

IDENTIFICATION

Course code : E3AG6RD10
ECTS : 3

DURATION

Lectures : 0
Tutorial classes : 0
Labs : 0
Total : 0

Project :
Personnal work :

ASSESSMENT

Framework Note Mid-term Defense Project
Report Oral Defense

TEACHING MATERIALS

LANGUAGE

English

CONTACT

Joël COUPRIE
joel.couprie@univ-reunion.fr

Modifié le : 14 juillet 2026

UE : UE6-R

**COURSE : Supervised Project + Skills Assessment
(English/Internship)**

SCOPE OF THE COURSE

OBJECTIVES

Implement all knowledge in the food science and technology field to formulate a product (prototype) in partnership with a company in the sector.

COMPETENCE AND SKILLS

Develop a simple specification sheet based on predefined constraints (Nutri-Score, anti-waste law, etc.) Design and implement a simple experimental plan Formulate and process a product Adapt and select product characterization methods (physicochemical, rheological, sensory, nutritional, shelf life) according to objectives Understand scientific and technical resources in English

PROGRAM

On a project proposed by a company in the food industry, students (in pairs or threes) implement all the knowledge in the field to formulate a new product. Students must study, if possible, all aspects of developing a new product, namely : Establish a functional specification sheet Conduct a marketing study (market research) Carry out a bibliographic and regulatory synthesis Develop a formulation approach Evaluate product quality (physicochemical, nutritional, rheological characterization, preservation) Establish a product manufacturing flowchart Characterize and test the concept (analysis, sensory evaluation, cost study, positioning, sustainability assessment)

BIBLIOGRAPHY

REQUIREMENTS

Functional properties of foods Formulation Data Analysis 1 Product Analysis (analytical tools) Sensory evaluation Nutrition 1 General Accounting Applied Marketing in Food Industry Survey Management English Research and documentary monitoring (standards, patents, scientific publications) Eco-design Innovation methodology Unit operations Project management