



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Hygiene and Sanitation in Dairy Industry							
Course Code		ST406		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	2	Workload	46 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Giving basic knowledge to get hygiene and sanitation, properties of cleaning and detergents materials to be used with the principle of transferring, quality assurance and given data associated with sanitation programmes organization are purposed.							
Course Content		Transferred of depending on relationship of microorganisms and sanitation, giving information on cleaning and disinfection, and properties of substances used in the field of quality assurance and sanitation programs to have information about the development.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	1. Kayardı Semra, 2005; Gıda Hijyeni ve Sanitasyon
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Week	Weekly Detailed Course Contents	
1	Theoretical	Dairy industry and sanitation
2	Theoretical	Relationship between microorganisms and sanitation
3	Theoretical	Cleaning and cleaning material
4	Theoretical	Disinfection and disinfectant
5	Theoretical	Process of cleaning and disinfection
6	Theoretical	Sanitation equipment and their systems
7	Theoretical	Remarkable properties of sanitation application, Personal hygiene plant
8	Intermediate Exam	Mid term exam
9	Theoretical	Removal of effluent
10	Theoretical	Development of quality assurance and sanitation programmes
11	Theoretical	Hygiene of water
12	Theoretical	Hygiene of air
13	Theoretical	Management and sanitation
14	Theoretical	Hygiene of plant
15	Theoretical	General repetition
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Individual Work	14	0	1	14
Midterm Examination	1	0	2	2
Final Examination	1	0	2	2
Total Workload (Hours)				46
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	Students should be able to; basic subjects to get hygiene and sanitation
2	have ability properties of cleaning and detergents materials to be used with the principle of transferring
3	have sufficient information about sanitation equipments and their practice
4	have necessary information about quality assurance programme with growing of sanitation programme in plant.
5	The knowledge of removal of dairy effluent

Programme Outcomes (Dairy Technology)

1	Having sufficient infrastructure in basic sciences and engineering subjects and ability to use the theoretical and applied info instantly in this field.
2	Determining the modern techniques, tools and information technologies required for applications related with his field and ability to use them efficiently
3	Ability for planning, projecting, and designing, following up, analyzing and finding target-driven solutions related with his field
4	Ability to have professional ethic and awareness.
5	Ability to work, decide, express opinions orally and in written individually
6	Ability to participate team studies, taking responsibility, making leadership.
7	Ability to conceive Atatürk's principles and reforms, to communicate in Turkish and foreign language.
8	Ability to comprehend the necessity to learn for a life time, to monitor developments in science and technology and continuously renew himself.
9	Having sufficient level of information about production and quality control of milk and dairy products and also product development, increasing product quality and food security fields.
10	Ability to detect, define, solve problems related with his field and to select and apply suitable methods and modeling techniques for this purpose.
11	To be conscious about workplace applications, worker health, work security and environment subjects, to have knowledge about legal results of the engineering applications related with his subject.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	4	4	4	4	4
P9	5	5	5	5	5
P11				5	5

