulation of Business Processes in Health Care - Game-Based Learning as an application example (Dr. Sven Lueke, via Online - Lecturing, Moderation in Riga: Prof. Olav Goetz)		
15.00 - 15.30		Coffee break	Coffee break	Coffee break				
15:30-17:00 WORKSHOP		Prescriptive Analytics in Health Care using the Open Source Software (Prof. Sebastian Rachuba)	Health Economic Evaluation - Building a cost effectiveness Markov model using Microsoft Excel. (Prof. Martin Pitt)	Time for Individual Students Work	Coffee break and travelling to City Tour starting point	Panel Discussion on Modelling and Simulation of Participants coming from Latvia, England, Finland, Germany		
17:00-18:00 STUDENT FEEDBACK						City tour		
18:00-20:00		Get together at RSU						

