



**AYDIN ADNAN MENDERES UNIVERSITY**  
**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  
**MATHEMATICS AND SCIENCE EDUCATION**  
**SCIENCE EDUCATION**  
**SCIENCE EDUCATION MASTER**  
**COURSE INFORMATION FORM**

Course Title	Thesis Study II								
Course Code	TEZ702			Course Level		Second Cycle (Master's Degree)			
ECTS Credit	22	Workload	545 (Hours)	Theory	0	Practice	1	Laboratory	0
Objectives of the Course	Conducting the thesis study, presenting the latest developments about the thesis and getting information about the thesis and explaining the opinions, contributing to the improvement of the quality of the thesis, giving the idea, creating the synergy in the selection and execution of the thesis topics in the departments and reaching the conclusion of the thesis efficiently.								
Course Content	Conducting and writing the thesis on the subject.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study, Project Based Study, Individual Study, Problem Solving								
Name of Lecturer(s)	Res. Assist. Gülşen GÜVEN, Assoc. Prof. Abdullah ÖZDEMİR, Assoc. Prof. Abdullah YALÇIN, Assoc. Prof. Ahmet TOKSOY, Assoc. Prof. Altuğ ÖZDEN, Assoc. Prof. Arzu GÜLER, Assoc. Prof. Aslı İCİL TUNCER, Assoc. Prof. Aslı YENİPAZARLI, Assoc. Prof. Atakan HATİPOĞLU, Assoc. Prof. Aynur CİVELEK, Assoc. Prof. Aysun SARIBEY HAYKIRAN, Assoc. Prof. Ayşe ÖZTÜRK SAMUR, Assoc. Prof. Aytaç Gürhan GÖKÇE, Assoc. Prof. Berfin KART, Assoc. Prof. Bertan AKYOL, Assoc. Prof. Bülent Sarper AĞIR, Assoc. Prof. Cem ESEN, Assoc. Prof. Cengiz İskender ÖZKAN, Assoc. Prof. Cengiz ÜNSAL, Assoc. Prof. Çağrı KÖROĞLU, Assoc. Prof. Dilek KARIŞAN KORUCU, Assoc. Prof. Ece ARMAĞAN, Assoc. Prof. Elif ALADAĞ, Assoc. Prof. Emetullah Yasemin BOZDAĞLIOĞLU, Assoc. Prof. Emin Baki ADAŞ, Assoc. Prof. Emine GERÇEK, Assoc. Prof. Emre AKIN, Assoc. Prof. Erkan KIRAL, Assoc. Prof. Erkan SALAN, Assoc. Prof. Ersen YAZICI, Assoc. Prof. Esin ACAR, Assoc. Prof. Esin POYRAZOĞLU, Assoc. Prof. Evrim DERELİ FİDAN, Assoc. Prof. Eylem YILDIZ FEYZİOĞLU, Assoc. Prof. Filiz ADANA, Assoc. Prof. Funda ÇONDUR, Assoc. Prof. Gizem DÖNMEZ YALÇIN, Assoc. Prof. Göksel ERBAŞ, Assoc. Prof. Gül ERBAY ASLITÜRK, Assoc. Prof. Gürhan KELEŞ, Assoc. Prof. Hakan ARSLANER, Assoc. Prof. Hakan HOTUNLUOĞLU, Assoc. Prof. Hamza KAHRİMAN, Assoc. Prof. Hasan GÜLTEKİN, Assoc. Prof. Hatice Hale BOZKURT, Assoc. Prof. Haydar UNCÜ, Assoc. Prof. Hilal BEKTAŞ UYSAL, Assoc. Prof. Hilal ŞAHİN NADEEM, Assoc. Prof. Hüseyin ŞENKAYAS, Assoc. Prof. İbrahim AKIN, Assoc. Prof. İçten Duygu ÇALLI, Assoc. Prof. Mehmet GÜLTEKİN, Assoc. Prof. Mehmet KOÇ, Assoc. Prof. Mehmet TURGUT, Assoc. Prof. Mehmet ULUKAN, Assoc. Prof. Meltem YALIN UÇAR, Assoc. Prof. Merve İrem YAPICI, Assoc. Prof. Mihrican ERDEM, Assoc. Prof. Murat AYDAŞ, Assoc. Prof. Murat ÇEKİLMEZ, Assoc. Prof. Murat Necip ARMAN, Assoc. Prof. Mustafa KESEN, Assoc. Prof. Mustafa Özgür SEÇİM, Assoc. Prof. Necmiye CÖMERTLER, Assoc. Prof. Nermin KORUKLU, Assoc. Prof. Nural EROL, Assoc. Prof. Nursabah SARIKAVAKLI, Assoc. Prof. Osman Orkan ÖZER, Assoc. Prof. Öner CANAVAR, Assoc. Prof. Özge ÇEVİK, Assoc. Prof. Özkan EREN, Assoc. Prof. Özlem BALKIZ, Assoc. Prof. Özlem TÜTÜNCÜLER BİRCAN, Assoc. Prof. Öznur ÖZDAMAR GIOVANIS, Assoc. Prof. Pınar YENGİN SARP KAYA, Assoc. Prof. Rahşan ÇEVİK AKYIL, Assoc. Prof. Reşat KARTAL, Assoc. Prof. Safiye ÖZVURMAZ, Assoc. Prof. Saime SEFEROĞLU, Assoc. Prof. Savaş DUMAN, Assoc. Prof. Selin Muradiye AKÇAY, Assoc. Prof. Selman SAĞLAM, Assoc. Prof. Sema OĞLAK, Assoc. Prof. Serap ÜNÜBOL AYPAK, Assoc. Prof. Serdal ÖĞÜT, Assoc. Prof. Serkan BAKIRCI, Assoc. Prof. Sezai KOÇYİĞİT, Assoc. Prof. Soner ALADAĞ, Assoc. Prof. Soner Sertan KARA, Assoc. Prof. Sündüz Özlem ALTINKAYA, Assoc. Prof. Şerife GENİŞ, Assoc. Prof. Tarık TOTAN, Assoc. Prof. Tendü Hilal GÖKTUĞ, Assoc. Prof. Tolga ÜNÜVAR, Assoc. Prof. Tuncay Ercan SEPETCİOĞLU, Assoc. Prof. Tuncay SAYGIN, Assoc. Prof. Türker SARAÇOĞLU, Assoc. Prof. Utku YAPICI, Assoc. Prof. Ülker ÇOLAKOĞLU, Assoc. 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Emin YİĞİT, Lec. Emre ERDAN, Lec. Emre SEVİNDİK, Lec. Erdal ÖZYURT, Lec. Ersel YILMAZ, Lec. Esin ERGİN, Lec. Fatih EYDURAN, Lec. Fatih Mehmet YILMAZ, Lec. Ferda ZAMBAK, Lec. Ferhat KİREMİT, Lec. Funda ODUNCUOĞLU, Lec. Galip GENÇ, Lec. Gözde Başak ÖZTÜRK, Lec. Gülhan DEMİRİZ, Lec. Gülnur KARAKAŞ TANDOĞAN, Lec. Gülsüm ALKAN, Lec. Güntekin ŞİMŞEK, Lec. Günver GÜNEŞ, Lec. Hakan ATAY, Lec. Hale UYAR HAZAR, Lec. Halil MUTİOĞLU, Lec. Halil TANIR, Lec. Halim Emre ZEREN, Lec. Hanife Can ŞEN, Lec. Hasan ERDOĞAN, Lec. Hatice Kübra BAŞALOĞLU, Lec. Hatice ÖNER, Lec. Hicabi ARSLAN, Lec. Hulusi AKÇAY, Lec. Hüseyin Bilgin BİLGİÇ, Lec. Hüseyin GÜL, Lec. Hüseyin UYSAL, Lec. İbrahim GÖKDAŞ, Lec. Kemal Ramazan HAYKIRAN, Lec. Keziban AMANAK, Lec. Kıymet YAVUZASLAN, Lec. Levent ATATANIR, Lec. Mehmet Ali SÜN BÜL, Lec. Mehmet BAŞARAN, Lec. Mehmet Eren UZ, Lec. Mehmet Metin DAM, Lec. Mehmet Mustafa KARACA, Lec. Mehmet ŞAKIROĞLU, Lec. Mehmet ULUTAŞ, Lec. Mehmet Umur TUNCER, Lec. Mehtap KIZILKAYA, Lec. Meltem ÇENGEL SCHOVILLE, Lec. Meltem İŞIK, Lec. Mesut ÇAKIR, Lec. Murat Kemal AVCI, Lec. Murat ÖZMADEN, Lec.								



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### Prerequisites & Co-requisites

Prerequisite	TEZ701
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### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Quiz	1	20
Attending Lectures	15	20
Report	1	60

### Recommended or Required Reading

1	Thesis Writing Guide
2	Lecture notes on the selected thesis topic
3	All national and international books and publications related to the thesis topic



Week	Weekly Detailed Course Contents	
1	Practice	Exercise and follow-up of thesis
2	Practice	Exercise and follow-up of thesis
3	Practice	Exercise and follow-up of thesis
4	Practice	Exercise and follow-up of thesis
5	Practice	Exercise and follow-up of thesis
6	Practice	Exercise and follow-up of thesis
7	Practice	Exercise and follow-up of thesis
8	Practice	Exercise and follow-up of thesis
9	Practice	Exercise and follow-up of thesis
10	Practice	Exercise and follow-up of thesis
11	Practice	Evaluation of the data obtained in the thesis
12	Practice	Evaluation of the data obtained in the thesis
13	Practice	Preparatory work for the presentation of the data obtained from the thesis
14	Practice	Preparatory work for the presentation of the data obtained from the thesis
15	Practice	Presentation of the data obtained in the thesis (thesis defense examination)

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	15	4	2	90
Assignment	10	5	5	100
Seminar	5	15	5	100
Term Project	5	3	3	30
Individual Work	10	10	10	200
Quiz	5	2	3	25
Total Workload (Hours)				545
[Total Workload (Hours) / 25*] = ECTS				22
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes	
1	To learn universal norms about thesis study
2	To learn about ethical rules
3	To have information about the history and philosophy of science
4	To work in coordination with his / her supervisor
5	To provide research, project and execution of the thesis
6	To gain skills in writing, presenting, defending and publishing the thesis

Programme Outcomes (Science Education Master)	
1	To be able to have an expert theoretical knowledge within the field of science education.
2	To be able to transfer expert knowledge gained in science education into various instructional environment.
3	To be able to integrate science education knowledge with the other disciplines and product functional knowledge
4	To be able to use information and communication technologies efficiently in conceptual learning
5	To be able to find scientific solutions to the problems in the field of science education
6	To be able to evaluate the knowledge critically in the field
7	To be able to participate in team projects in the science education field
8	To be able to adopt lifelong learning strategies to his/her studies
9	To be able to use at least one foreign language efficiently in oral and verbal communication
10	To be able to share national and international data in the field of science education
11	To be able to comprehend and evaluate science-technology-society and environment interactions
12	To be able to comprehends science under the ethical values and take account of ethical considerations
13	To be able to use scientific information in the other domains that is gained in the masters field and have the transfer skills
14	To be able to follow the current development in the science education field



15 To be able to develop strategical plans and evaluate them in the context of quality processes

**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
P1	5		5		5	
P2	4		5		5	
P3	5		5		5	
P4	5		5		4	
P5	5		5	4	5	4
P6	4		5	5	5	4
P7	5		5	5	4	4
P8	5		4	4	5	4
P9	5		5	5	4	5
P10	5	5		4		4
P11	5	5		4		5
P12	5	4		5		4
P13	5	5		5		5
P14	4	5		4		4
P15	5			5		

