

Schedule Master Bioinformatics, 1st and 2nd year, Fall 2021

Wk	Date	Mo				Tue				Wed				Thu				Fri					Date	
No	Mo	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	5	Fri	
36	06 Sep	Int ^{CS1}		CMB	IML	ADM	Saf Lab			TM	EA	AML	Mc ² /CXN		BSC	BSC	BSC /QA		SNA	IDL	plIDL	Tut	10 Sep	
37	13 Sep	eSaf Lab	QA	CMB	IML	ADM	wEA			TM	EA	AML	wAML				tQA	wSNA	SNA	IDL	plIDL		17 Sep	
38	20 Sep		QA	CMB	IML	ADM	wEA		AiDM	TM	EA	AML	Mc ² /CXN		wCCC ¹		tQA	wSNA	SNA	IDL	plIDL	Tut	24 Sep	
39	27 Sep	wIML	QA	CMB	IML	ADM	wEA	pAiDM	AiDM	TM	EA	AML	CXN	pCXN		BSC	BSC	BSC /tQA	wSNA	SNA	IDL	plIDL		01 Oct
40	04 Okt	Relief of Leiden				ADM	wEA	pAiDM	AiDM	TM	EA	AML	Mc ² /CXN /wAML		BSC	BSC	BSC /tQA	wSNA	SNA	IDL	plIDL	Tut	08 Oct	
41	11 Oct		QA	CMB	IML	ADM	wEA	pAiDM	AiDM	TM	EA	AML	CXN				tQA	wSNA	SNA	IDL	plIDL		15 Oct	
42	18 Oct	wIML	QA	CMB	IML	ADM	wEA	pAiDM	AiDM	TM	EA	AML	Mc ² /CXN	pCXN			tQA	wSNA	SNA	IDL	plIDL	Tut	22 Oct	
43	25 Oct		QA	CMB	IML	ADM	wEA	pAiDM	AiDM		EA	AML	CXN /wAML				tQA	wSNA	SNA	IDL	plIDL		29 Oct	
44	01 Nov	wIML	QA	CMB	IML	ADM	wEA	pAiDM	AiDM	TM	EA	AML	Mc ² /CXN				tQA	wSNA	SNA	IDL	plIDL	Tut	05 Nov	
45	08 Nov		QA	CMB	IML	ADM	wEA	pAiDM	AiDM	TM	EA	AML	CXN	pCXN	BSC	BSC	BSC /tQA	wSNA	SNA	IDL	plIDL		12 Nov	
46	15 Nov		QA	CMB	IML	ADM	wEA	pAiDM	AiDM	TM	EA	AML	Mc ²				tQA	wSNA /wAML	SNA	IDL	plIDL	Tut	19 Nov	
47	22 Nov	wIML	QA	CMB	IML	ADM	wEA	pAiDM	AiDM	TM	EA	AML	CXN				tQA	wSNA	SNA	IDL	plIDL		26 Nov	
48	29 Nov		QA	CMB	IML	ADM		pAiDM	AiDM	TM	EA	AML	Mc ² /CXN	pCXN	BSC	BSC	BSC /tQA	wSNA	SNA	IDL	plIDL	Tut	03 Dec	
49	06 Dec		QA	CMB	IML	ADM		pAiDM	AiDM	TM			CXN				tQA	wSNA	SNA				10 Dec	
50	13 Dec		QA					pAiDM	AiDM										E CMB				17 Dec	
51	20 Dec	E EA				E IML				E AiDM													24 Dec	
52	27 Dec	Christmas Holidays				Christmas Holidays				Christmas Holidays				Christmas Holidays				Christmas Holidays					31 Dec	
1	03 Jan																						07 Jan	
2	10 Jan					E CXN								E TM									14 Jan	
3	17 Jan					E IDL																	21 Jan	
4	24 Jan					R CXN								R EA				R CMB					28 Jan	
5	31 Jan					R IML				R AiDM				R IDL				R TM					04 Feb	

Block	1		2		Break	3		4		5	
	09:15-11:00		11:15-13:00			14:15-16:00		16:15-18:00		18:15-20:00	
Hrs	09:15-10:00	10:15-11:00	11:15-12:00	12:15-13:00	13:15-14:00	14:15-15:00	15:15-16:00	16:15-17:00	17:15-18:00	18:15-19:00	19:15-20:00
	1	2	3	4	5	6	7	8	9	10	11

Abbr.	Catalogue no.	Course title	Lecturer
Int ^{CS1}	4343OGACTH	Introduction Master Computer Science (mandatory for Sept-21 starters only) - group 1	dr. M. van Leeuwen; mw J. Visser
wCCC ¹	4343OGACTH	Workshop Cross-Cultural Communication (mandatory for Sept-21 starters only) - group 1	drs. A.C. Berendse
Saf Lab/ eSaf Lab	n/a	Safety Lab online self-study/online exam (mandatory for Sept-21 starters only)	Science Safety Department (AMD)
Tut	4349MENTOW	Tutoring & mentoring	Alexandra Blank a.o
ADM	4343ADMMDX	Advanced Data Management for Data Analysis	prof. dr. S. Manegold
AiDM/pAiDM	4343ADVDM	Advances in Data Mining/practicum Advances in Data Mining	dr. W. Kowalczyk
AML/wAML	4343AUTMX	Automated Machine Learning/workgroup Automated Machine Learning	dr. J.N. van Rijn
BSC	4343BSCS3	Better Science for Computer Scientists	prof. dr. H.H. Hoos
CXN/pCXN	4609COMNW	Complex Networks/practicum Complex Networks	dr. M. Emmerich, dr. D. Garlaschelli, dr. L. Avena
CMB	4343COMOB	Computational Molecular Biology	dr. A.P. Goultiaev; dr. K.J. Wolstencroft
EA/wEA	4343EVAL6	Evolutionary Algorithms/workgroup Evolutionary Algorithms	prof. dr. T.H.W. Bäck
IDL/plIDL	4343INTDL	Introduction to Deep Learning/practicum Introduction to Deep Learning	dr. W. Kowalczyk; A. Bernatavicius MSc
IML/wIML	4343INTML	Introduction to Machine Learning/workgroup Introduction to Machine Learning	dr. A. Kononova; D.L. Vermetten MSc
Mc ²	4343MACLAH	Master Class (mandatory for 2nd year)	prof. dr. T.H.W. Bäck; dr. B. van Stein
QA/tQA	4343QUALG	Quantum Algorithms/tutorial Quantum Algorithms	dr. V. Dunjko
SNA/wSNA	4343SNACS	Social Network Analysis for CS/workgroup Social Network Analysis for CS	dr. F.W. Takes
TM	4343XTMN	Text Mining	dr. S. Verberne

Summary:	
	Mandatory/Core Component Course
	Recommended course
	Elective

* Exams and Retakes: 10:15-13:45h or 14:15-17:45h. Exams and Retakes at USC: 09:00-12:30h or 13:00-16:30h (see class locations)

Schedule Master Bioinformatics: Statistical Science & Mathematics elective courses, Fall 2021

Wk No	Date	Mo				Tue				Wed				Thu				Fri				Date			
No	Mo	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Fri			
36	06 Sep					HDDA	HDDA											STGen	STGen						10 Sep
37	13 Sep					HDDA	HDDA											STGen	STGen						17 Sep
38	20 Sep					HDDA	HDDA											STGen	STGen						24 Sep
39	27 Sep					HDDA	HDDA											STGen	STGen						01 Oct
40	04 Okt	Relief of Leiden				HDDA	HDDA											STGen	STGen						08 Oct
41	11 Oct					HDDA	HDDA					MMB	MMB					STGen	STGen						15 Oct
42	18 Oct					HDDA	HDDA					MMB	MMB					STGen	STGen	MMB					22 Oct
43	25 Oct																	STGen	STGen						29 Oct
44	01 Nov											MMB	MMB					STGen	STGen	MMB					05 Nov
45	08 Nov					HDDA	HDDA					MMB	MMB					STGen	STGen	MMB					12 Nov
46	15 Nov					HDDA	HDDA					MMB	MMB					STGen	STGen	MMB					19 Nov
47	22 Nov					HDDA	HDDA					MMB	MMB					STGen	STGen	MMB					26 Nov
48	29 Nov					HDDA	HDDA					MMB	MMB					STGen	STGen	MMB					03 Dec
49	06 Dec					HDDA	HDDA					MMB	MMB					STGen	STGen	MMB					10 Dec
50	13 Dec					HDDA	HDDA					MMB	MMB					STGen	STGen	MMB					17 Dec
51	20 Dec					HDDA	HDDA											STGen	STGen	MMB					24 Dec
52	27 Dec	Christmas Holiday				Christmas Holiday				Christmas Holiday				Christmas Holiday				Christmas Holiday				31 Dec			
1	03 Jan											E HDDA													07 Jan
2	10 Jan																								14 Jan
3	17 Jan																							E MMB	21 Jan
4	24 Jan											R HDDA												R STGen	28 Jan
5	31 Jan																								04 Feb

Block	1		2		Break	3		4	
Hrs	09:15-11:00		11:15-13:00		13:15-14:00	14:15-16:00		16:15-18:00	
	09:15-10:00	10:15-11:00	11:15-12:00	12:15-13:00		14:15-15:00	15:15-16:00	16:15-17:00	17:15-18:00
	1	2	3	4	5	6	7	8	9

Abbr.	Catalogue no.	Course title	Lecturer
HDDA	4433HDDAN	High-Dimensional Data Analysis	dr. W.N. van Wieringen & prof.dr. M. van Wieringen
MMB	4373MUBI6	Multiscale Mathematical Biology	prof.dr. R.M.H. Merks
STGen	4433STAGE	Statistical Genetics	dr. S. Bohringer a.o.

Summary:
 Mandatory/Core Component Course
 Recommended course
 Elective

* Exams and Retakes: 10:15-13:45h or 14:15-17:45h. Exams and Retakes at USC: 10:00-12:30h or 13:00-16:30h (see class locations)

** For Statistical Science courses, please check statscience.nl and Brightspace for the most recent timetable and class locations

Schedule Master Computer Science and Science Communication and Society/Education, 1st year, Fall 2021

		Specialisations									
		Advanced Computing and Systems	Artificial Intelligence	Data Science	Foundations of Computing	Bioinformatics	Science Communication & Society	Education			
Catalog no.	Course title								Level	EC	Sem
4343ADMDX	Advanced Data Management for Data Analysis								500	6	1
4433ADSTC	Advanced Statistical Computing (2nd year)								500	3	1
4343ADVDM	Advances in Data Mining								500	6	1
4343AUTMX	Automated Machine Learning								500	6	1
4343BSCS3	Better Science for Computer Scientists								500	3	1
4609COMNW	Complex Networks (BM)								400	6	1
4383COMCR	Computational Creativity								500	6	1
4343CMS6X	Computational Models and Semantics								500	6	1
4343COMOB	Computational Molecular Biology								500	6	1
4343DASPR	Data Science in Practice								500	6	1
4343DISDP	Distributed Data Processing Systems								500	6	1
4343EVAL6	Evolutionary Algorithms								500	6	1
4343FSWT6	Foundations of Software Testing								500	6	1
4433HDDAN	High-dimensional Data Analysis								500	6	1
4343HPC16	High Performance Computing I								500	6	1
4343ITDM6	Information Theoretic Data Mining								500	6	1
4343INTDL	Introduction to Deep Learning								500	6	1
4343INTML	Introduction to Machine Learning								500	6	1
4433LAGLM	Linear & Generalized Linear Models and Linear Algebra								400	9	1
4343MMSY6	Multimedia Systems								500	6	1
4373MUB16	Multiscale Mathematical Biology (BM)								400	6	1
4343QUALG	Quantum Algorithms								500	6	1
4343SADRL	Seminar Advanced Deep Reinforcement Learning								500	6	1
4343SNACS	Social Network Analysis for Computer Scientists								500	6	1
4353SWDPM	Software development and Product Management								500	6	1
4433STAGE	Statistical genetics								500	6	1
4433STLT6	Statistical Learning (2nd year)								500	6	1
4343SYSSS	System and Software Security								500	6	1
4343TXTMN	Text Mining								500	6	1
4343URBC6	Urban Computing								500	6	1
4383VGF6	Video Games for Research								500	6	1
Catalog no.	Course title								Level	EC	Sem
4343ADL6X	Advances in Deep Learning								500	6	2
4343APQAL	Applied Quantum Algorithms								500	6	2
4343AUDIO	Audio Processing and Indexing								500	6	2
4343BIOMD	Bio-modeling								500	6	2
4343CLCMP	Cloud Computing								500	6	2
4343CPML6	Competitive Programming								500	6	2
4343CIMTO	Computational Imaging and Tomography								500	6	2
4343CRYPE	Cryptographic Engineering								500	6	2
4343EMBSS	Embedded Systems and Software								500	6	2
4343HPC2X	High Performance Computing II								500	6	2
4343MMAV6	Image Analysis with Applications in Microscopy								500	6	2
4343INFRE	Information Retrieval								500	6	2
4373MABIM	Metabolic Network Analysis (BM)								400	6	2
4343MGAIX	Modern Game AI Algorithms								500	6	2
4343MOADA	Multicriteria Optimization and Decision Analysis								500	6	2
4343MMIRL	Multimedia Information Retrieval								500	6	2
4433MAMDA	Multivariate and multidimensional data analysis								500	6	2
4343PSYPR	Psychology of Programming								500	6	2
4343QUCO3	Quantum Computing								500	3	2
4343REINL	Reinforcement Learning								500	6	2
4343ROBO6	Robotics								500	6	2
4343SCOMA	Seminar Combinatorial Algorithms								500	6	2
4343SWVER	Software Verification								500	6	2
343SPDSC	Sports Data Science								500	6	2
4343IRPRJ	Introductory Research Project (Bioinformatics)								500	12-18	1&2
4343MACLAH	Master Class & Master's Thesis Research Project	42	42	42	42	42	30	30	600	30-42	1&2
n/a	Science Communication and Society programme (2nd year)						40-60		n/a	40-60	1&2
n/a	Education component (2nd year)							60	n/a	60	1&2

Legenda			
Mandatory	Recommended	Elective	Not applicable