

ÖZGEÇMİŞ

1. **Adı Soyadı:** SELAHATTİN GÜLTEKİN
2. **Unvanı:** Prof. Dr.
3. **Öğrenim Durumu:**

Derece	Alan	Üniversite	Yıl
Lisans/Y.Lisans	Kimya Mühendisliği	İstanbul Üniversitesi	1973
Y. Lisans	Kimya Mühendisliği	Massachusetts Institute of Technology (MIT)	1977
Doktora	Kimya Mühendisliği	Massachusetts Institute of Technology (MIT)	1980

4. Akademik Unvanlar

Yardımcı Doçent	Kimya Mühendisliği	Kral Fahd Üniv..	1981-1984
Doçent	Kimya Mühendisliği	Kral Fahd Üniv	1984-1994
Profesör	Kimya Mühendisliği	Yıldız Teknik Üniv.	1994-2000
Profesör	Kimya Mühendisliği	Doğuş Üniv.	2000-2009
Profesör	Kimya Mühendisliği	Maltepe Üniv.	2009 - Nis. 2011
Profesör	Kimya mühendisliği	İstanbul Aydın Üniv.	Mayıs 2011- Şubat 2012
Profesör	Kimya Mühendisliği	UNIMAS (Malezya)	Şubat 2012-Ağus 2012
Profesör	Kimya Mühendisliği	Üsküdar Üniversitesi	Eylül 2012-Devam

5. Doçent unvanını aldığı tarih: 1984

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1 Yüksek Lisans Tezleri

Gerek yurt içinde gerekse yurt dışında 20' ye yakın Y. Lisans tezlerine danışmanlık yaptı.

6.2 Doktora Tezleri (Toplam 6)

- a) **İki** doktora tezi Kral Fahd Petrol ve Mineral Üniversitesinde
- b) **Üç** doktora tezi Yıldız Teknik Üniversitesinde
- c) **Bir** doktora tezi de Atatürk Üniversitesinde (eş-danışman olarak)

7. Yayın Listesi

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler

1. Satterfield, C.N., and Gültekin, S.; "Effects of Hydrogen Sulfide on the Catalytic Hydrodenitrogenation of Quinoline", *Ind. and Eng. Chem. Process Des. and Dev.* 20 , 1 (1981) 62- 68
2. Gültekin, S.; "Effects of Methyl Substitution on Hydrodesulfurization of Thiophene", *Chimica Acta Turcica*, 9, 1 (1981) 257-266.
3. Ulusoy, E.; Gültekin, S., and Aydın, A.; "A New Method for Neutralization of Olive Oils with High Acidity, and the Design of the Unit", *Chimica Acta Turcica*, 9, 1 (1981) 307-316
4. Gültekin, S.; Ali, S.A., and Satterfield C.N.; "Effects of Hydrogen Sulfide and Ammonia on the Catalytic Hydrogenation of Propylbenzene", *Ind. and Eng. Chem. Process Des. and Dev.* 23, 1 (1984), 179-181
5. Gültekin, S.; Ali, S.A.;and Al-Saleh, M.A., "Effects of Hydrogen Sulfide, Ammonia and Water on Catalytic Hydrogenation of Propylbenzene", *Arabian Journal For Science and Engineering*, 10, 2 (1985), 159-171
6. Gültekin, S.; Al-Ohali, M.S.; and Al-Saleh, M.A., "Effects of Hydrogen Sulfide and Water on the Catalytic Hydrodenitrogenation of Quinoline: Part I: Behavior of Reaction Mixture". *Arabian Journal for Science and Engineering*, 10, 3 (1985), 265- 272
7. Gültekin, S. Al-Ohali, M.S., Al-Saleh, M.A., "Effects of Hydrogen Sulfide and Water on the Catalytic Hydrodenitrogenation of Quinoline: Part II. Kinetic Modelling". *Arabian Journal for Science and Engineering*, 10, 3 (1985) 273-280.
8. Gültekin, S., Abdel-Aal, H.K., Rashid, T., "Upgrading of Heavy Residues by Hydrogen Production: A Preliminary Experimental Investigation", *International Journal of Hydrogen Energy*, 11, 5 (1986) 321-326
9. Gültekin, S.; and Hamad, E., "Catalyst Deactivation", *Arabian Journal for Science and Engineering*, 12, 1 (1986) 59-72.
10. Gültekin, S.; Khaleeq, M.; and Al-Saleh M.S., "Combined Effects of Water, Hydrogen Sulfide and Ammonia on the Catalytic Hydrodenitrogenation of Quinoline In Liquid Phase". *Ind. And Eng.Chem. Research* 28, 6 (1989) 729-738.
11. Gültekin, S.; Khaleeq, M. Al-Saleh, M.A., ;"Kinetics of Hydrodenitrogenation of Quinoline in the Presence of H₂S, H₂O, and NH₃ Using Integral Flow Reactor", *Chemical Engineering Journal*, 46, (1991) 79-89.

12. Al-Zakri, A.S.; Gültekin, S.; Al-Saleh, MA; Celica, H.;" A Method of IR-Drop Measurement with Current Interruption Technique: An application to Half-Cell Studies with Porous Gas Diffusion Electrodes" *Journal of Applied Electrochemistry*. 21 (1991), 368-371.
13. Celiker, H.; Al-Saleh, M.A.; Gültekin, S.; Al-Zakri A.S. "A Mathematical Model for the Performance of Gas Diffusion Electrodes", *Journal of Electrochemical Society*, 1308, 6 (1991) 1671-1681
14. Gültekin, S.; Al-Saleh, M.A.; Al-Zakri, S.A.; Inamah I. "Unsteady State Performance Of Porous Gas Diffusion Electrodes in Alkaline Fuel Cells". *Arabian Journal for Science and Engineering*. 17, 4A (1992) 465-474
15. Gültekin, S.; Al-Saleh, M.A.; Al-Zakri, A.S.;"Effect of Carbon Monoxide Impurity in Hydrogen on the Performance of Ni/PTFE Diffusion Electrode in Alkaline Fuel Cell" *International Journal of Hydrogen Energy* 18, 2 (1994)181-185
16. Al-Saleh, M.A.; Gültekin, S.; Al-Zakri, A.S.; Celiker, H.; "Performance of Porous Nickel Electrode in Oxygen-Hydrogen Alkaline Fuel Cell" *International Journal of Hydrogen Energy*, 19, 8 (1994)713-718
17. Al-Saleh, M.A.; Gültekin, S.; Al-Zakri, A. S. and Celiker, H.; " Effects of Carbon Dioxide on the Performance of Ni/PTFE and Ag/PTFE Electrodes in Alkaline Fuel Cell" *Journal. Of Applied Electrochemistry*, 24. (1994) 557-580
18. Gültekin, S., Al-Saleh, M.A.; Al-Zakri, A.S.; Celiker, H.; and Schnurnburger, W.; "Experimental Studies and Electrochemical Kinetic Parameters of Raney-Silver Gas Diffusion Electrode in Hydrogen-Oxygen Fuel Cells", *Arabian Journal for Science And Engineering*, 20, 4A (1995) 635-647
19. Al-Saleh, M.A.; Gültekin, S. and Al-Zakri, A.S. and Saleem, U., "Modified Flooded Spherical Agglomerate Model for Porous Gas Diffusion Electrode", *Journal of Power*, 55, (1995) 33-39
20. Gültekin, S. and Satterfield C.N. "Control of Dealkylation vs. Ring Hydrogenation by Use of Ammonia"; *Energy and Fuels*, 9, 3(1995) 391-394
21. Gültekin, S.; Al-Saleh, M.A.; Al-Zakri, A.S.; and Abbas K.A.A. " Deactivation Studies on Porous Ni-Gas Diffusion Electrode in H₂/O₂ Alkaline Fuel Cell" *Inter. J. Hydrogen Energy*, 21, 6 (1996) 485-489
22. Al-Saleh, M.A.; Gültekin, S.; Al-Zakri,A.S.; Khan, A.A.A; "Steady State Performance Of Copper Impregnated Ni/PTFE Gas diffusion Electrode in Alkaline Fuel Cell", *International Journal of Hydrogen Energy*, 21, 6 (1996)657-661
23. Saleem, U.; Al-Saleh, M.A.; Al-Zakri, A.S., Gültekin, S.; "Preparation of Raney-Ni Gas Diffusion Electrode by Filtration Method for Alkaline Fuel Cells" *Journal of Applied Electrochemistry*, 27, (1997) 215-220
24. Salt, I., Gültekin, S., " "An Experimental Study on Kinetics of Leaching for Preparation of Raney-Silver Catalyst, *Reaction Kinetics and Catalysis Letters*, 83 (2) (2004), 253-260
25. Erentürk, S., Gülaboğlu, M.S., Gültekin, S. " The Thin Layer Drying Characteristics of Rosehip", *Biosystems Engineering*, 89(2), (2004) 159-166
26. Erentürk, S., Gülaboğlu, M.S., Gültekin, S. "The Effects of Drying Medium of on Vitamin C Content of Rosehip Drying, *Journal of Food Engineering*. 68,(2005), 513-518

27. Özdemir, B., Gültekin, S., "Model Discrimination in Chemical Kinetics", *Open Catalysis Journal*, 2, (2009) 1-6
28. Özdemir, B., Gültekin, S., "Determination of Rate Parameters of Complex Reactions by POLYMATH" *Open Catalysis Journal*, 2, (2009) 21-23
29. Erentürk, S., Gülaboğlu, M.S., Gültekin, S. "Effective Moisture Diffusivities of Whole and Cut Rosehip Undergoing Convective Drying", *Food and Bioproducts Processing*, (2011)

B) HAKEMLİ ULUSLARARASI TEBLİĞLER (Proceedings)

1. Gültekin, S., and Abel-Aal, H.K.; "Kinetics of Fe₂O₃ Chlorination Reaction of Iron-Chloride Thermochemical Cycle", *Alternative Energy Sources V. Part D: Biomass/Hydrocarbon/Hydrogen*, Florida, (1983) 411-415.
2. Gültekin, S., Achwal, S.K., and Ali, S.A.; "Environmental Impacts of Fluorocarbons" *Proceedings of Symposium on Fluorocarbons*, Riyadh, Nov. 24-25, 1984. Vol. 1, P 55-59
3. Achwal, S.K., Gültekin, S., and Ali, S.A.; "Uses of Fluorocarbons" *Proceedings of Symposium on Fluorocarbons*; Riyadh, Nov. 1984, Vol. 1, P 5-9
4. Gültekin, S., and Ali S.A.; "Removal and Recovery of Sulfur from Petroleum Residual Problems and Prospects", *Proceedings of 2nd Arab Regional Conference on Sulfur and Its Usage in Arab World*, Riyadh ,(1985) Vol. 3, p 277-292.
5. Gültekin, S.; "Simulation of the Reactor for SO₂ to SO₃ Reaction", *Proceedings of International AMSE Conference on Modelling and Simulation* ,Istanbul, June, (1988) Vol. 3D p 225-23
6. Gültekin, S., Al-Saleh, M.A., Al-Zakri, A.S., and Celiker, H "An Experimental Study On Performance of Hydrogen/Oxygen Fuel Cell with Diffusion Electrodes" *Proceedings Of the 9th Miami International Conference on Energy and Environment*, Miami Beach, Florida, Chapter 24, December, (1989)
7. Gültekin, S. and Ali, S.A.; "Recent Advances in Steam Reforming of Hydrocarbons" *Proceedings of International Conference on Chemistry in Industry*, Bahrain, 14-16 Nov. (1992) Vol., p. 945-957
8. Gültekin, S., Al-Saleh, M.A.; Al-Zakri, A.S. "Natural Gas to Fuel Cells: Effects of Carbon Monoxide" *Proceedings of Joint Saudi-Japanese Meeting on Petroleum Refining and Gas Conversion*, Dhahran 27-28 May, 1993
9. Gültekin, S.; Al-Saleh, M.A.; Al-Zakri, A.S.; and Khan A.A.A. " Deactivation Studies On Porous Ni-Gas Diffusion Electrode in H₂/O₂ Alkaline Fuel Cell" *Proceedings of the 10th World Hydrogen Conference* ,Vol. 3 ; Cocoa Beach, Florida, June 20-24, (1994).
10. Al-Saleh, M.A. ; Gültekin, S.; Al-Zakri, A.S.; Khan A.A.A. " Steady State Performance of Copper Impregnated Ni/PTFE Gas Diffusion Electrode in Alkaline Fuel Cell" *Proceedings of the 10th World Hydrogen Conference* , Vol. 3 ; Cocoa Beach, Florida, June 20-24, (1994)

11. Gültekin, S., Satterfield, C.N.; “Effects of Ammonia on the Selectivity of Hydrogenation versus Hydrocracking in Real Hydrotreaters Using Propylbenzene as a Model Compound” *AIChE National Meeting*, San Francisco, Calif. Nov. 15, (1994)
12. Al- Saleh, M. A., Al-Zakri, A.S., Gültekin, S. and Kereemuddin, M.; “Passivation of Raney-Nickel Catalyst by Bubbling Gas in a Slurry Reactor” *Proceedings of the 11th World Hydrogen Conference, Vol. 3. Stuttgart- Germany*, June, (1996)
13. Al-Zakri, A.S., Al-Saleh, M.A., Gültekin, S.; “Research and Developments in Alkaline Fuel Cell at King Fahd University of Petroleum & Minerals”, *Proceedings of The 11th World Hydrogen Conference, Vol. 3. Stuttgart- Germany*, June, (1996)
14. Gültekin, S., Ünal, I.H. “Effects of Process Parameters the Approach to Equilibrium Of Ammonia Synthesis Reaction in Multibed Reactor” *Proceedings of XVI. Mendeleev Congress on General and Applied Chemistry held in St. Petersburg, Russia, May 25-29, 1998*
15. Gültekin, S., Uygun, I. “ Investigation of Leaching Kinetics in Preparation of Raney Silver Catalyst “*Proceedings of XVI. Mendeleev Congress on General and Applied Chemistry St. Petersburg, Russia, May 25-29, 1998*
16. Gültekin, S., Yalvaç, B. and Erturan, S.; “Effects of Temperature and Electrolyte Concentration on Performance of Ni/PTFE Porous Fuel Electrode in H₂/O₂ Alkaline Fuel Cell” *Sixth Grove Fuel Cell Symposium*, London, U.K., 13-16 Sep. 1999
17. Gültekin, S., “ Thermodynamic Tendency versus Kinetics of Corrosion” *VII. International Corrosion Symposium, Istanbul-Turkey, 18-20 October, 2000*
18. Gültekin, S. and Çorbacioğlu, B., “Unsteady-state behavior of porous gas diffusion Ni-fuel electrode in H₂/O₂ alkaline fuel cell Reduction of NiO to Ni," *Proceedings of the 56th Regional Northwest ACS meeting, to be held in Seattle, USA, June 14-17, 2001*
19. Gültekin, S. and Çorbacioğlu, B., “ Modeling of Temperature and Electrolyte Concentration Effects on Porous Ni-Electrode in Alkaline O₂/H₂ Fuel Cell”, *Proceedings of the 38th IUPAC World Chemistry Conference, Brisbane, Australia, July 1-6, 2001*
20. Salt, I., and Gültekin S., “Modeling The Kinetics of Leaching Process in Raney-Silver Catalyst Preparation” *Proceedings of the 38th IUPAC World Chemistry Conference, Brisbane, Australia, July 1-6, 2001*
21. Gültekin, S., and Akçalı, S.,” A New Method for the Production of Zinc Oxide from Enriched Ore” *Proceedings of the 38th IUPAC World Chemistry Conference, Brisbane, Australia, July 1-6, 2001*
22. Akçalı, I and Gültekin, S. “An alternative cheap method for production of ZnO from enriched calcine, *Proceedings of ACS Annual Conference, Boston, USA*, August, 2002
23. Gültekin, S.; “Developments in Chemical Education on the 87th Anniversary of Systematic Education in Turkey” ,*Chemical Education International, Vol. 6, No.1, 1-3*

24. Boyacı, F.G., Şener, T., Behmenyar, G., Gültekin, S. "Effects of Cu-doping on the Performance of Ni-fuel Catalyst in Direct Sodium Borohydride Fuel Cell" 1.Somer International Conference on Chemical Engineering, Ankara, May 14-15, 2007
25. Orbak, İ, Gültekin, S. "Water Treatment: Cu(II) and Cd ions removal with activated carbon", EMCC6 International Conference, Antalya, March, 2010
26. Orbak, İ, Gültekin, S."Relations Between Energy and Environment"International Ege Energy Conference, June 27-30, Denizli
27. Gültekin, S. "Mass Transfer with Chemical Reactions in Porous Catalysts: A Discussion on the Criteria for the Internal and External Diffusion Limitations". Proceedings of 8th International Conference on Diffusion in Solids and Liquids", Istanbul, June 25-27, 2012
28. Gültekin, S., "Mathematical Modeling of Biological Systems", *Proceedings of ICCBES-2013*, Taipei-Taiwan, January 8-10, 2013

C) HAKEMLİ ULUSAL TEBLİĞLER

1. Al-Saleh, M.A.; Gültekin, S.; Al-Zakri, A.S.; Celiker, H.; "Kinetics of Electrochemical Reactions" *Proceedings of 3rd National Chemistry Conference*, Dhahran, 1989 P 537-548
2. Gültekin, S.; Khaleeq M.; "Upgrading Heavy Oils: Catalytic Hydrodenitrogenation" *Proceedings of the 1st Saudi Conference on Energy, Conservation and Utilization*, March, 1990, Jeddah
3. Gültekin, S., Unal, I. H., Ghanipour, İ. ;"Modelling and Simulation of Ammonia Reactor" *Proceeding of the 2nd Chemical Engineering National Meeting*, Sep. 10-14, 1996, Istanbul-Turkey
4. Gültekin, S.; Ünal, H.İ. "Two Dimensional (axial-radial) Mathematical Modelling of Multi-Bed Ammonia Synthesis Reactor", *Proc. Of 3rd National Chemical Engineering Congress*, 1-4 Sep, 1998, Erzurum
5. Gültekin, S.; Ünal H.İ., "Application of MATHCAD Package Program to the Solution of the Two Dimensional Model Equations for the Ammonia Synthesis Reactor" *Proc. Of 3rd National Chemical Engineering Congress*, 1-4 Sep, 1998, Erzurum
6. Tepecik, A., Ünal, H.İ., and Gültekin, S.; "Usage of Continuous System Model Programming written in C++ Language for the Solution of Model Equations of Ammonia Reactor" *Proc of 3rd National Chemical Engineering Congress*, 1-4 Sep, 1998, Erzurum
7. Ünal, H.İ., Gültekin, S. "A New Approach in the Mathematical Modelling of the Radial Bed of Ammonia Synthesis Reactor" *Proc of 3rd National Chemical Engineering Congress*, 1-4 Sep, 1998, Erzurum

8. Gültekin, S., Ünal, H.İ.; “Solutions of Chemical Reaction Engineering, and Process Dynamic And Control Model Equations by Using MATHCAD Program” *Proc of 12th National Chemistry Conference, 7-11 Sep., 1998, Edirne*

9. Gültekin, S. ,Yalvaç, B. and Erturan, S.; “Performance Studies of Ni/PTFE Porous Fuel Electrode in H₂/O₂ Alkaline Fuel Cell” , *Proc. of XIII. National Chemistry Conference, September, 1999, Samsun*

10. Gültekin, S. “Historical Comparison of Chemistry and Chemical Engineering Education in Turkey” invited lecturer, XVIII. National Chemistry Conference, 5-9 July 2004, Kars

11. Gültekin, S. “Optimization of Complex Chemical Engineering Problems Using MATHCAD and LINGO Package Programs: Comparison of Performance of These Packages” 6th National Chemical Engineering Conference, 7-10 September, 2004, Izmir

12, Gültekin, S., ”Global Warming and Climate Changes”, 8th National Chemical Engineering Conference, August 26-29, 2008, Malatya

13. Gültekin, S.,”Recent Developments in Fuel Cell technology”, 8th National Chemical Engineering Conference, August 26-29, 2008, Malatya

14. Orbak, İ, Gültekin, S.,” Energy and Environment” Gazi University Energy Conference, July 2010, Ankara

KİTAPLAR

1. Berkem, A.R., Gültekin, S. “*Kimya ve Kimya Mühendisliği Terimler Sözlüğü: İngilizce-Türkçe (Dictionary of Chemistry and Chemical Engineering Terms: English-Turkish):*” **1. Basım Türkiye Kimya Derneği Yayınları No: 13, Ağustos 1998, İstanbul**

2. Berkem, A.R., Gültekin, S. “*Kimya ve Kimya Mühendisliği Terimler Sözlüğü: İngilizce-Türkçe ve Türkçe-İngilizce (Dictionary of Chemistry and Chemical Engineering Terms: English-Turkish & Turkish-English):*” **2. Basım Türkiye Kimya Derneği Yayınları No: 14, Ekim 1999, İstanbul**

3. Berkem, A.R., Gültekin, S. “*Kimya ve Kimya Mühendisliği Terimler Sözlüğü: İngilizce-Türkçe ve Türkçe-İngilizce (Dictionary of Chemistry and Chemical Engineering Terms: English-Turkish & Turkish-English):*” **Genişletilmiş 3. Basım Türkiye Kimya Derneği Yayınları No: 17, Haziran 2005, İstanbul**

4. Gültekin, S. “*Fen ve Mühendislik Uygulamalarında MATLAB ile Nümerik Analiz*” Papatya Yayıncılık, İstanbul, May 2012

5. Gültekin, S. (Editor) “*Kimya Mühendisliğine Giriş*” (*Introduction to Chemical Engineering*) Papatya Yayıncılık, İstanbul , 2013 (Baskıda)

YAYINLANAN DERS NOTLARI

1. Gültekin, S., Gülen, J. “*Kimya Mühendisliğinde Matematiksel Modelleme (Mathematical Modeling in Chemical Engineering, 2nd Ed.)*”, Yıldız Technical University, Chemical Eng. Dept., April, 1997

2. **Gültekin, S., Kılıc, H.;** “**MATCAD ve Kimya Mühendisliğinde Kullanılması (MATCAD and Its Usage in Chemical Engineering**” Yıldız Technical University, Chemical Eng. Dept.,April, 1997

ATIFLAR

Prof. Gültekin'in Yayınlarına Yapılan Atıflar

1) **Toplam Atıf Sayısı 230'un üzerinde**

2) Aşağıdaki makale 129 tane atıf almış ve I&EC, Proc.Des., Dev'de yapılanlar arasında en çok atıf alan 100 makale arasında 68. olmuştur.

129 ...Gultekin S IND ENG CHEM PROC DD 1981 20 62 [View Record](#)

8. Projeler

a) *Yakıt Pili Performansı*: Uluslar arası desteklenmiş, KFUPM projesi 1986-1994

b) *Doğrudan Sodyum Bor Hidrür Yakıt Pili*, TÜBİTAK Enerji Enstitüsü, Konsorsiyum Destekli (Danışman olarak bu projede yer almaktadır), 2006-2010

9. İdari Görevler

Mühendislik Fakültesi Dekanı, Maltepe Üniversitesi, Eylül 2009-Nisan 2011

Endüstri Mühendisliği Bölüm Başkanı: Maltepe Üniversitesi, Eylül 2009, Nisan 2011

Dekan Yardımcılığı, Fen-Edebiyat Fakültesi, Doğu Üniversitesi, 2002-2005

Kimya Birimi Başkanlığı: Doğu Üniversitesi , Haziran 2008-Ağustos 2010

Mühendislik ve Doğa Bilimleri Dekanı: Üsküdar Üniversitesi, Eylül 2012-devam

Biyomühendislik Bölüm Başkanı: Üsküdar Üniversitesi, Eylül 2012-devam

10. Bilimsel Kuruluşlara Üyelikler

a) IUPAC (International Union of Pure and Applied Chemistry), Fellow

b) EuCheMS (European Association for Chemical and Molecular Sciences), Yönetim Kurulu Üyesi, 1998-2001 ve 2004- 2010

c) Türkiye Kimya Derneği, Başkan Vekili (2006-2008)

d) Kimya Mühendisleri Odası, üye

11. Ödüller

* Üniversitede 5 yıl boyunca TÜBİTAK Bursu

* NATO TÜBİTAK Yurtdışı M.S. ve Doktora Bursu (MIT)

*Yurtdışında (*KFUPM'de*) iki defa en iyi araştırmacı (*outstanding researcher*) ve bir defa da en iyi eğitmen (*outstanding teacher*) seçildi

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

2011-12	Güz	General Chemistry	3	2	87
		Isı Transferi	3	0	42
		Sayısal Yöntemler	3	0	42
		Materials Sciences	3	0	17
	Bahar	Kütle Transferi (YL)*	3	0	4
		Materials and Energy Balances	3	0	29
		Separation Processes	3	0	26
		Transport Processes	3	0	26

2012-13	Güz	General Chemistry I	3	2	3
		General Chemistry I	3	2	2
	Bahar	General Chemistry II	3	2	3
		Calculus II	3	2	3

SU ANA KADAR ÖĞRETTİĞİ DERSLER

- * Genel Kimya**
- * Kimya Mühendisliğine Giriş**
- * Endüstri Mühendisliğine Giriş
- * Mühendislik Termodinamiği**
- * Akışkanlar Mekaniği**
- * Isı Transferi**
- * Kütle Transferi**
- * Kütle ve Enerji Denkliği**
- * Taşınım Prosesleri**
- * Ayırma Prosesleri**
- * Sayısal Yöntemler
- * Kimya Mühendisliğinde Matematiksel Modelleme
- * Optimizasyon Teknikleri
- * Simülasyon**
- * Fabrika Tasarımı**
- * Petrokimyasallar**
- * Kimyasal Reaktör Mühendisliği**
- * Kimyasal Prosesler**
- * Kimya Mühendisliğinde Bilgisayar Destekli Tasarıma Giriş
- * Petrol Ürünleri**
- * Temel İşlemler**
- * Korozyon ve Korozyon Kontrolü**
- * İleri Kimya Mühendisliği Kinetiği (Doktora)**
- * Kimya Mühendisliğinde İleri Bilgisayar Hesaplamaları (YL)
- * İleri Heterojen Katalizörler ve Katalitik Prosesler (YL ve Doktora)**
- * İleri Proses Dinamiği ve Kontrolü (Doktora)**
- * Çok fazlı Reaktörler (Doktora)**
- * İleri Mühendislik Termodinamiği (YL ve Doktora)**
- * Tasarım Optimizasyonu (Doktora)
- * İleri Konvektif Isı Transferi (Doktora)**
- * İleri Simülasyon (YL ve Doktora)
- * İleri Optimizasyon (YL ve Doktora)

Not: ** Dersler İngilizce olarak verilmiştir.