



**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 I								
Course Code	TEZ701	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)	<p>Assoc. Prof. Abdullah ÖZDEMİR, Assoc. Prof. Abdullah YALÇIN, Assoc. Prof. Ahmet BİLDİREN, 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 SARİBEY HAYKIRAN, Assoc. Prof. Ayşe YÜKSEL OZAN, Assoc. Prof. Bedriye Tuğba KARAASLAN, Assoc. Prof. Berfin KART, Assoc. Prof. Bertan AKYOL, Assoc. Prof. Bülent Sarper AĞIR, Assoc. Prof. Cengiz İskender ÖZKAN, Assoc. Prof. Cengiz ÜNSAL, Assoc. Prof. Çağrı KÖROĞLU, Assoc. Prof. Elif ALADAĞ, Assoc. Prof. Emin Baki ADAŞ, Assoc. Prof. Emre AKIN, Assoc. Prof. Erkan KIRAL, Assoc. Prof. Erkan SALAN, Assoc. Prof. Ersen YAZICI, Assoc. Prof. Esin ACAR, Assoc. Prof. Evrim DERELİ FIDAN, 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. Hilal BEKTAŞ UYSAL, Assoc. Prof. Hüseyin ŞENKAYAS, Assoc. Prof. İbrahim AKIN, Assoc. Prof. İçten Duygu ÇALLI, Assoc. Prof. Mehmet GÜLTEKİN, Assoc. Prof. Mehmet KOÇ, Assoc. Prof. Mehtap KILIÇ EREN, Assoc. Prof. Meltem YALIN UÇAR, Assoc. Prof. Merve İrem YAPICI, Assoc. Prof. Mihrihan ERDEM, Assoc. Prof. Murat ÇEKİLMEZ, Assoc. Prof. Murat ŞENTUNA, Assoc. Prof. Mustafa Özgür SEÇİM, 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. Özlem OLTULU, Assoc. Prof. Öznur ÖZDAMAR GIOVANIS, Assoc. Prof. Pınar YENGİN SARP KAYA, Assoc. Prof. Raşan 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. Selvinaz SAÇAN, Assoc. Prof. Sema OĞLAK, Assoc. Prof. Serap ÜNÜBOL AYPAK, Assoc. Prof. Serdal ÖĞÜT, Assoc. Prof. Sezai KOÇYİĞİT, Assoc. Prof. Soner Sertan KARA, Assoc. Prof. Sündüz Özlem ALTINKAYA, Assoc. Prof. Şerife GENİŞ, 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. Vehbi Uğur TANDOĞAN, Assoc. Prof. Yaşar KUZUCU, Assoc. Prof. Yıldız DENAT, Lec. Abdullah AKPINAR, Lec. Adil Adnan ÖZTÜRK, Lec. Ahmet ÜNLÜ, Lec. Algin OKURSOY, Lec. Ali BİLGENOĞLU, Lec. Ali GÜREŞ, Lec. Ali İhsan YAPICI, Lec. Ali PETEK, Lec. Ali Serdar SAĞKAL, Lec. Alper KARTAL, Lec. Alper YORULMAZ, Lec. Arzu TANIŞ ÖZÇELİK, Lec. Aydın ERÖN, Lec. Ayfer METİN TELLİOĞLU, Lec. Aynur UÇKAÇ, Lec. Aysun GÜR, Lec. Ayşe Arzu KORUCU, Lec. Ayşe ELİTOK KESİCİ, Lec. Ayten CAN, Lec. Aziz BOSTAN, Lec. Barış GÜR SOY, Lec. Behiç Alp AYTEKİN, Lec. Berrin GÜNER, Lec. Beste DİNÇER, Lec. Bilge DOĞANLI, Lec. Bilgen KIRAL, Lec. Birgül CAMBAZOĞLU, Lec. Burak FEYZİOĞLU, Lec. Bülent ÇELİK, Lec. Bülent YILDIZ, Lec. Cenk AKYÜZ, Lec. Çağatay DERECELİ, Lec. Çiğdem ALP PAMUK, Lec. Çisem BULUT ALBAYRAK, Lec. Deniz ÖZEN ÜNAL, Lec. Devrim BEYAZ, Lec. Dilan TÜYSÜZ, Lec. Ebru GENÇALP, Lec. Elvan AKTÜRK HAYAT, Lec. Emin YİĞİT, Lec. Emre ERDAN, Lec. Emre SEVİNDİK, Lec. Engin ÇAKIR, Lec. Erkmən Tuğrul EPIK MEN, Lec. Ersel YILMAZ, Lec. Esin ERGİN, Lec. Fatih EYDURAN, Lec. Fatih Mehmet YILMAZ, Lec. Ferda ZAMBAK, Lec. Ferhat KİREMİT, Lec. Feride ÖNCAN SÜMER, Lec. Funda ODUNCUOĞLU, Lec. Gözde Başak ÖZTÜRK, Lec. Gülhan DEMİRİZ, Lec. Gülsüm ALKAN, Lec. Güntekin ŞİMŞEK, Lec. Günver GÜNEŞ, Lec. Hakan ATAY, Lec. Hale UYAR HAZAR, Lec. Halil TANIR, Lec. Hasan ERDOĞAN, Lec. Hatice AKDAĞ, Lec. Hatice YILDIZ, Lec. Hicabi ARSLAN, Lec. Hulusi AKÇAY, Lec. Hüseyin Bilgin BİLGİÇ, Lec. Hüseyin UYSAL, Lec. Kadri Murat GÜRSES, Lec. Kemal Ramazan HAYKIRAN, Lec. Keziban AMANAK, Lec. Levent ATATANIR, Lec. Mehmet Ali SÜNBÜL, Lec. Mehmet BAŞARAN, Lec. Mehmet Eren UZ, Lec. Mehmet Metin DAM, Lec. Mehmet ŞAKIROĞLU, Lec. Mehmet ULUTAŞ, Lec. Mehtap KIZILKAYA, Lec. Meltem ÇENGEL SCHOVILLE, Lec. Mesut ÇAKIR, Lec. Mesut GÜNENÇ, Lec. Murat Kemal AVCI, Lec. Murat ÖZMADEN, Lec. Musa GÜMÜŞ, Lec. Musa İKİZOĞLU, Lec. Mustafa AKKAYA, Lec. Mustafa Ali KAPTAN, Lec. Mustafa ASKER, Lec. Mustafa ÇELİK, Lec. Mustafa DOĞANER, Lec. Müslime GÜNEŞ, Lec. Nergiz GÜNDEL, Lec. Nilgün BENLİ, Lec. Nisa BAŞARA BAYDİLEK, Lec. Nurdan GEZER, Lec. Nurettin TOPUZ, Lec. Nükhet KIRAĞ, Lec. Okan ARSLAN, Lec. Olcay BOYACIOĞLU, Lec. Osman NACAĞ, Lec. Pelin ERDAL AYTEKİN, Lec. Rafet DİNÇ, Lec. Raşan ÇAM, Lec. Sadık BÜYÜKYÖRÜK, Lec. Seher SARIKAYA KARABUDAK, Lec. Selcen ÖNCÜ, Lec. Selda BULCA, Lec. Serap GÖKÇE ESKİN, Lec. Serdar ÇİFTCİ, Lec. Serdar ÜNAL, Lec. Serhan ULUSAN, Lec. Sevil ÖZCAN, Lec. Sibel SEVİNÇ, Lec. Sibel ŞEKER, Lec. Sultan ÖZKAN, Lec. Şaban ERTEKİN, Lec. Şahin BULUT, Lec. Şansel ÖZPINAR, Lec. Tacettin Hakan YENAL, Lec. Taner BULUT, Lec. Tuğba AKIN, Lec. Tuğrul AYYILDIZ, Lec. Turgay</p>								



Umur EVLİMOĞLU, Lec. Umur Tolga GÜMÜŞ, Lec. Ümit ÖZYILMAZ, Lec. Yakup Onur KOCA, Lec. Yakup YAZICI, Lec. Yılmaz ERDEM, Prof. Adem ÖZDEMİR, Prof. Ahmet Can BAKKALCI, Prof. Ahmet KILIÇKAN, Prof. Ahmet NAHMEDOV, Prof. Ali BELGE, Prof. Ali Rıza ERDEM, Prof. Alpaslan GÖKÇİMEN, Prof. Aslı SARAÇOĞLU, Prof. Asuman Seda SARACALOĞLU, Prof. Atakan KOÇ, Prof. Ayden ÇOBAN, Prof. Aydın ÜNAY, Prof. Ayhan YILDIZ, Prof. Ayten TAŞPINAR, Prof. Barış KARA, Prof. Bülent BOZDOĞAN, Prof. Bülent DENİZ, Prof. Bülent ULUTAŞ, Prof. Cafer TURGUT, Prof. Cavit KUM, Prof. Cesur EKİZ, Prof. Cumali ÖKSÜZ, Prof. Çiğdem KILIÇASLAN, Prof. Çiğdem YENİSEY, Prof. Deniz AKTAŞ UYGUN, Prof. Deniz ÇOBAN, Prof. Dide KILIÇALP KILINÇ, Prof. Dilşen İNCE ERDOĞAN, Prof. Emine Didem EVCI KIRAZ, Prof. Engin ERTAN, Prof. Ercan YEŞİLIRMAK, Prof. Ergün Ömer GÖKSOY, Prof. Erkut TURAN, Prof. Eyyüp Mennan YILDIRIM, Prof. Faik Ekmel TEKİNTAŞ, Prof. Fatih Mehmet ŞİMŞEK, Prof. Fatma DEMİRKIRAN, Prof. Fatma Neval GENÇ, Prof. Feriştah SÖNMEZ, Prof. Ferit ÇOBANOĞLU, Prof. Filiz KÖK, Prof. Fuat SEZGİN, Prof. Funda KIRAL, Prof. Gamze BAŞBÜLBÜL, Prof. Gonca GÜNVER DALKILIÇ, Prof. Gökhan CESUR, Prof. Gönül AYDIN, Prof. Gülsen DEMİR, Prof. Güneş ERDOĞAN, Prof. Hacı Halil BIYIK, Prof. Halil Güner SEFEROĞLU, Prof. Halil KIRNAK, Prof. Halim ESEN, Prof. Hatice EROL, Prof. Hatice ÖZENOĞLU, Prof. Hayrettin ÇETİN, Prof. Hilal AKTAMIŞ, Prof. Hudai YILMAZ, Prof. Hülya ARSLANTAŞ, Prof. Hümeysra ÜNSAL, Prof. Hüseyin BAŞPINAR, Prof. Hüseyin ÜRETEN, Prof. Hüseyin VOYVODA, Prof. Hüseyin YILMAZ, Prof. İbrahim CEMAL, Prof. İbrahim ÇAKMAK, Prof. İbrahim YALÇIN, Prof. İrfan YAVAŞOĞLU, Prof. İsmail BÖGREKÇİ, Prof. İsmet ATEŞ, Prof. Kayhan DELİBAŞ, Prof. Kemal ERGİN, Prof. Kerem URAL, Prof. Kerim GÜNDOĞDU, Prof. Kürşat KARACABEY, Prof. Mehmet Dinçer BİLGİN, Prof. Mehmet Nedim DOĞAN, Prof. Mehmet Tolga TAN, Prof. Mete KARACAOĞLU, Prof. Muhammet Bilal ARIK, Prof. Muhammet Emin GÜNAY, Prof. Muharrem BALKAYA, Prof. Murat YILMAZ, Prof. Musa Şamil AKYIL, Prof. Mustafa AKŞİT, Prof. Mustafa Ali KAYNAK, Prof. Mustafa Ali SARILI, Prof. Mustafa ÖZAT, Prof. Mustafa SÜRMEK, Prof. Mürsel ÖZDOĞAN, Prof. Necdet DAĞDELEN, Prof. Nesrin ÖZSOY, Prof. Nuh KILIÇ, Prof. Oğuz TÜRKÖZAN, Prof. Olcay ARABACI, Prof. Orhan KARACA, Prof. Osman Eralp ÇOLAKOĞLU, Prof. Osman EREKUL, Prof. Osman Nuri ÖZDOĞAN, Prof. Osman PEKER, Prof. Pınar DEMİRCİOĞLU, Prof. Rauf Onur EK, Prof. Recep ÖZMERDİVENLİ, Prof. Recep TEKELİ, Prof. Renan TUNALIOĞLU, Prof. Ruhi SARP KAYA, Prof. Ruken AKAR VURAL, Prof. Saadettin YILDIRIM, Prof. Sacit Hadi AKDEDE, Prof. Sakine BOYRAZ, Prof. Sarhan SAKARYA, Prof. Selim SEKKİN, Prof. Serap AÇIKGÖZ, Prof. Serdar KOCA, Prof. Serdar PAŞA, Prof. Serkan ÖNCÜ, Prof. Sezgin DEMİR, Prof. Şahabettin YALÇIN, Prof. Şule Yurdağül ÖZSOY, Prof. Şükrü KIRKAN, Prof. Tanju DEMİR, Prof. Tülin AKŞİT, Prof. Tülin KARAGENÇ, Prof. Uğur ŞİRİN, Prof. Yalçın ÖZDEMİR, Prof. Yavuz KILIÇ, Prof. Yunus ÇERÇİ, Prof. Yusuf KADERLİ, Prof. Yücel BOZDAĞLIOĞLU, Prof. Zekiye KARAÇAM, Prof. Zeynel DALKILIÇ, Prof. Zöhre POLAT

#### 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
4	E-books and internet resources

Week	Weekly Detailed Course Contents	
1	Practice	Literature review
2	Practice	Literature review
3	Practice	Literature review
4	Practice	Literature review
5	Practice	Examination and evaluation of the literature on thesis subject
6	Practice	Examination and evaluation of the literature on thesis subject
7	Practice	Examination and evaluation of the literature on thesis subject
8	Practice	Examination and evaluation of the literature on thesis subject
9	Practice	Planning of thesis work, preliminary data study and monitoring
10	Practice	Planning of thesis work, preliminary data study and monitoring
11	Practice	Planning of thesis work, preliminary data study and monitoring
12	Practice	Evaluation of preliminary data obtained in the thesis
13	Practice	Evaluation and presentation of preliminary data obtained from the thesis
14	Practice	Exercise and follow-up of thesis
15	Practice	Exercise and follow-up of thesis



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

