

Schedule Master Advanced Computing and Systems, 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		Inf ^{CS2}	CMB/ UC	IML	ADM	CMS	DPS	VGR	TM	EA	AML	Mc ² /CXN	FST /wUC	HPC /BSC	SDPM /ITDM /BSC	QA/ BSC	CHS	SNA/ SSS	IDU/ MMS	piDL	Tut	10 Sep	
37	13 Sep	eCHS	QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	wEA /CMS	DPS	VGR	TM	EA	AML/ Crea	wAML	FST /wUC	HPC	SDPM /ITDM	tQA	wSNA	SNA/ SSS	IDU/ MMS	piDL	Tut	17 Sep	
38	20 Sep		QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	wEA /CMS	DPS	AIDM /VGR	TM	EA	AML/ Crea	Mc ² /CXN	FST /wUC	HPC	SDPM /ITDM	tQA	wSNA	SNA/ SSS	IDU/ MMS	piDL	Tut	24 Sep	
39	27 Sep	wIML	QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	wEA /CMS	DPS/ pAIDM	AIDM /VGR	TM	EA	AML/ Crea	CXN	FST/ wUC/ pCXN	HPC /BSC	SDPM /ITDM /BSC	tQA/ BSC	wSNA	SNA/ SSS	IDU/ MMS	piDL		01 Oct	
40	04 Okt	Relief of Leiden				ADM/ wCMS /pVGR	wEA /CMS	DPS/ pAIDM	AIDM /VGR	TM	EA	AML/ Crea	Mc ² /CXN /wAML	FST /wUC	HPC /BSC	SDPM /ITDM /BSC	tQA/ BSC	wSNA	SNA/ SSS	IDU/ MMS	piDL	Tu/ pMMS	08 Oct	
41	11 Oct		QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	wEA /CMS	DPS/ pAIDM	AIDM /VGR	TM	EA	AML/ Crea	CXN	FST /wUC	HPC	SDPM /ITDM	tQA	wSNA	SNA/ SSS	IDU/ MMS	piDL		15 Oct	
42	18 Oct	wIML	QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	wEA /CMS	DPS/ pAIDM	AIDM /VGR	TM	EA	AML/ Crea	Mc ² /CXN	FST/ wUC/ pCXN	HPC	SDPM /ITDM	tQA	wSNA	SNA/ SSS	IDU/ MMS	piDL	Tut	22 Oct	
43	25 Oct	wCCC ²	QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	wEA /CMS	DPS/ pAIDM	AIDM /VGR		EA	AML/ Crea	CXN /wAML	FST /wUC	HPC	SDPM /ITDM	tQA	wSNA	SNA/ SSS	IDU/ MMS	piDL	pMMS	29 Oct	
44	01 Nov	wIML	QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	wEA /CMS	DPS/ pAIDM	AIDM /VGR	TM	EA	AML/ Crea	Mc ² /CXN	FST /wUC	HPC	SDPM /ITDM	tQA	wSNA	SNA/ SSS	IDU/ MMS	piDL	Tut	05 Nov	
45	08 Nov		QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	wEA /CMS	DPS/ pAIDM	AIDM /VGR	TM	EA	AML/ Crea	CXN	FST/ wUC/ pCXN	HPC /BSC	SDPM /ITDM /BSC	tQA/ BSC	wSNA	SNA/ SSS	IDU/ MMS	piDL		12 Nov	
46	15 Nov		QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	wEA /CMS	DPS/ pAIDM	AIDM /VGR	TM	EA	AML/ Crea	Mc ²	FST /wUC	HPC	SDPM /ITDM	tQA	wSNA	SNA/ SSS	IDU/ MMS	piDL	Tu/ pMMS	19 Nov	
47	22 Nov	wIML	QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	wEA /CMS	DPS/ pAIDM	AIDM	TM	EA	AML/ Crea	CXN	FST /wUC	HPC	SDPM /ITDM	tQA	wSNA	SNA/ SSS	IDU/ MMS	piDL		26 Nov	
48	29 Nov		QA/ DRL ²	CMB/ UC	IML	ADM/ wCMS /pVGR	CMS	DPS/ pAIDM	AIDM	TM	EA	AML	Mc ² /CXN	FST/ wUC/ pCXN	HPC /BSC	ITDM /BSC	tQA/ BSC	wSNA	SNA/ SSS	IDU/ MMS	piDL	Tut	03 Dec	
49	06 Dec	UCpres	QA/ DRL ²	CMB/ UC	IML	ADM		DPS/ pAIDM	AIDM	TM	UCpres	UCpres/ CXN		E SDPM		ITDM	tQA	wSNA	SNA/ SSS				10 Dec	
50	13 Dec		QA/ DRL ²	UCpres			E CMS	pAIDM	AIDM		E HPC		CXN			FST Hackathon		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					31 Dec					
1	03 Jan							E CXN															07 Jan	
2	10 Jan							E IDL						E TM									14 Jan	
3	17 Jan									R SDPM													21 Jan	
4	24 Jan					R CMS		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
Inf ^{CS2}	4343OGACTH	Introduction Master Computer Science (mandatory for Sept-21 starters only) - group 2	dr. M. van Leeuwen; mw J. Visser
wCCC ²	4343OGACTH	Workshop Cross-Cultural Communication (mandatory for Sept-21 starters only) - group 2	drs. A.C. Berendse
CHS	4343CHSIT	Computing Health and Safety Instruction online self-study (mandatory for Sept-21 starters)	Science Safety Department (AMD)
Tut	4349MENTOW	Tutoring & mentoring	Alexandra Blank a.o
ADM	4343ADMDX	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
Crea	4383COMCR	Computational Creativity (MediaTech course)	dr. R. Saunders
CMS/wCMS	4343CMS6X	Computational Models and Semantics/workgroup Computational Models and Semantics	dr. H. Basold
CMB	4343COMOB	Computational Molecular Biology	dr. A.P. Goutiaev; dr. K.J. Wolstencroft
DPS	4343DISDP	Distributed Data Processing Systems	dr. A. Uta
EA/wEA	4343EVAL6	Evolutionary Algorithms/workgroup Evolutionary Algorithms	prof. dr. T.H.W. Bäck; dr. H. Wang
FST	4343FSW76	Foundations of Software Testing	prof. dr. M.M. Bonsangue; prof.dr. F.S. de Boer
HPC	4343HPC16	High Performance Computing I	prof.dr. H.A.G. Wijshoff
ITDM	4343ITDM6	Information Theoretic Data Mining	dr. M. van Leeuwen
IDU/piDL	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
MMS	4343MMSY6	Multimedia Systems (including practical sessions)	dr. M.S. Lew; dr. E.M. Bakker
QA/QA	4343QUALG	Quantum Algorithms/tutorial Quantum Algorithms	dr. V. Dunjko
DRL ²	4343SADRL	Seminar Advanced Deep Reinforcement Learning (for 2nd year students only)	prof. dr. A. Plaat
SNA/wSNA	4343SNACS	Social Network Analysis for CS/workgroup Social Network Analysis for CS	dr. F.W. Takes
SDPM	4353SWDPM	Software Development & Product Management (ICTB&PS course)	drs. Paul van Leeuwen
SSS	4343SYSSS	System & Software Security	Olga Gadyratskaya
TM	4343TXTMN	Text Mining	dr. S. Verberne
UC/wUC/UCpres	4343URBC6	Urban Computing/workgroup Urban Computing/presentations Urban Computing	dr. M. Baratchi
VGR/pVGR	4383VGR6	Video Games for Research/practicum (MediaTech course)	M. Gomez MSc & dr. M. Preuss

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 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