MLZ802 - SPECIAL AREA COURSE - Fen Bilimleri Enstitüsü - Metalurji - Malzeme Mühendisliği Ana Bilim Dalı

General Info

Objectives of the Course

These are theoretical studies that will be applied to students in the master's thesis period in order to transfer the knowledge, experience and knowledge of the advisor faculty member in the scientific field in which he/she works, to provide students with scientific ethics and work discipline, and to gain the ability to follow and evaluate current literature, and to establish and carry out the scientific foundations of the thesis studies.

Course Contents

Within the scope of the course, scientific research and studies related to the thesis topic are carried out.

Recommended or Required Reading

Notes compiled from various sources

Planned Learning Activities and Teaching Methods

Lecture, question and answer

Recommended Optional Programme Components

MMZ541 Scientific Research and Ethics, MMZ500 Seminar

Instructor's Assistants

There is no instructor's assistant

Presentation Of Course

Computer, Projector

Dersi Veren Öğretim Elemanları

Prof. Dr. Cemal Çarboğa Dr. Öğr. Üyesi Serkan Dal Dr. Öğr. Üyesi Nilüfer Küçükdeveci Assoc. Prof. Dr. Mehmet Çağrı Tüzemen Assoc. Prof. Dr. Gülbahar Bilgiç Tüzemen Prof. Dr. Bülent Kurt Dr. Öğr. Üyesi Fatma Zehra Koçak

Program Outcomes

1. Can explain detailed theoretical and practical information about the thesis topic.
2. Solves possible problems that may arise during the thesis work together with the advisor.
3. The outputs related to the thesis can be conveyed in national or international communities, considering the ethical values.

Weekly Contents

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
1	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
2	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
3	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
4	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
5	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
6	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
7	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
8	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
9	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
10	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
11	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
12	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
13	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
14	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
15	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
16	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
17	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
18	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
19	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
20	Presentation of weekly work report regarding the thesis work		Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
21			Experimentation	Providing guidance in the scientific field Providing guidance in the scientific field	
22			Experimentation	Providing guidance in the scientific field	
23			Experimentation	Providing guidance in the scientific field	

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
24			Experimentation	Providing guidance in the scientific field	
25			Experimentation	Providing guidance in the scientific field	
26			Experimentation	Providing guidance in the scientific field	
27			Experimentation	Providing guidance in the scientific field	
28			Experimentation	Providing guidance in the scientific field	
29			Experimentation	Providing guidance in the scientific field	

Workload

Activities	Number	PLEASE SELECT TWO DISTINCT LANGUAGES
Derse Katılım	21	4,00
Ders Öncesi Bireysel Çalışma	18	2,00
Ders Sonrası Bireysel Çalışma	20	2,00
Seminer	10	2,00
Sözlü	1	2,00

Assesments

Activities	Weight (%)
Final	100,00

Metalurji - Malzeme Mühendisliği Ana Bilim Dalı / METALURJİ VE MALZEME MÜHENDİSLİĞİ (YÜKSEK LİSANS - TEZLİ) X Learning Outcome Relation

	P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10
L.O. 1	3	4	3			4	3		4	
L.O. 2						3	4	4		
L.O. 3							4	4		

Table :

P.O. 1 : Mühendislik alanında bilimsel araştırma yaparak bilgiye genişlemesine ve derinlemesine ulaşır, bilgiyi değerlendirir, yorumlar ve uygular.

P.O. 2 : Sınırlı ya da eksik verileri kullanarak bilimsel yöntemlerle bilgiyi tamamlar ve uygular; değişik disiplinlere ait bilgileri bütünleştirir.

P.O. 3 : Mühendislik problemlerini kurgular, çözmek için yöntem geliştirir ve çözümlerde yenilikçi yöntemler uygular.

P.O. 4 : Çok disiplinli takımlarda liderlik yapar, karmaşık durumlarda çözüm yaklaşımları geliştirir ve sorumluluk alır.

P.O. 5 : Mesleğinin yeni ve gelişmekte olan uygulamalarının farkındadır; gerektiğinde bunları inceler ve öğrenir.

P.O. 6 : Tanımlanmış teknoloji problemlerini çözmek için yöntem geliştirir ve çözümlerde yenilikçi yöntemleri uygular.

P.O. 7 : Çalışmalarının süreç ve sonuçlarını, o alandaki veya alan dışındaki ulusal ve uluslar arası ortamlarda sistematik ve açık bir şekilde yazılı ya da sözlü olarak aktarır.

P.O. 8 : Verilerin toplanması, yorumlanması, duyurulması aşamalarında ve mesleki tüm etkinliklerde toplumsal, bilimsel ve etik değerleri gözetir.

P.O. 9 : bilimsel bulguları analitik değerlendirebilir

P.O. 10 : Eğitim sürecinde edindiği bilgi ve deneyimi endüstriye aktarabilir.

L.O. 1 : Tez konusu ile ilgili detaylı teorik ve pratik bilgileri açıklayabilir.

L.O. 2 : Tez çalışması sırasında ortaya çıkabilecek olası problemleri, danışmanı ile birlikte çözer

L.O. 3 : Tez ile ilgili çıktıları, etik değerleri gözeterek, ulusal veya uluslararası ortamlarda aktarabilir.