Computational Musical Creativity (2019-2020), Ángel Faraldo
Master in Sound and Music Computing, Universtitat Pompeu Fabra

Course Plans

Wednesday 17 to 19:30 h.	Topics	Assignments
Week 1 (8 January)	Introduction to the course Algorithmic thinking in music	Experimenting with Pd
Week 2 (15 January)	Pure Data programming language	Probability and noise, automation **(composition 1)**
Week 3 (22 January)	On Sound Synthesis Synthesis techniques in Pd	Implement a synthesis technique of your choice
Week 4 (29 January)	Algorithmic Music Markov Models and Pd	Style imitation exercise **(composition 2)**
Week 5 (5 February)	NIME and Controllers Smartphones, Pd and other environments	Smartphone digital instrument design **(composition 3)**
Week 6 (12 February)	Mapping and expressiveness Mapping Exercises	Mapping Exercises
Week 7 (19 February)	Granular, Concatenative and non-standard synthesis methods	Preparation for **performance**
Week 8 (26 February)	Demos of existing systems (Reactable, Miss...)	Preparation for **performance**
Week 9 (4 March)	Final **performance**	Readings on evaluation and evaluation of classmate's performances
Week 10 (11 March)	Evaluation in NIME and HCI **Performance** evaluation	Write final paper

Course Evaluation

Task	Percentage	Grouping
Weekly assignments and class participation	50%	individual
Composition exercises	15%	individual
Performance	15%	groups (2-3)
Paper	20%	groups (2-3)