**İÜ MÜHENDİSLİK FAKÜLTESİ MADEN MÜHENDİSLİĞİ BÖLÜMÜ %30 İNGİLİZCE PROGRAM 2017-2018 EĞİTİM – ÖĞRETİM YILI DERS PLANI**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **I. YARIYIL** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **II. YARIYIL** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Mathematics I\* | 4,0 | 2,0 | 0,0 | 5,0 | 6,0 |  | Mathematics II\* | 4,0 | 2,0 | 0,0 | 5,0 | 6,0 |
| General Chemistry\* | 3,0 | 0,0 | 2,0 | 4,0 | 8,0 |  | Technical English -II\* | 2,0 | 0,0 | 0,0 | 2,0 | 4,0 |
| Technical English-I\* | 2,0 | 0,0 | 0,0 | 2,0 | 5,0 |  | Genel Jeoloji | 2,0 | 1,0 | 0,0 | 2,5 | 4,0 |
| Fizik I\* | 3,0 | 0,0 | 2,0 | 4,0 | 6,0 |  | Fizik II\* | 3,0 | 0,0 | 2,0 | 4,0 | 6,0 |
| Atatürk İlkeleri ve İnkılap Tarihi-I\* | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |  | Teknik Resim | 3,0 | 1,0 | 0,0 | 3,5 | 5,0 |
| Türk Dili-I\* | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |  | Atatürk İlkeleri ve İnkılap Tarihi-II\* | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |
|  |  |  |  |  |  |  | Türk Dili-II\* | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |
| SEÇMELİ DERS 1 (A GRUBU) | 1,0 | 0,0 | 0,0 | 0,0 | 1,0 |  | SEÇMELİ DERS 2 (B GRUBU) | 1,0 | 0,0 | 0,0 | 0,0 | 1,0 |
| ZORUNLU DERSLER KREDİ TOPLAMI |  |  |  | **19,0** | **29,0** |  | ZORUNLU DERSLER KREDİ TOPLAMI |  |  |  | **21,0** | **29,0** |
| SEÇMELİ DERSLER KREDİ TOPLAMI |  |  |  |  | **1,0** |  | SEÇMELİ DERSLER KREDİ TOPLAMI |  |  |  |  | **1,0** |
| İNGİLİZCE DERSLER KREDİ TOPLAMI |  |  |  | **11,0** | **19,0** |  | İNGİLİZCE DERSLER KREDİ TOPLAMI |  |  |  | **7,0** | **10,0** |
| **YARIYIL KREDİ TOPLAMI** |  |  |  | **19,0** | **30,0** |  | **YARIYIL KREDİ TOPLAMI** |  |  |  | **21,0** | **30,0** |
| **SEÇMELİ DERSLER (A GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **SEÇMELİ DERSLER (B GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Güzel Sanatlar I\* | 1,0 | 0,0 | 0,0 | 0,0 | 1,0 |  | Güzel Sanatlar II\* | 1,0 | 0,0 | 0,0 | 0,0 | 1,0 |
| Beden Eğitimi I\* | 1,0 | 0,0 | 0,0 | 0,0 | 1,0 |  | Beden Eğitimi II\* | 1,0 | 0,0 | 0,0 | 0,0 | 1,0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **III. YARIYIL** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **IV. YARIYIL** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Mine Valuation | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |  | Mukavemet | 2,0 | 0,0 | 0,0 | 2,0 | 3,0 |
| Bilgisayar Temelleri ve Programlamaya Giriş | 2,0 | 0,0 | 2,0 | 3,0 | 5,0 |  | Maden Yatakları | 2,0 | 0,0 | 0,0 | 2,0 | 4,0 |
| Mineraloji-Petrografi | 2,0 | 0,0 | 1,0 | 2,5 | 3,0 |  | Açık İşletme Yöntemleri | 2,0 | 0,0 | 0,0 | 2,0 | 5,0 |
| Statik | 2,0 | 0,0 | 0,0 | 2,0 | 4,0 |  | Yeraltı Üretim Yöntemleri | 2,0 | 0,0 | 0,0 | 2,0 | 5,0 |
| Dinamik | 2,0 | 0,0 | 0,0 | 2,0 | 4,0 |  | Termodinamik | 2,0 | 0,0 | 0,0 | 2,0 | 3,0 |
| Madenlerde Hazırlık ve Kazı | 2,0 | 0,0 | 0,0 | 2,0 | 4,0 |  | Harita Bilgisi | 2,0 | 1,0 | 0,0 | 2,5 | 4,0 |
| ELECTIVE COURSE 3 (C GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | ELECTIVE COURSE 5 (E GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| SEÇMELİ DERS 4 (D GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | SEÇMELİ DERS 6 (F GRUBU) | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |
| ZORUNLU DERSLER KREDİ TOPLAMI |  |  |  | **13,5** | **22,0** |  | ZORUNLU DERSLER KREDİ TOPLAMI |  |  |  | **12,5** | **24,0** |
| SEÇMELİ DERSLER KREDİ TOPLAMI |  |  |  | **6,0** | **8,0** |  | SEÇMELİ DERSLER KREDİ TOPLAMI |  |  |  | **5,0** | **6,0** |
| İNGİLİZCE DERSLER KREDİ TOPLAMI |  |  |  | **5,0** | **6,0** |  | İNGİLİZCE DERSLER KREDİ TOPLAMI |  |  |  | **3,0** | **4,0** |
| **YARIYIL KREDİ TOPLAMI** |  |  |  | **19,5** | **30,0** |  | **YARIYIL KREDİ TOPLAMI** |  |  |  | **17,5** | **30,0** |
| **ELECTIVE COURSE (C GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **ELECTIVE COURSE (E GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Mine System Analysis | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Energy Sources | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| Aggregate and Cement Technology | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Drilling Techniques | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| **SEÇMELİ DERSLER (D GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **SEÇMELİ DERSLER (F GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Makine Elemanları | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Afet Kültürü\* | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |
| Malzeme | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Şehir ve Kültür İstanbul\* | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |
|  |  |  |  |  |  |  | İş Sağlığı ve Güvenliği\* | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |
|  |  |  |  |  |  |  | İş Hukuku\* | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **V. YARIYIL** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **VI. YARIYIL** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Fluid Mechanics | 2,0 | 0,0 | 0,0 | 2,0 | 3,0 |  | Mühendislik Jeolojisi | 2,0 | 1,0 | 0,0 | 2,5 | 4,0 |
| Mining Electrotechniques | 2,0 | 0,0 | 0,0 | 2,0 | 3,0 |  | İstatistik | 2,0 | 0,0 | 0,0 | 2,0 | 3,0 |
| Madenlerde Ulaşım ve Su Atımı | 2,0 | 1,0 | 0,0 | 2,5 | 4,0 |  | Tahkimat | 2,0 | 1,0 | 0,0 | 2,5 | 5,0 |
| Cevher Hazırlama I | 2,0 | 0,0 | 1,0 | 2,5 | 4,0 |  | Cevher Hazırlama II | 2,0 | 0,0 | 1,0 | 2,5 | 5,0 |
| Kaya Mekaniği | 2,0 | 0,0 | 2,0 | 3,0 | 4,0 |  | Kazı Mekanizasyonu | 2,0 | 1,0 | 0,0 | 2,5 | 5,0 |
| Maden Yataklarının Değerlendirilmesi | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  |  |  |  |  |  |  |
| ELECTIVE COURSE 7 (G GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | ELECTIVE COURSE 9 (I GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| SEÇMELİ DERS 8 (H GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | SEÇMELİ DERS 10 (J GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| ZORUNLU DERSLER KREDİ TOPLAMI |  |  |  | **15,0** | **22,0** |  | ZORUNLU DERSLER KREDİ TOPLAMI |  |  |  | **12,0** | **22,0** |
| SEÇMELİ DERSLER KREDİ TOPLAMI |  |  |  | **6,0** | **8,0** |  | SEÇMELİ DERSLER KREDİ TOPLAMI |  |  |  | **6,0** | **8,0** |
| İNGİLİZCE DERSLER KREDİ TOPLAMI |  |  |  | **7,0** | **10,0** |  | İNGİLİZCE DERSLER KREDİ TOPLAMI |  |  |  | **3,0** | **4,0** |
| **YARIYIL KREDİ TOPLAMI** |  |  |  | **21,0** | **30,0** |  | **YARIYIL KREDİ TOPLAMI** |  |  |  | **18,0** | **30,0** |
| **ELECTIVE COURSES (G GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **ELECTIVE COURSES (I GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Mining and Environment | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Waste Management | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| Fragmentation and Blasting Techniques | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Mineral Processing Plant & Design | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| **SEÇMELİ DERSLER (H GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **SEÇMELİ DERSLER (J GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Genel Jeofizik | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Öğütme Teknolojileri | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| Madencilikte Bilgisayar Uygulamaları | 2,0 | 0,0 | 2,0 | 3,0 | 4,0 |  | Akım Şeması Geliştirme | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| Madencilikte Zemin Mekaniği Uygulamaları | 2,0 | 0,0 | 2,0 | 3,0 | 4,0 |  | Şev Stabilitesi | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| Endüstriyel Mineraller | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **VII. YARIYIL** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **VIII. YARIYIL** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Bitirme Projesi I | 0,0 | 4,0 | 0,0 | 2,0 | 6,0 |  | Mining and Processing Terminology | 2,0 | 0,0 | 0,0 | 2,0 | 3,0 |
| Kömür Hazırlama | 2,0 | 0,0 | 1,0 | 2,5 | 4,0 |  | Bitirme Projesi II | 0,0 | 4,0 | 0,0 | 2,0 | 6,0 |
| Maden Makineleri | 2,0 | 2,0 | 0,0 | 3,0 | 4,0 |  | Maden Hukuku | 2,0 | 0,0 | 0,0 | 2,0 | 2,0 |
| Madenlerde Havalandırma | 2,0 | 2,0 | 0,0 | 3,0 | 4,0 |  | Flotasyon | 2,0 | 0,0 | 1,0 | 2,5 | 3,0 |
|  |  |  |  |  |  |  | Kimyasal Zenginleştirme Yöntemleri | 2,0 | 0,0 | 1,0 | 2,5 | 3,0 |
| ELECTIVE COURSE11 (K GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | ELECTIVE COURSE 14 (M GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| ELECTIVE COURSE12 (K GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | ELECTIVE COURSE 15 (M GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |
| SEÇMELİ DERS 13 (L GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | SEÇMELİ DERS 16 (N GRUBU) | 3,0 | 0,0 | 0,0 | 3,0 | 5,0 |
| ZORUNLU DERSLER KREDİ TOPLAMI |  |  |  | **10,5** | **18,0** |  | ZORUNLU DERSLER KREDİ TOPLAMI |  |  |  | **11,0** | **17,0** |
| SEÇMELİ DERSLER KREDİ TOPLAMI |  |  |  | **9,0** | **12,0** |  | SEÇMELİ DERSLER KREDİ TOPLAMI |  |  |  | **9,0** | **13,0** |
| İNGİLİZCE DERSLER KREDİ TOPLAMI |  |  |  | **6,0** | **8,0** |  | İNGİLİZCE DERSLER KREDİ TOPLAMI |  |  |  | **8,0** | **11,0** |
| **YARIYIL KREDİ TOPLAMI** |  |  |  | **19,5** | **30,0** |  | **YARIYIL KREDİ TOPLAMI** |  |  |  | **20,0** | **30,0** |
| **ELECTIVE COURSE (K GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **ELECTIVE COURSE (M GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Solid Liquid Separation | 2,0 | 0,0 | 2,0 | 3,0 | 4,0 |  | Surface Chemistry in Mineral Processing | 2,0 | 0,0 | 2,0 | 3,0 | 4,0 |
| Computer Applications in Mineral Processing | 2,0 | 2,0 | 0,0 | 3,0 | 4,0 |  | Chemical Analysis in Minerals Industry | 2,0 | 0,0 | 2,0 | 3,0 | 4,0 |
| Organization and Management in Mines | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Solution Chemistry in Mineral Processing | 2,0 | 0,0 | 2,0 | 3,0 | 4,0 |
| **SEÇMELİ DERS (L GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |  | **SEÇMELİ DERS (N GRUBU)** | **D** | **U** | **L** | **Kredi** | **AKTS** |
| Metalik Cevherleri Zenginleştirme Yöntemleri | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Üretim Metalurjisi | 2,0 | 2,0 | 0,0 | 3,0 | 5,0 |
| Mermer Teknolojisi | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Uygulamalı Girişimcilik | 2,0 | 2,0 | 0,0 | 3,0 | 5,0 |
| Mühendislik Etiği | 3,0 | 0,0 | 0,0 | 3,0 | 4,0 |  | Nadir Toprak Elementleri | 3,0 | 0,0 | 0,0 | 3,0 | 5,0 |
|  |  |  |  |  |  |  | Tünel Açma Yöntemleri | 3,0 | 0,0 | 0,0 | 3,0 | 5,0 |
| **MEZUNİYET KREDİ TOPLAMI** |  |  |  | **155,5** |  |  | **MEZUNİYET AKTS KREDİ TOPLAMI** |  |  |  |  | **240,0** |
| (\*) Fakülte ortak ders kapsamındadır |  |  |  |  |  | Sekiz yarıyılda 155,5 kredi ve 240 AKTS’lik dersten başarılı olmanın yanı sıra, 20+20 iş günü Maden Mühendisliği stajını tamamlamış ve onayını almış olmak. Staj mezuniyet ön şartı olmakla birlikte programda ayrıca kredi ve AKTS olarak gösterilmemiştir. Staj ile elde edilecek deneyim ve gerekli iş yükü program içerisinde ilgili derslerin içerik, uygulama ve çalışma iş yükleri içerisinde dikkate alınmıştır. | | | | | | | |
| Zorunlu Ders Kredisi | **114,5** | Seçmeli Ders %’si | | | **26,4** |
| Seçmeli Ders Kredisi | **41,0** | İngilizce Ders Kredisi | | | **50,0** |
| Zorunlu ve Seçmeli Ders Toplam Kredisi | **155,5** | İngilizce Ders %’si | | | **32,2** |