

Course Specifications

Valid as from the academic year 2024-2025

Food Safety of Packaging Materials (1690010)

Course size	(nominal values; actual valu	es may depend on progran	nme)		
Credits 3.0	Study time 90) h			
Course offerings and	teaching methods in academic y	vear 2024-2025			
A (Year)	English	Kortrijk		lecture	
				independent wor	k
Lecturers in academi	c year 2024-2025				
De Meulenaer, Bruno LA23			LA23	lecturer-in-charge	
Vermeulen, An			LA23	co-lecturer	
Offered in the follow	ing programmes in 2024-2025			crdts	offering
	ce in Sustainable Food Packaging			3	A
Teaching languages					
English					
Keywords					
-	aterials, migration, legislation, mic	roplastics			
Position of the cours	e				
Due to their inte the food matrix, This may affect t and the sensoria substances from contact material considered: plas elastomers and transfer phenom legislative frame EU will be outlin to evaluate the transfer of (vola be covered. Thes include chemica migration from	substances are migrating from th food safety al quality of food. In this course the the to the food will be presented. Var tics, rubbers, metals, glass, paper and t hena, detailed eworks are developed in order to g ework of the hed, next to the US FDA legislation. tile and non-volatile) substances to the analytical approaches and the mission	e contact material to the f e factors impacting the tra rious types of materials wi poard. Due to these mass guarantee food safety. The The methodological appro from food contact material athematical prediction of t	ood. nsfer of II be aches Is, will		
Contents					
2. Legislative an	pects of material transfer from fo d normative aspects of migration al aspects in the evaluation of the ls	from food contact materia	ls		
Initial competences					
-	ires knowledge about the various I for	types of materials contact	ing		

instance in the course Food packaging systems: materials, machines and packaging conditions.

Final competences

- 1 To acquire profound knowledge and insights in the material transfer from food contact materials to foods.
- 2 To evaluate critically the material transfer from food contact materials in a food safety and legislative context (e.g. interpreting and drafting a Declaration of Compliance).

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Lecture, Independent work

Extra information on the teaching methods

Lectures (can be organised online): (20 hrs) Plenary exercises are exercises with simulation software (cannot be organised online). (5 hrs) Guided self-study (can be organised online): Students will carry out a case with respect to the specifications of a Declaration of Compliance (DOC) (5 hrs)

Study material

Type: Slides

Name: Food Safety of Packaging Materials Indicative price: Free or paid by faculty Optional: no Language : English Number of Slides : O Available on Ufora : Yes Online Available : Yes Available in the Library : No Available through Student Association : No

References

Migration from food contact materials. L.L. Katan, Springer, ISBN 978-1-4613-1225-3

https://ec.europa.eu/food/safety/chemical_safety/food_contact_materials_en

https://www.efsa.europa.eu/en/applications/foodcontactmaterials

Course content-related study coaching

Before and after the lectures and exercises, the student can ask the teacher or assistant for additional information or explanations. The teacher and assistant can also be contacted by e-mail.

Assessment moments

end-of-term and continuous assessment

Examination methods in case of periodic assessment during the first examination period

Oral assessment, Written assessment

Examination methods in case of periodic assessment during the second examination period

Oral assessment, Written assessment

Examination methods in case of permanent assessment

Participation, Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible in modified form

Extra information on the examination methods

The written exam comprises an open book and closed book part and will be discussed orally.

The assignments include a report on the DOC and the migration simulation exercises.

The participation includes active participation and significant and valuable contribution to the plenary discussion of the case studies.

Calculation of the examination mark

Theory: (67%): written exam Practice: (33%):scored on the report of the assignments.

The student needs to participate in all assignments and exams that are part of the evaluation (period aligned and non-period aligned). Students who eschew period aligned and/or non-period aligned evaluations for this course unit, or when one obtains a score lower than 8/20 (not rounded up) on one of both parts (period aligned or nonperiod aligned evaluation), they will fail for this course unit. In that case the end score is set to 9/20 even when the calculation indicates a point of 10/20 or more.