Specialised Master in Epidemiology 2020/2021

		Lecture	Semester	CP	Responsible
MANDATORY COURSES	**Module a)**	**Foundations in epidemiology**			
		Epidemiological concepts	AS1	3	CHL
		Epidemiological methods	AS1	4	DMA
		Chronic diseases epidemiology	AS1	1	NCP
		Environmental epidemiology	AS1	1	MRO
		Qualitative and mixed methods	AS1	2	MES
		Producing, interpreting and using evidence in health care	SS1	2	XBC
		GIS in health and exposure sciences	SS1	2	DVI/CDE
	Module b)	**Biostatistics and computing**			
		Biostatistics (lecture)	AS1	2	MKAI
		Biostatistics (exercise)	AS1	1	MKAI
		Basic statistic modelling (OR Statistical modelling)	AS1	3	FVA
		Statistical modelling (OR Basic statistic modelling)	AS1		PVO
		Data analysis in epidemiology	SS1	3	ARO
		Demography	SS1	2	TFU/TSM
		Statistical methods in trial design	SS1	2	GLA
		Research Data Management	SS1	2	MAH
	Module c)	**Global public health**			
		Public health in light of the sustainable development goals	AS1	1	NKU
		Public health across the life course	AS1	2	JDR
		Adv. in infection biology, epidemiology and global public health	AS/SS	1	MTA/UTJ
		Key issues in public and international health	AS1	2	PSN
		Interdisciplinary research in epidemiology and infection biology	AS	1	UTJ
		Health systems	AS1	2	KWY
		Health financing and economic evaluation	SS1	1	PHA
		SUBTOTAL		**40**	
	Module d)	**Transferable skills and competences (5 CP to choose, incl. the two compulsory courses)**			
		Good scientific conduct in health sciences	SS1	1	CHL
		Application to an ethics committee	SS1	1	CHB
OPTIONAL COURSES		Scientific writing	SS1	2	BRA
		Project management	SS	2	AHO
		Effective presentation skils	SS	1	MWI
		Meet the professionals	SS	1	CHL
		SUBTOTAL		**8**	
	Module e)	**Advances in epidemiology, statistics and public health: students must choose 15 CP**			
		Mathematical modelling of infectious diseases	SS	2	MPE/NAC
		Exercise: Interdisciplinary research in epidemiology and infection biology	AS	1	UTJ
		Introduction to One Health	AS	3	JZI
		Advanced one health methods	SS	2	JZI/NAC
		Current ecological and health issues in Africa	AS	2	UTJ
		Essentials in drug development and clinical trials	SS	2	CHB
		Drug discovery and development for parasitic diseases	AS	2	JKE
		Malaria epidemiology and control	SS	2	TSM
		Medical parasitology and neglected tropical diseases (lecture)	AS	2	PEO
		Medical parasitology and neglected tropical diseases (exercise)	AS	2	PEO
		Bayesian biostatistics and exercises	SS	5	PVO
		Biostatistics (Journal Club)	AS/SS	1	PVO
		Programming in STATA	SS	1	JHA
		Medical entomology	SS	2	PMR
		Health impact assessment	SS	2	ETH ZH
		Programme evaluation (starting SS 2019)	SS	1	MAH
		Climate change and health	SS	1	GCI
		Advanced systematic reviews	AS/SS	4	XBC
		Introduction to R for epidemiological data analysis	SS	1	JHA
		(Current topics in epidemiology) not available for MSc IB und Epi	AS/SS	2	UTJ
		Health interventions (Journal Club)	AS	1	MAH
		Introduction to bioinformatics	AS2	2	PAM
		Qualititive Research (Journal Club)	AS/SS	1	MES
		SUBTOTAL		**44**	
	Additional Options	All lectures offered by Swiss TPH (also lectures from Master in Infection Biology) AND lectures from other fields within the University of Basel in agreement with the supervisor/Swiss TPH			

AS: autumn semester / CP: credit points / SS: spring semester 14.08.2020

Non-mandatory surplus CP from modules *c) Global & Public Health* and *d) Transferable Skills and Competences* may count towards module *e) Advances in Epidemiology, Statistics and Global & Public Health* .
But be aware that credit points from one lecture cannot be split between two modules.

In module *b) Biostatistics and computing* only 'Basic statistic modelling' OR 'Statistical Modelling' is mandatory, not both.

In module *e) Advances in Epidemiology, Statistics and Global & Public Health* credit points from other study programmes of the University Basel may be used in agreement with Swiss TPH supervisor and approval by Christian Lengeler.

Credit points from other Universities must be approved by the faculty teaching commission **prior to course registration** and will only be granted if at least 3 CP.