

## Sheet1

<b>WEEK ONE</b>				
<b>Monday</b>		<b>17<sup>th</sup> July 2023</b>		
<b>Time</b>	<b>Activity</b>	<b>Facilitator</b>	<b>Topic</b>	
07.00am – 08.00am	Breakfast			
08.30am – 09.30am	Registration			
09.30am – 10.30am	Opening Ceremony	Josephine Wairimu		
10.30am – 11.00am	Coffee Break			
11.00am – 01.00pm	Lecture	George Lawi	<i>Deterministic Models for Chemical Reaction Networks: An Introduction.</i>	
01.00pm – 02.00pm	Lunch Break			
02.00pm – 04.00pm	Lecture	Josephine Wairimu	<i>Analytical tools available for modeling and analysis of CRNs, in connection to their potential application in the understanding of epidemiology.</i>	
04.00pm - 04.30pm	Coffee Break			
04.30pm - 06.30pm	Group Topics sharing	All Lecturers		
<b>Tuesday</b>		<b>18<sup>th</sup> July 2023</b>		
07.00am – 08.00am	Breakfast			
08.30am – 10.30am	Lecture	Josephine Wairimu	<i>Analytical tools available for modeling and analysis of CRNs, in connection to their potential application in the understanding of epidemiology.</i>	
10.30am – 11.00am	Coffee Break			
11.00am – 01.00pm	Lecture	George Lawi	<i>Deterministic Models for Chemical Reaction Networks: An Introduction.</i>	
01.00pm – 02.00pm	Lunch Break			
02.00pm – 04.00pm	Lecture	Enrico Bibbona	<i>An introduction to stochastic vs. deterministic models of CRNs</i>	
04.00pm - 04.30pm	Coffee Break			
04.30pm - 06.30pm	Group Activities	All Lecturers		

Sheet1

	<b>Wednesday</b>	<b>19<sup>th</sup> July 2023</b>		
	07.00am – 08.00am	Breakfast		
	08.30am – 10.30am	Lecture	Enrico Bibbona	<i>An introduction to stochastic vs. deterministic models of CRNs</i>
	10.30am – 11.00am	Coffee Break		
	11.00am – 01.00pm	Lecture	Farai Chirove	<i>In-host models for infectious diseases and stochastic models with demographic stochasticity</i>
	01.00pm – 02.00pm	Lunch Break		
	02.00pm – 06.00pm	Social Event		
	<b>Thursday</b>	<b>20<sup>th</sup> July 2023</b>		
	07.00am – 08.00am	Breakfast		
	08.30am – 10.30am	Lecture	Polly Yu	<i>Deducing qualitative dynamics from network structure</i>
	10.30am – 11.00am	Coffee Break		
	11.00am – 01.00pm	Lecture	Enrico Bibbona	<i>An introduction to stochastic vs. deterministic models of CRNs</i>
	01.00pm – 02.00pm	Lunch Break		
	02.00pm – 04.00pm	Lecture	Farai Chirove	<i>In-host models for infectious diseases and stochastic models with demographic stochasticity</i>
	04.00pm - 04.30pm	Coffee Break		
	04.30pm - 06.30pm	Group Activities	All Lecturers	
	<b>Friday</b>	<b>21<sup>st</sup> July 2023</b>		
	07.00am – 08.00am	Breakfast		
	08.30am – 10.30am	Lecture	Polly Yu	<i>Deducing qualitative dynamics from network structure</i>
	10.30am – 11.00am	Coffee Break		

Sheet1

	11.00am – 01.00pm	Lecture	Farai Chirove	<i>In-host models for infectious diseases and stochastic models with demographic stochasticity</i>
	01.00pm – 02.00pm	Lunch Break		
	02.00pm – 04.00pm	Lecture	Polly Yu	<i>Deducing qualitative dynamics from network structure</i>
	04.00pm - 04.30pm	Coffee Break		
	04.30pm - 06.30pm	Group Activities	All Lecturers	
	<b>Saturday</b>	<b>22<sup>nd</sup> July 2023</b>		
	SAFARI	Sweet Waters tented Camp Nanyuki		
	<b>WEEK TWO</b>			
	<b>Monday</b>	<b>24<sup>th</sup> July 2023</b>		
	<b>Time</b>	<b>Activity</b>	<b>Facilitator</b>	<b>Topic</b>
	07.00am – 08.00am	Breakfast		
	08.30am – 10.30am	Lecture	Badal Joshi	<i>Applications of reaction networks to ecology, computation, and biochemistry</i>
	10.30am – 11.00am	Coffee Break		
	11.00am – 01.00pm	Lecture	Marilyn Ronoh	<i>How to calibrate parameters of a dynamical reaction network model with Matlab.</i>
	01.00pm – 02.00pm	Lunch Break		
	02.00pm – 04.00pm	Lecture	Badal Joshi	<i>Applications of reaction networks to ecology, computation, and biochemistry</i>
	04.00pm - 04.30pm	Coffee Break		
	04.30pm - 06.30pm	Group Activities	All Lecturers	
	<b>Tuesday</b>	<b>25<sup>th</sup> July 2023</b>		
	07.00am – 08.00am	Breakfast		

Sheet1

	08.30am – 10.30am	Lecture	Marilyn Ronoh	<i>How to calibrate parameters of a dynamical reaction network model with Matlab.</i>
	10.30am – 11.00am	Coffee Break		
	11.00am – 01.00pm	Lecture	Badal Joshi	<i>Applications of reaction networks to ecology, computation, and biochemistry</i>
	01.00pm – 02.00pm	Lunch Break		
	02.00pm – 04.00pm	Lecture	Rose Auma	<i>Data fitting and programming in R</i>
	04.00pm - 04.30pm	Coffee Break		
	04.30pm - 06.30pm	Group Activities	All Lecturers	
	<b>Wednesday</b>	<b>26<sup>th</sup> July 2023</b>		
	07.00am – 08.00am	Breakfast		
	08.30am – 10.30am	Lecture	Daniele Cappelletti	<i>The stationary regime of stochastic reaction networks</i>
	10.30am – 11.00am	Coffee Break		
	11.00am – 01.00pm	Lecture	Greg Rempala	<i>Stochastic modeling in math biology</i>
	01.00pm – 02.00pm	Lunch Break		
	02.00pm – 04.00pm	Social Event		
	04.30pm - 06.30pm	Group Activities		
	<b>Thursday</b>	<b>27<sup>th</sup> July 2023</b>		
	07.00am – 08.00am	Breakfast		
	08.30am – 10.30am	Lecture	Daniele Cappelletti	<i>The stationary regime of stochastic reaction networks</i>
	10.30am – 11.00am	Coffee Break		
	11.00am – 01.00pm	Lecture	Greg Rempala	<i>Stochastic modeling in math biology</i>
	01.00pm – 02.00pm	Lunch Break		
	02.00pm – 04.00pm	Lecture	Daniele Cappelletti	<i>The stationary regime of stochastic reaction networks</i>
	04.00pm - 04.30pm	Coffee Break		
	04.30pm - 06.30pm	Group Activities		

Sheet1

	<b>Friday</b>	<b>28<sup>st</sup> July 2023</b>	
	07.00am – 08.00am	Breakfast	
	08.30am – 10.00am	Presentations Organization	
	10.00am – 01.00pm	Group Presentations	
	01.00pm – 01.30pm	Closing Ceremony	
	01.30pm – 02.30pm	Lunch Break/break out	
	<b>DEPARTURE</b>		