AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Researching, Planning, Evaluation and Presentation Techniques								
Course Code	ZTM533		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	8	Workload	203 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The main purpose of the course, graduate students the importance of research and development has to adopt the logic, the principles of statistical planning of experiments and trials in accordance with the data obtained from statistical evaluation of experimental design and interpretation of the results to teach.								
Course Content	The main parts of a reserch, resource identification, data entry and outcomes assessment, determination of objectives, presentation organization, presentation it will ensure the selection of instruments to be used.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual 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	New Directions for Agriculture and Agricultural Research. 1988. Dahlberg, K.A., Rowman & Allanheld Publ., U.S.A., ISBN 0-8476-7417-7,436 p.
2	Testing of Agricultural Technological Processes. 1986 (Translated from Russian). Kardashevskii, at al, Rajkamal Electric Press, Delhi,

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction, goals, expectations
2	Theoretical	General principles of research and planning
3	Theoretical	Research techniques
5	Theoretical	Literature research
6	Theoretical	Information analysis
7	Intermediate Exam	Midterm exam
8	Theoretical	Observation, perception, thinking,
9	Theoretical	Approach to problem solving and analysis
10	Theoretical	Trial planning
11	Theoretical	Analysis approach to outcome
12	Theoretical	Audio-visual aids of presentation
13	Theoretical	Ethics of Science
14	Theoretical	Sample presentation
15	Theoretical	Presentations.
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Lecture - Practice	14	1	2	42
Seminar	14	0	3	42
Term Project	3	0	10	30
Midterm Examination	1	20	1	21

Final Examination	1	25	1	26
			Total Workload (Hours)	203
			[Total Workload (Hours) / 25*] = **ECTS**	8
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Understanding research and development logic and the importance of research
2	Gaining research projects, national and international basis in the direction of the planning and evaluation of their skills.
3	To know attempt to increase the degree of accuracy and reliability of the experiment the principles of proper trial.
4	Statistics accordance with the principles of data acquisition and gain the ability to make observations
5	For the purpose of the study to choose the pattern of trial
6	To gain skills in conducting trials with great care
7	To provide ability of accurate and impartial decision-making.

Programme Outcomes *(Agricultural Machinery Master)*	
1	Identification, formulation and solving the problems in the field of Agricultural Machinery
2	The ability to use modern engineering tools and techniques
3	The ability to use the information, which is obtained by following the scientific and technological developments, in the academic life and practice.
4	The ability to evaluate multi-faced relationship between them by understanding interaction among agricultural technology, soil, plants and animals
5	Professionalism and ethical responsibility
6	The ability to work in disciplinary and multi-disciplinary teams
7	The ability to communicate effectively
8	The ability to do research for accessing information and to use data base and other resources
9	The ability to do analyze and interpret the experimental results and the design of experiment
10	The ability to identify and interpret knowledge of current professional issues and events
11	The ability to get aware the universal and social effects of engineering solutions and applications
12	Accordance with the requirements of science and technology, ability to use scientific knowledge creative

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

	L1	L2	L3	L4	L5	L6	L7
P1	5	5	5	4	5	5	5
P2		5	5	5	5	5	5
P3	5	5	5	5	5	5	5
P5	4	4	4	4	5	4	4
P6			3				
P7	4						
P8						4	
P9				5	5	5	5
P10	4	3					