

## Syllabus Course description

Course title	Fruit fermentation
Course code	43072
Scientific sector	AGR/16
Degree	Agricultural and Agro-Environmental Sciences
Semester	II
Year	II, III
Academic year	2018/19
Credits	3
Modular	No

Total lecturing hours	
Total lab hours	20
Total exercise hours	10
Attendance	Strongly recommended
Prerequisites	
Course page	

Specific educational objectives	The course is a deepening of the disciplinary field of food microbiology, as a characterizing course.  The aim of the course is to provide advanced knowledge on fruits fermentation.  The course gives a general overview on the physiology and biochemistry of lactic acid bacteria and yeasts, which have used for making fruit-based fermented products. The use of starter cultures and criteria for their selection has supplied. The effect of the fermentation on fruit properties is given with particular emphasis on the sensory, shelf life
	and nutritional features.

Lecturer	Prof. Raffaella Di Cagno
Scientific sector of the lecturer	AGR/16
Teaching language	English
Office hours	From Monday to Thursday, on appointment
Teaching assistant (if any )	
Office hours	
List of topics covered	Ecophysiology and metabolism of lactic acid bacteria, fructophilic lactic acid bacteria and yeasts. Lactic acid bacteria microbiota of raw fruits. Spontaneous fermentation and main fermented vegetable and fruit products. Starter cultures and criteria for their selection. Metabolic adaptation of lactic acid bacteria during fruit fermentation.

