



**AYDIN ADNAN MENDERES UNIVERSITY**  
**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  
**FIELD CROPS**  
**FIELD CROPS**  
**FIELD CROPS MASTER**  
**COURSE INFORMATION FORM**

Course Title	Cotton Gin, Bale and Store Technology								
Course Code	ZTB522	Course Level			Second Cycle (Master's Degree)				
ECTS Credit	8	Workload	198 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	To ensure learning ginning machines, baling technology and suitable storage systems								
Course Content	Ginning machines, effects quality of ginning, baling technology, seed cotton, cotton fiber and seed storage								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Project Based Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	1. Lakweta, A., 2005. Inventing the Cotton Gin: Machine And Myth in Antebellum America. Jhon Hopkins Paperbaks edition
2	2. Ođlakçı, M., Bölek, Y., Çopur, O., 2007. Pamukta Hasat, Depolama ve Çırçırılama. Şanlıurfa Ticaret Borsası Yayınları, Yayın No: 3, Şanlıurfa, 98 sayfa.
3	3. Kohel, R. J., Lewis, C.F., 1984.Cotton.American Society of Agronomy Inc., No:24
4	4. Hake, S.C., Kerby,T.A., Hake,K.D., 1996. Cotton production manual. University of California, Division of Agriculture and Naturel Researches, publication, 3352

Week	Weekly Detailed Course Contents	
1	Theoretical	Importance and history of ginning
	Preparation Work	Literature rewiev
2	Theoretical	The system of cotton gin and characteristic
3	Theoretical	Rolergın cotton gin machine and its labour
	Preparation Work	The research in gin factory
4	Theoretical	the characteristic that should be taken into consideration in rollergin
	Preparation Work	The research in gin factory
5	Theoretical	Sawgin cotton gin machine and its labour
	Preparation Work	The research in gin factory
6	Theoretical	The characteristic that should be taken into consideration in sawgin
	Preparation Work	The research in gin factory
7	Preparation Work	Term paper
8	Intermediate Exam	Midterm Exam
9	Theoretical	The Bale types
	Preparation Work	Presentation of bale types
10	Theoretical	Bale packaging materials
11	Theoretical	The characteristic that should be taken into consideration in bale
	Preparation Work	Bale labeling
12	Theoretical	The system of appropriate store
	Preparation Work	The research in conditions of storage
13	Theoretical	Storage of seed cotton
	Preparation Work	The research in conditions of storage
14	Theoretical	Storage of pressed cotton
15	Theoretical	Storage of cotton seed
	Preparation Work	The research in conditions of storage



16	Final Exam	Final exam
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Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	2	2	56
Assignment	3	20	0	60
Midterm Examination	1	8	1	9
Final Examination	1	16	1	17
Total Workload (Hours)				198
[Total Workload (Hours) / 25*] = ECTS				8

\*25 hour workload is accepted as 1 ECTS

Learning Outcomes	
1	1. To be able to evaluate the importance of ginning
2	2.To be able to synthesise techniques of ginning to obtain quality and productive fibre
3	3.To be able to evaluate the importance of baling and storage
4	4.To be able to solve the problems in the ginning, baling and storage.
5	Cotton Fiber Characteristics

Programme Outcomes (Field Crops Master)	
1	To be able to improve and deepen the level of expertise in field crops on the basis of the departments licenses qualifications.
2	To be able to recognize the subjects related to field crops, to be able to solve these and make interpretation.
3	To be able to have the skills of acting independently, to have power to decide and to create.
4	To be able to work in teams between departments
5	To be able to give briefing about latest information of Field Crops in written, oral and visual ways.
6	To be able to take responsibility for developing the new approaches and to formulate a solution facing unforeseen complex situations of applications,
7	To be able to defend the original opinions in both Turkish and in foreign languages by using these languages and communicating effectively.
8	To be able to contribute to science by producing knowledge for the aim of improving quality, efficiency and sustainability
9	To be able to apply breeding methods in order to improve new varieties for Field Crops.
10	To be able to maintain and select the appropriate statistical methods within the framework of the study, evaluation of scientific ethics; to convert the results into a report/dissertation and to offer them by producing scientific publications.

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	4	4	4	4	5
P2	5	5	5	5	5
P3	4	4	4	5	5
P4	3	3	3	3	5
P5	4	4	4	4	5
P6	5	5	4	5	5
P7	5	5	5	5	5
P8	5	5	5	5	5
P9	5	5	5	5	5
P10	5	5	5	5	5

