

Design Patterns

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1. Before we start...

🖥️ Laptops welcome!

Discussions welcome... but with me!

2. Sorry...

For not being able to travel...

For not speaking a single word of Russian! Or too few

2nd time only (in English) for this course!

3rd year for me teaching at Innopolis!

👤 Who am I ?

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Professor at IUT de Blagnac		
Head of the SM@RT team of the CNRS-IRIT Lab		0 0
Teaching Undergraduate (IUT), M.Sc. (Master), Doctorate:		
UML™ / SysML™		0 0
OO concepts		
Agile methods		



3. Let's talk about you...

<https://docs.google.com/spreadsheets/d/1Xs-3Ys7CfMk1zAr93QHwISDU2VxV4s7wagCR7KLFEMc/edit?usp=sharing>

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Looking for...

Is there any **French speaking** student?

Who is also registered in MPA?

4. Materials in live...

<http://bit.ly/innopolis-patterns>

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5. Principles

Object Oriented Programming

⇒ pre-requisite

Good practices

⇒ e.g., SOLID

Design Patterns

Learn through practice

Teaching principles

6. Organization

Revise good OO practices

Study classical and illustrative patterns

Learn good OO principles

Teaching pattern:

Practice on board/paper concept X

Practice on computer concept X

Lecture on concept X

Repetition and integration of previous ones

7. Schedule and organization



Dates for F20 session, and subject to modifications

#	Date	Topic	
1-3	Nov. 2/3	Introduction , Organization & Coding Dojo	0
4-6	Nov. 9/10	First pattern: Strategy	0
7-9	Nov. 16/17	Singleton pattern	0
10-12	Nov. 23/24	Factory pattern	0
13-15	Nov. 30/01	Principles in OO	0
16-18	Dec. 7/8	Observer pattern	0
19-20	Dec. 14/15	JTable example	0
project	??	Refactoring project	
exam 1	??	Extra patterns presentations	
exam 2	??	Final Exam	