Course description

General information		
Course leader	**Guillaume MANITRA**	
Course title	**Innovative Project 2**	
Study programme		
Course status	**Graduate Program**	
Year	1	
Number of credits and mode of teaching delivery	ECTS student workload coefficient	8
	Number of hours (L+E+S)	184

1. COURSE DESCRIPTION

1.1. Course objectives

Epitech Innovative Project is the final large project the students work in group.
The aim of the module is to conduct a real-case project from scratch as it would be in a company.
It teaches the students to be autonomous, to take decisions and to be able to argue an opinion on a project.

1.2. Conditions for enrolment in the course

No requirement.

1.3. Expected learning outcomes of the course

LO1 - Implement an action plan to solve a complex problem in applied computing.

LO2 - Apply the acquired knowledge and skills in precise, thorough and efficient solving of work tasks in a team environment.

LO3 - Demonstrate and use effective non-violent conflict resolution procedures in the project team and towards other stakeholders.

LO4 - Critically evaluate the suitability of tools, techniques and methods for solving work tasks in a team environment.

LO5 - Adapt to teamwork in solving work tasks in a team environment.

1.4. Course content

Epitech Innovative Project is a large project in groups on which the students work for one and half year. It starts in September during the first year of the program and finishes in January of the second year of the program.

It splits between several milestones:

- The first milestone corresponds to the ideation and the prototyping phases, when the students set up the very beginning of the project, to come up with the Project Log Document which will be sent before the start of every "sprint".

- The second milestone corresponds to the elaboration of the project, dividing in six "sprints" – period starting with the definition of objectives during a kick-off meeting to be completed by the end of the same period of time and presented during the delivery meeting. In between, one or two follow-ups will be planned to follow up on the group progress. Every student should complete a work equivalent to 8 hours minimum per day. Every "sprint" corresponds to a topic:
  → Test and Learn – 3 ECTS
  → Management and Process – 4 ECTS
  → Fast Forward – 3 ECTS
  → Beta and Growth Hacking – 5 ECTS
  → Consolidation – 4 ECTS
  → Launch and Metrics – 3 ECTS

One or two-day seminars are organised during the second year of the program.

- The third milestone corresponds to the final delivery and the oral presentation. A national event is organised to present the best projects of the students in front of a professional jury.

Through the project, the students are mentored by one Croatian and one French supervisors from EPITECH and Algebra.

1.5. Teaching delivery modes:	☐ lectures ☒ seminars and workshops ☐ exercises ☐ remote learning ☐ field work	☒ independent work ☐ multimedia and network ☐ laboratory ☒ mentoring ☐ other __
1.6. Comments		

1.7. Student obligations
For every milestone, the students are expected to write technical documentation to illustrate the progress of the project. Every sprint lasts from 3 to 5 months. The communication as well as the documentation must be submitted on the online platform, dedicated to Innovative Project. The students are supposed to work on the Innovative Project for 8 hours per week.

1.8. Monitoring[1] student work

Class attendance		Activity during class		Seminar paper		Experimental work	

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[1] IMPORTANT NOTES: Next to each method of monitoring student work it is necessary to insert an adequate share of each activity in ECTS credits, so the total number of ECTS credits corresponds to the credit value of the course. You can use empty fields for additional activities.

Written exam		Oral exam		Essay		Research	
Project	100%	Continuous assessment of knowledge		Student report		Practical work	
Portfolio							

1.9. Assessment and evaluation of student work during classes and the final exam

The students will be evaluated on the decisions taken as the consequences of unexpected issues, the ability to solve problems and to find the missing information.

At the start of every sprint, each group of students will be expected to elaborate the roadmap for the sprint, by allocating several tasks to each teammate, corresponding to a certain amount of time, equivalent to the number of ECTS. For every meeting with the supervisor, the students must submit the Product Log Document with the number of hours spent on each tasks of the project and another meeting is planned to check on the completion of every task listed previously. They will be evaluated on the results of the work done by each student, at the end of the sprint. Depending on the results of each task, the students will get the full number of credits. This system is called "variable credit".

The variable credit applies only for the Innovative Project as the aim of the module is to use the same working environment as it could be in a company.

Every "sprint" corresponds to a topic and a number of credits the students can get:

- ➔ Test and Learn – 3 ECTS
- ➔ Management and Process – 4 ECTS
- ➔ Fast Forward – 3 ECTS
- ➔ Beta and Growth Hacking – 5 ECTS
- ➔ Consolidation – 4 ECTS
- ➔ Launch and Metrics – 3 ECTS

Due to the project approach of the module, the students achieve the module by giving 3 presentations/pitch of their project in front of different committee, evaluation on the desirability, the viability and the feasibility of the project. For each presentation, the students will be evaluated for a total of 8 ECTS.

1.10. *Required reading (at the moment of submitting the joint study programme report)*

1.11. *Additional reading (at the moment of submitting the joint study programme report)*

1.12. *Number of copies of required reading in relation to the number of students who currently attend a course*		
Title	*Number of copies*	*Number of students*

1.13. Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies.		

The content of each modules is continuously revised to teach the students on the most up-to-date notions and concepts of IT. Indeed, the range of skills and knowledge in this sector is constantly getting broader, with a larger perspective of working in many different fields.

To ensure the quality of the teaching, a Steering Committee supervises the Quality Management System. The evolution of the teaching content is revised and validated by the Development Council. The teachers as well as the administration staff are evaluated by the students themselves. Finally, the teaching content is analysed and determined by evaluating the skills during the internships, by the partner companies.