

MANAGEMENT OF IT PROJETS

1. SYLLABUS INFORMATION

1.1. Course title

Management of IT Projects

1.2. University

Université de Bordeaux

1.3. Semester

2nd year, 1st semester

2. COURSE DETAILS

2.1. Course nature

Compulsory

2.2. ECTS Credit allotment

3

2.3. Recommendations

None

2.4. Faculty data

Prof. Pascal Desbarats - LaBRI - firstname.lastname@u-bordeaux.fr

3. COMPETENCES AND LEARNING OUTCOMES

3.1. Course objectives

The main objective of this class is to offer the students an overview of methods and concepts related to IT projects: specification, design, planning, project tracking. The students learn how to apply the fundamentals of software engineering methods and tools on a real project.

3.2. Course contents

1. Fundamentals of software engineering and classical methods:

- V cycle
- W cycle

2. Tools:

- Kanban,
- Gantt chart
- versioning

3. Agile methods

- Extreme Programming
- Scrum
- Lean

3.3. Course bibliography

- Learning Agile: Understanding Scrum, XP, Lean, and Kanban. Andrew Stellman and Jennifer Greene. O'Reilly Editions. 1st edition : 2014.

- Essential Scrum: A Practical Guide to the Most Popular Agile Process. Kenneth S. Rubin. Addison Wesley. 1st edition : 2012

4. TEACHING-AND-LEARNING METHODOLOGIES AND STUDENT WORKLOAD

Activity	Hours
Lectures	24

5. EVALUATION PROCEDURES AND WEIGHT OF COMPONENTS IN THE FINAL GRADE

Evaluatory activity	%
Student's progress	50
Produced material (scrumboard, gantt chart, report, slides)	50