FS - Master en informatique 2013-2014

Cours	Enseignants	Automne	Printemps	Automne	Printemps	Examen	Crédits	
Bloc général plan libre								**TOTAL 90**
Master of Science in Computer Science								**TOTAL 90**
Teaching Units								**TOTAL 60**
General								**TOTAL**
Interdisciplinary Computing	M. Courant	2ph+1ph		2ph+1ph		oral	**5**	
User Centered Design (University of Fribourg)	D. Lalanne A. Lisowska Masson	2ph+1ph		2ph+1ph		écrit	**5**	
Multimodal Interfaces (University of Fribourg)	D. Lalanne		2ph+1ph		2ph+1ph	écrit	**5**	
Pervasive Computing: Selected Topics	B. Hirsbrunner A. Lisowska Masson		2ph+1ph		2ph+1ph	écrit	**5**	
Social Computing	P. Cudré-Mauroux G. Demartini	2ph+1ph		2ph+1ph		écrit	**5**	
Parallel Architectures	E. Sanchez	2ph+1ph		2ph+1ph		écrit	**5**	
Connectionism, cognition and consciousness : interdisciplinary approaches to understand the puzzle of the mind	O. JORAND	2ph+1ph		2ph+1ph		oral	**5**	
R&D Workshop	P. KROPF H. MERCIER J. SAVOY		4ph		4ph	controle continu	**10**	
Seminar Interaction Design	A. Lisowska Masson	2ph		2ph		controle continu	**5**	
Distributed Systems								**TOTAL**
Sensor Networks	T. Braun		2ph+1ph		2ph+1ph	écrit	**5**	
Advanced Networking and Future Internet	T. Braun	2ph+1ph		2ph+1ph		écrit	**5**	
Distributed Systems	P. KROPF	2ph+2ph		2ph+2ph		écrit	**5**	
Security	H. SANGLARD	2ph+2ph		2ph+2ph		oral	**5**	
Concurrency: Foundations and Algorithms	P. FELBER		2ph+2ph		2ph+2ph	écrit	**5**	
Large-scale Distributed Systems	E. RIVIERE		2ph+2ph		2ph+2ph	écrit	**5**	
Advanced Software Engineering (University of Fribourg)	J. Vogel	2ph+1ph		2ph+1ph		oral	**5**	
Advanced Database Systems (University of Fribourg)	P. Cudré-Mauroux		2ph+1ph		2ph+1ph	écrit	**5**	
Theory and Application of Automated Verification	U. Ultes-Nitsche	2ph+1ph		2ph+1ph		oral	**5**	
Web Engineering	O. Abou Khaled P. FELBER E. Mugellini	2ph+1ph		2ph+1ph		oral	**5**	
Scientific Reading in Computer Networks	T. Braun	1pg		1pg		controle continu	**5**	
Scientific Writing in Computer Networks	T. Braun	1pg		1pg		controle continu	**5**	
Seminar Communication and Distributed Systems	T. Braun	2ph		2ph		controle continu	**5**	
Scientific Reading in Computer Networks	T. Braun		1pg		1pg	controle continu	**5**	
Scientific Writing in Computer Networks	T. Braun		1pg		1pg	controle continu, Séminaire	**5**	
Seminar Communication and Distributed Systems	T. Braun		2ph		2ph	controle continu	**5**	
Seminar Pervasive Artificial Intelligence	M. Courant B. Hirsbrunner	1pg		1pg		controle continu	**5**	
Seminar Pervasive Artificial Intelligence	M. Courant B. Hirsbrunner		1pg		1pg	controle continu	**5**	
Advanced Software Engineering								**TOTAL**
Programming Languages	M. Lungu O. Nierstrasz		2ph+1ph		2ph+1ph	écrit	**5**	
Seminar Software Composition	M. Lungu	2ph		2ph		controle continu	**5**	
Seminar Software Composition	O. Nierstrasz		2ph		2ph	controle continu	**5**	
Seminar Efficient IT or IT for Efficiency	O. Abou Khaled J. Hennebert E. Mugellini	1pg		1pg		controle continu	**5**	
Advanced Information Processing								**TOTAL**
Rendering Algorithms (University of Bern)	M. Zwicker		2ph+1ph		2ph+1ph	écrit	**5**	
Computer Vision	P. Favaro	2ph+1ph		2ph+1ph		écrit	**5**	
Convex Optimization	P. Favaro		2ph+1ph		2ph+1ph	écrit	**5**	
3D Geometry Processing	M. Zwicker	2ph+1ph		2ph+1ph		écrit	**5**	
Natural language processing	J. SAVOY		2ph+2ph		2ph+2ph	écrit	**5**	
Information retrieval and internet	J. SAVOY		2ph+2ph		2ph+2ph	écrit	**5**	
Machine learning and data mining	J. SAVOY	2 +2		2 +2		écrit	**5**	
Design and Graphics Programming for Game Development (University of Fribourg)	M. Rigamonti	2ph+1ph		2ph+1ph		oral	**5**	
Applied Signal Processing	A. Humm		2ph+1ph		2ph+1ph	oral	**5**	
Applications of Artificial Intelligence	M. Eichenberger-Liwicki	2ph+1ph		2ph+1ph		oral	**5**	
Seminar Computer Graphics	M. Zwicker	2ph		2ph		controle continu	**5**	
Seminar Computer Vision	P. Favaro	2pg		2pg		controle continu	**5**	
Seminar Computer Graphics	M. Zwicker		2ph		2ph	controle continu	**5**	
Seminar Computer Vision	P. Favaro		2ph		2ph	controle continu	**5**	
Seminar Natural Language Processing	J. SAVOY	2ph		2ph		controle continu	**5**	
Seminar Information Representation 2: Project	D. Lalanne	1pg		1pg		controle continu	**5**	
Seminar Pattern Recognition and Machine Learning for Human Activity	O. Abou Khaled J. Hennebert E. Mugellini	1pg		1pg		controle continu	**5**	
Scientific Communication in Document Image Analysis: Reading, Writing, and Presentation Skills	M. Eichenberger-Liwicki		1pg		1pg	controle continu	**5**	
Seminar 2D Vision in Document Analysis	M. Eichenberger-Liwicki	1pg		1pg		controle continu	**5**	
Logic								**TOTAL**
Computability Theory	T. Strahm		2ph+1ph		2ph+1ph	oral	**5**	
Dynamic Epistemic Logic	T. Studer	2ph+1ph		2ph+1ph		oral	**5**	

Course	Professor					Exam	ECTS
Modal Fixed Point Logics	G. Jäger	2ph+1ph		2ph+1ph		oral	**5**
Probabilistic Algorithms (6 ECTS)	I. COTOFREI	4ph		4ph		Note d'enseignement	**5**
Automata on Infinite Structures	U. Ultes-Nitsche		2ph+1ph		2ph+1ph	oral	**5**
Seminar Logic and Algebra	G. Jäger G. Metcalfe T. Strahm	2ph		2ph		controle continu	**5**
Seminar Logic and Computer Science	G. Jäger	2ph		2ph		controle continu	**5**
Seminar Logic and Algebra	G. Jäger G. Metcalfe		2ph		2ph	controle continu	**5**
Seminar Homotopy Type Theory	U. Buchholtz		2ph		2ph	controle continu	**5**
Seminar Systems and Software Verification	U. Ultes-Nitsche	1pg		1pg		controle continu	**5**
Seminar Model Checking	U. Ultes-Nitsche		1pg		1pg	controle continu	**5**
Graduate Seminar Logic and Information	G. Jäger G. Metcalfe K. STOFFEL U. Ultes-Nitsche	1pg		1pg		controle continu	**5**
Graduate Seminar Logic and Information	G. Jäger G. Metcalfe K. STOFFEL U. Ultes-Nitsche		1pg		1pg	controle continu	**5**
Information Systems and Decision Support							**TOTAL**
E-governement frameworks	A. SANDOZ		2ph+2ph		2ph+2ph	oral	**5**
Combinatorial Optimization	H. Gröflin	2ph+1ph		2ph+1ph		oral	**5**
Quantitative Models in Revenue Management (University of Fribourg)	H. Gröflin T. Hürlimann		2ph+1ph		2ph+1ph	oral	**5**
Scheduling: Models and Methods	H. Gröflin		2ph+1ph		2ph+1ph	oral	**5**
Transportation Logistics: Quantitative Models and Methods	I. Blöchliger T. Hürlimann		2ph+1ph		2ph+1ph	oral	**5**
Best Practice in Mathematical Modelling	T. Hürlimann	2ph+1ph		2ph+1ph		oral	**5**
Seminar Data Management Infrastructures	P. Cudré-Maroux	1pg		1pg		controle continu	**5**
Rattrapage							**TOTAL 30**
Intelligence artificielle	J. SAVOY	2ph+2ph				écrit	**6**
Operating Systems	E. RIVIERE		2ph+2ph			écrit	**6**
Structure de données et algorithmique	A. SANDOZ	2ph+2ph				controle continu	**6**
Systèmes répartis	P. KROPF	2ph+2ph				écrit	**6**
Mathématiques discrètes et applications	H. MERCIER	2ph+2ph				écrit	**6**
Téléinformatique-VITELS	P. KROPF	1pg	1pg			controle continu	**6**
Algèbre linéaire	E. GORLA	4ph+3ph+1j				controle continu	**9**