ELECTIVE COURSES

MIM 252 PERSPECTIVE SKETCHING AND FREE HAND DRAWING TECHNIQUES
2 Hours/Week, Studio 1, Theory 1, 2 Credits, 2 ECTS Credits
Objective / Contents: the subject aims to develop freehand drawing techniques, enhance the knowledge and skills in notions scale and proportion working on existing spaces' perspective sketches, provide them seeing and perceiving the space, to develop unique presentation techniques and use these skills in their projects both in designing process and presentations.
Pre-requisite:-
Assessment Methods: Sketching % 40, submission of term practices %60
Recommended Readings: -
Instructor(s): Assoc. Prof. Dr. Derin Öncel

MIM 254 COMPUTER AIDED MODELLING
2 Hrs\week, Theory 2, 2 Credits, 4 ECTS Credits
Objective/Contents: This course is a study on the usage of computer in architectural design and 3D modelling. Emphasis is on providing skills for the student such as the ability of using digital representation techniques.
Pre-requisite: -
Assessment methods: Final exam
- Brightman, M., 2013, The SketchUp Workflow for Architecture: Modeling Buildings, Visualizing Design, and Creating Construction Documents with SketchUp Pro and LayOut, Wiley, New Jersey, USA
- Schreyer, A.C.,2013, Architectural Deign with Sketchup, Wiley, New Jersey, USA

Teaching Staff: Assist. Prof. Dr. Bülent Onur TURAN

MIM 352 ARCHITECTURAL PHOTOGRAPHY
2 hours/week, 2 theory, 2 ECTS Credits
Objectives/contents: Informing the student about technics and content of photography while emphasizing the core elements of architecture.
1-Teaches architectural photography techniques
2-Informing about perspective correction techniques in digital environment
3-Explains objectives, content and context of architectural photography
4-Unfolds the relationships between object-content, abstract-tangible
5-Develops original ideas about architectural photography and applies it to projects
6- Teaches abput todays photography trends
Assessment methods: 5 assignments during the semester
Recommended readings:
1. A World History of Photography, Naomi Rosenblum, Abbeville Press, 1997
2. Mimarlığın Temelleri, Lorraine Farrelly
3. Professional Architectural Photography, Michael Harris
4. Fotoğrafın Yapısal Öğeleri ve Fotoğraf Sanatında Kompoziston, Prof. Sabit Kalfagil

Instructors: Assist. Prof. Dr. Çetin Erand, Lect. Hande Toker

MIM 354 ARTIFICIAL LIGHTING
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: The purpose of the course is helping students understand and use artificial lighting in their architectural projects by teaching artificial lighting sources, artificial lighting systems, controlling artificial light, and understanding light-human-space relations.
Instructor(s): Assist. Prof. Dr. Damla Altuncu

MIM 380 EARTHEN BUILDING MATERIALS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Explaning the place of stone and earthen material in traditional architecture; describing modern uses of these materials; gaining skills and information about improving the properties of natural materials; gaining the ability to prepare reports relating to procurement of the material from nature, conservation and development of it.
Prerequisite: -
Assesments Methods: Theoretical lectures, homework and 1 midterm exam, 1 final exam.
Recommended Readings:
- Eriç, M., ''Yapı Fiziği ve Malzemesi, II. Baskı", Literatür Yayıncılık, İstanbul, 2002.
- Ersoy, H.Y., "Kompozit Malzeme", Literatür Yayıncılık, İstanbul, 2001.
- Gürdal, E., Tanaçan, L., Toydemir, N., "Yapı Elemanı Tasarımında Malzeme" Literatür Y., İstanbul, 2000.
- Artel, T., Dibağ, G. "Yapı Malzemesi", Osman Yalçın Matbaası, İstanbul, DGSA, 1969.

Instructor(s): Assoc. Prof. Dr. Mustafa Özgünler

MIM 452 HISTORY OF STRUCTURES
2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: Introduction to basic concepts of structures during the course of history.
Pre-requisite: -

Assessment methods: Midterm %40, Final %60
Recommended Readings:
Teaching Staff: Assist. Prof. Dr. Fevzi Dansık

MIM 453 THE ROLE OF CIRCULATION AREAS IN ARCHITECTURAL DESIGN
2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.
Objective/Contents: This course aims to discuss the role of circulation areas in architectural design.
Pre-requisite: -
Assessment methods: exam or term project
Recommended Readings:
CHING, F.D.K. (2004), *Mimarlık: Biçim, Mekân ve Düzen*, Çev. S. Lökçe, Yapı Yayın, İstanbul.
FORTY, A. (2000), *Words and Buildings: A Vocabulary of Modern Architecture*, Thames & Hudson, London.
GIEDION, S. (1995), *Space, Time and Architecture*, Harvard University, Massachusetts.
LE CORBUSIER (1967), *The Radiant City* (1933), Faber & Faber Ltd., London.
LUCHINGER, A. (1981), *Structuralism in Architecture and Urban Planning*, Karl Kramer Verlag, Stuttgart
Teaching Staff: Assoc. Prof. Dr. Gülşen Gülmez

MIM 454 GRAPHICAL COMMUNICATION IN ARCHITECTURE
2 Hours / Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: It is aimed to explicate the graphical design communication for architectural students by developing visual perceptions and questing the corrolation between two disciplines. Interactive performances, debating and explicating on student projects.
Assesments Methods: Mid-term evaluation grade is determined due to the oral presentations where as final grade is determined due to the text and the mid-term presentation accordance.
Recommended Readings:
Kızıl, F., Barthes, R., Berger,J., Erkmen, b., Gage,J., Deleuze G., Le Corbusier, Koolhas,R., . Tanizaki, J., Wittgenstein,L.
Instructor(s): Assist. Prof. Dr. Ayşegül KURUÇ

MIM 457 PERSPECTIVE AND SHADOW
4 Hours/Week, 1 Theory, 2 Studio, 2 Credits, 3 ECTS Credits
Objective / Contents: To improve the knowledge and the skill of pictorial expression of shapes.
Prerequisite:-
Assesments Methods: The mid term grade is determined by the evaluation of the exercises realized in class. The course grade is determined by the evaluation of the mid term grade and the final examination grade.
Recommended Readings:
· Pumann, Dastellende Geometrie, Verlag Pumann
· Y. Morçöl, Gölge, İDGSA, Yüksek Mimarlık Bölümü Yeterlilik Tezi, 1971
· L. Gürer, Perspektiv ve Gölge, Birsen Yayınevi, İstanbul, 1996
Instructor(s): Instr. Dr. Kadri Uğur Çakıroğlu

MIM 458 DIFFERENT ASPECTS IN ARCHITECTURAL DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Providing the students with a wider and updated scope in design by analyzing the actual concepts and values that affect the architectural design process.
Assesments Methods: Research homework
Recommended Readings:
· Aksoy, E., Mimarlıkta Tasarım Bilgisi, Hatiboğlu Yayınevi, 1987
· İzgi, U., Mimarlıkta Süreç, YEM Yayınevi, 1999
· Ed: Abes, C., Architecture and Identitiy Towards Global Eco- Culture, Architectural Press, Oxford, 1997
· Rasmussen, S., Yaşanan Mimari, Çev: Ömer Erduran, Remzi Kitabevi, 1994
· Zevi B., Mimariyi Görmeyi Öğrenmek, Birsen Yayınevi, İstanbul, 1990
Instructor(s): Prof. Dr. Nesrin Dengiz, Assist. Prof. Dr. Ayşegül KURUÇ, Instr. Erdal Özyurt

MIM 461 CONSERVATION AND TOURISM
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: The lecture aims to evaluation of the conservation basic problems and principles on natural, archeologic, urban historic sites which are refunctioned in the aim of tourism and case studies of different traditional buildings re-used as tourism buildings.
Assesment methods: Mid-term evaluation grade is determined due to the oral presentations where as final grade is determined due to the text and the mid-term presentation accordance.
Recommended Readings:
· Binan, Demet, 1990, Kapadokya Bölgesi İçinde Tarihsel Çevrenin Turizm Amaçlı Kullanımına Örnek; Güzelyurt-Gelveri, Turizm Yıllığı 1988-1989, Türkiye Kalkınma Bankası Yayını, Ankara,s. 132-150.
· Binan, Demet, 2001, Türkiye'de Mimari Koruma - Turizm İlişkisi, www.okuyanus .com.tr (Elektronik Ortamda Yayınlanan Dergi),
· Çakılcıoğlu, Mehmet, 1996, Sürdürülebilir Turizme Yönelik Bir Yöntem Önerisi, Doğu Karadeniz/ Trabzon İli Özelinde Bir İrdeleme, Doktora Tezi, MSÜ, İstanbul.

· Karaman, Aykut, 1996, Sürdürülebilir Turizm Planlaması İçin Ekolojik Bir Çerçeve, Sürdürülebilir Turizm; Turizm Planlamasına Ekolojik Yaklaşım, 19.Dünya Şehircilik Günü Kollokyumu, MSÜ, İstanbul.
· Icomos Uluslararası Kültürel Turizm Tüzüğü, Meksika,1999.

Instructor(s): Prof. Dr. Demet BİNAN

MIM 462 THE GENERAL CHARACTERISTICS OF OTTOMAN BUILDING COMPLEXES AND THEIR ADAPTATION TO CONTEMPORARY USE

2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits.

Objectives/Contents: The lecture aims to analysis concept, aspect, general characteristics, principles of formation and present condition of Ottoman Complexes and their adaptation to contemporary life.

Pre-requisite:-

Assesment methods: Mid-term evaluation grade is determined due to the oral presentations where as final grade is determined due to the text and the mid-term presentation accordance.

Recommended Readings:

· Tokay, H. 1994, Osmanlı Külliyelerinin Temel Özellikleri Ve Günümüz Ortamında Değerlendirilmeleri. Doktora Tezi.
· Sezgin, H. 1984, Türk Ve İslam Ülkeleri Mimarisine Toplu Bakış. MSÜ Yayını, 4.
· Aslanapa, O. 1984, Türk Sanatı I-II, Kervan Yay, İstanbul.
· Kuran, A. 1986, Mimar Sinan. Hürriyet Vakfı Yayını. I. Baskı, İstanbul.
· Goodwin, G. 1971, A History Of Ottoman Architecture, London. (6) Kuban, D., 2007, Osmanlı Mimarisi, YEM Yayınları, İstanbul.

Instructor(s): Assoc. Prof. Zeliha Hale TOKAY

MIM 463 DESIGN INTEGRITY IN ARCHITECTURE AND INTERIOR SPACES

2 Hours/Week, 2 Theory, 2 Credits, 2 ECTS Credits

Objective / Contents: Research of integrity concept in architectural design. The study of interior spaces following the architectural design principles of the building it takes place. Discussion and evaluation of the concept in cultures and in the master designers' work

Pre-requisite:-

Assessment Methods: Final: research poster and presentation

Recommended Readings:

· Rapoport,A., Kültür, Mimarlık, Tasarım,Yapı Yayın,2004,
· Zevi, B., Mimariyi Görmeyi Öğrenmek, Birsen Yayınevi, 1990,
· Benevolo, L.,Modern Mimarlığın Tarihi, Çevre Yayınları, 1981,
· Rasmussen, S.E., Yaşanan Mimari,
· Soygenifl, S,Mimarlık Düşünmek Düşlemek, Yem Yayın, 2006

Instructor(s): Assoc. Prof. Dr. Figen Kafesçioğlu

MIM 464 FURNITURE IN THE EVOLUTION OF INTERIOR SPACES (MIM 521)

2 Hours/Week,2 Theory, 2 Credits, 2 ECTS Credits

Objective / Contents: The aim of the course is to focus on the evolution and use of furniture in the physical and social history of interior space.

Pre-requisite:-

Assessment Methods: Midterm exam, Final Exam

Recommended Readings:

"Les meubles;tous les styles de la renaissance à nos jours", sous la direction de Riccardo Montenegro, Paris, 1992.

Instructor(s): Assoc. Prof. Dr. Derin Öncel

MIM 465 ARCHITECTURE AND AUTHORITY

2 Hours / Week, 2 Theory, 2 Credits, 3 ECTS Credits

Objective/Contents: The aim of this unit is to discuss the issue of power, in a wide perspective and therefore to let the students to develop an analytical approach towards the relation between architecture and power, and to grasp the role of power in terms of the built environment. The relation of power an architecture will be discussed in this context, an mainly focused on the nineteenth century developments.

Pre-requisite:-

Assessment Methods: Research homework

Recommended Readings:

· ARDAMAN, Emel, 'Perspective and Istanbul, the Capital of Ottoman Empire', Journal of Design History, OUP, İngiltere, Temmuz 2007 (baskıda)
· ARDAMAN, Emel, 'Politik bir Veri Olarak Yasal Verilerin Mimari Tasarıma Etkisi', Mimari Tasarım Sorunları Ders Notlari 1997-1998, M.S.Ü., Mimarlık Fakültesi Yayını, İstanbul, 1998.
· BENEVOLO, Leonardo, Modern Mimarlığın Tarihi, Birinci Cilt: Sanayi Devrimi, Çev. Atilla Tokatlı, Çevre Yayınları, İstanbul, 1981.
· BERMAN, Marshall, Katı Olan Her Şey Buharlaşıyor, Modernite Deneyimi, Çev. Ümit Altuğ – Bülent Peker, İletişim Yayınları, 1999, Beşinci Baskı, Birinci Baskı İstanbul, 2002.
· BUMİN, Kürşat, Demokrasi Arayışında Kent, Ayrıntı Yayınevi, İstanbul, 1990.
· DEMİRKAN, Tarık, 'Tarih Boyunca Kuşatılan Özgürlük Adaları; Kentler', Cogito, Kent ve Kültürü, 8, Yaz 1996, Yapı Kredi Yayınları, s.17-22.
· FLORENSKI, Pavel, Tersten perspektif, Metis Yayınları, İstanbul, 2001.

· FOUCAULT, M., Hapishanenin Doğuşu, İmge Yayınevi, İstanbul, 2000.
Instructor(s): Assoc. Prof. Dr. Emel Ardaman

MIM 467 PREFABRICATED BUILDING PROJECT
4Hours/Week, 2 Theory, 2 studio,3 Credits, 4 ECTS Credits
Objective / Contents: To discuss the application principals of prefabricated reinforced concrete building elements and systems, related to individual projects. The main topic of the course is the discussion of the aspects affecting the prefabricated reinforced concrete building production process and, to produce a project regarding these discussions.
Pre-requisite: MIM 606
Assessment Methods: Midterm Grade%40 (Studio %50+ Project %50) + Term Project Assignment Grade %60
Recommended Resources:
· Ayaydın, Y. ve Koman, İ. "Mimarlar için 12 Soruda Beton Prefabrikasyon"
· Ayaydın, Y., 1987. Taşıyıcı Duvar Perdeli Prefabrike Betonarme Yapılar, Yılmaz Ofset Matbaası, İstanbul.
· Ayaydın, Y., 1992. Betonarme Çok Katlı Prefabrike İskelet Sistemler – Değerlendirme Önerileri (cilt 2), Kurtiş Matbaası, İstanbul.
· Ayaydın, Y., 1992. Betonarme Çok Katlı Prefabrike İskelet Sistemler – Sistemlerin tanıtımı (cilt 1), Kurtiş Matbaası, İstanbul.
· Ayaydın, Y., 1997. Mimari Açıdan Prefabrike Sistemler, Bildiri, Prefabrike İnşaat Teknolojileri Sempozyumu, Boğaziçi Üniversitesi, İ.T.Ü. İnşaat Fakültesi Matbaası, İstanbul.
· Ayaydın, Y. Ve Deniz, Ö. Ş., 1996. Toplu Konut Tasarımlarında, Kullanım Esnekliğini Sağlamaya Yönelik Arayışlar, Bina Yapımında Güncel Yaklaşımlar Sempozyumu, MSÜ Mimarlık Bölümü-TBD, İstanbul, 3-5 Mayıs, s.255-276.
· Ayaydın, Y., Deniz, Ö. Ş., Ve Mert, İ., 1996. Toplu Konut Üretimine Yönelik, Betonarme Önüretimli Bir Yapısal Mekan Önerisi, TÜBİTAK, İNTAG-TOKİ 525, İstanbul.
Instructor(s): Assoc. Prof. Dr. İlkay Koman

MIM 469 SYSTEMATIC APPROACHES TO ARCHITECTURAL DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 4 ECTS Credits
Objective / Contents: This course aims to discuss the design criterias of the architectural structures which are designed during 20th century on due to the systematic concepts of the architects and also to analyse the effects of the philosophy in the context of architecture.
Pre-requisite:-
Assessment Methods: Final homework
Recommended Readings:
· Hulûsi Güngör, Görsel Sanatlar ve Mimarlık için Temel Tasar, BDBRH San. Ltd. Şti. Yayınevi
· Bülent Özer, Kültür, Sanat, Mimarlık
Instructor(s): Prof. Dr. Aylâ Antel, Assist. Prof. Dr. Elvan Erkmen, Assist. Prof. Dr. Alp Sunalp, Lect. Kurtul Erkmen, Lect. Haydar Dişbudak

MİM 470 FINE ARTS PAINT-PATTERN
4 Hours/Week, 2 Theory, 2 Application, 3 Credits, 3 ECTS Credits
Objectives/Contents: 1-When studying nature through pattern, to provide a detailed understanding of perception method.
2- To enrich the aesthetic perception and perspectives as a result of the examination of the works of the masters in art history in the light of the basic concepts of plastic arts
3- Using different materials and techniques to explore the possibilities of linear expressions.
4-While studying the object or space desired to be expressed in terms of aesthetic perception to ensure that they have a unique style of design.
Drawing practices with model
Understanding that the pattern is an expression tool
The importance of patterns in questioning aesthetic integrity in the process of design
Pre-requisite:-
Assesment methods: Midterm and Final Exam
Recommended Readings:
· Jose M.P. (1994) ''İnsan Figürü Çizimi'', İstanbul, Remzi Kitabevi.
· Turani A. (1978) ''Resimde Geometri'', Ankara, İş Bankası Yayınları.
· Wolfflin, H., 1973, Çev. Hayrullah Örs, Sanat Tarihinin Temel Kavramları, İstanbul Üniversitesi Edebiyat Fakültesi Yayınları, İstanbul
Instructor(s): Assist. Prof. Ferda YÜKSEL

MIM 472 ARCHITECTURAL PRESENTATION TECHNIQUES
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: Teachıng students architectural presentation techniques by using computer software tools. Students are expected to develop computer aided architectural presentatıon skills . For this purpose presentation related computer programs are explained in concept of architecture.
-While students reflect their design capabilities to digital environment, they gain the skills needed to transmit and present their design to people from any profession.
-Students will use the opportunities provided by latest technological advancements.
-They improve their skills on using computer programs for presentation
-They gain technical knowledge about presentation and visualisation.

Assessment methods: 40% midterm+ 60% final submission
Recommended readings: -
Instructor(s): Assist. Prof. Dr. Seher Başlık, Instr. Kemal Şahin

MIM 473 FANTASTIC SPACES: FROM YESTERDAY TO TODAY PUPPET THEATER
2 hrs / week, 2 Theory , 2 Credits, 3 ECTS Credits
Objectives/Contents: Teaching students design of puppet theaters and building its scale model. Studying the problems of children-scale Theater and developing solution to them.
Assessment methods: Final Submission at the end of semester
Recommended Readings:
And, M., 1987. Türk gölge tiyatrosu Karagöz, İstanbul.
Bezdek, Z., 1973. Les théâtres tchécoslovaques de marionnettes, Prague.
Brandon, J.R., 1967. Theatre in Southeast Asia, Cambridge.
Craig, E. G., 1911. On the art of the theatre.
Erda, B., 1975. Chinese shadow theatre, New York.
Keene, D., 1973. Art of the Japanese puppet theatre, Tokyo.
Marchal, H., 1965. Théâtre d'ombres à Siemreap.
Rachow, 1981.Theatre and performing arts collection.
Reininger, L., 1975. Shadow puppets, shadow theaters and shadow films, Boston.
Schaeffner, A. Rituel et pré-théâtre, histoire des spectacles, Paris.
Shershow, S. C., 1995. Puppets and popular culture.
Szilagyi, D., 1978. Contemporary Hungarian puppet theatre, Budapest.
Soulier, P., 1972. Marionnettes leur manipulation leur théâtre, Paris.
Speaight, G., 1955. History of the English puppet theatre, London.
Instructor(s): Assist. Prof. Dr. Elâ Güngören
3 hrs / week, 1Theory , 2 Application, 2 Credits, 3 ECTS Credits

MİM 475 3 D MODELLİNG AND ARCHİTECTURAL ANİMATİON
Objective / Contents: Developingtheskillsfort he usageof three-dimensionalmodelingandanimationprograms in architecturaldesignprocess,strengthening of visualizationandpresentationskills.
Maya software is used as theprogrammingenvironment. General concepts of the three-dimensional environmentarelearnedIncreasingly complex architectural solutions are to be solvedwiththehelp of computerprogrammingtechniques. Tocreatephotorealisticvisualcontrolswithinthescope of Maya software, basicanimationmethodsarelearned.
Assesment methods: midterm and final exam
Recommended Readings:
· Dutre Philip, Bekaert Philippe and Bala Kavita, Advanced Global Illumination, Second Edition, 2006.
· Palamar Todd, Mastering Autodesk Maya 2013, John Wiley&Sons, 2012.
· Pharr Matt, Physically Based Rendering: From Theory To Implementation: 2nd Edition, 2010.
· Park John Edgar, Understanding 3D Animation Using Maya, Springer, 2005.
· Shiflet Angela, Shiflet George, Introduction to Computational Science: Modelling and Simulation for the Science, 2006.
· Tüker Çetin, Tasarımdan Uygulamaya 3D Mantığı, Pusula Yayıncılık, 2007
Instructor(s): Instr. Aslı Ağırbaş

MIM 476 ANALYSIS AND CONTROL OF THE PHYSICAL ENVIRONMENT II
3 Hours/Week, 1Theory, 2 studio, 3 ECTS Credits
Objective / Contents: Informing the students during architectural education about the general evaluation of the physical environment and building physics problems in terms of heat, water, humidity, sound, physicochemical effects, fire and atmospheric effects considering the ecological balance.
Prerequisite: -
Assesments Methods: Theoretical and studio lectures, 1 midterm homework and 1 midterm exam and 1 final homework, 1 final exam.
Recommended Readings:
· Arens, E., Bosselmann, P., 1989, Wind, Sun and Temperature- Predicting the Thermal Confort of People in Outdoor Spaces, Building and Environment, Pergamon Press, Vol.24, No:4.
· Florides, G.A., Tassou, S.A., Kalogirou, S.A., Wrobel, L.C., Review of solar and low energy cooling technologies for buildings. Renewable and Sustainable Energy Reviews, Dec 2002.
· Gandemer, J., Les Effects Aerodynamiques du Vent Dans Les Ensembles Batis, Technique Architect, No. 325, 1979.
· Oka, T., Thermal Environment in Urban Areas, D7, 1980, Swedish Coucil for Building Research, Stockholm, 1980.
· Ok, V., Özgünler, M., vd., Yerleşme Dokusu Dizayn Değişkenlerinin Açık Mekanlardaki Rüzgar Hızına ve Akım Tipine Etkilerinin İncelenmesi, TÜBİTAK İNTAG-214, 1996b.
· Ewing, R.A.,Power With Nature: Solar and Wind Energy Demystified, 12 April 2003.
· Tiwari, G.N., Solar Energy: Fundamentals, Design, Modelling and Applications, May 15, 2002.
· Anon, Binalarda Isı Etkilerinden Korunma Kuralları, Türk Standartları Enstitüsü, TS 825, 2000.
Instructor(s): Assoc. Prof. Dr. Mustafa Özgünler

MIM 477 ADAPTIVE RE-USE OF ARCHITECTURAL HERITAGE
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: The cultural assets has lost its original function by time and as a result of this buildings become abandoned, be used inappropriate functions and finally caused to be vacant. The main aim of this course is to determine the new approaches that provide the appropriate re-use proposals of cultural heritage in different scales. **Pre-requisite:**-
Assessment Methods: Mid-term evaluation grade is determined due to the oral presentations where as final grade is determined due to the text and the mid-term presentation accordance.
Recommended Readings:
- Altınoluk, Ü. "Binaların Yeniden Kullanımı". YEM yayınları, İstanbul, 1998.
- Aşkun, İ. "Mimari Anıtların Yeniden İşlevlendirilmesi", Basılmamış Profesörlük Çalışması, İstanbul, 2001.
- Cantacuzıno, S., Re/Architecture: Old Buildings / New Uses, London: Thames and Hudson, 1989.
- Gause, J. A., New Uses for Obsolete Buildings, Washington D.C.: Urban Land Institute, 1996.
- Greer, N.R., Architecture Transformed: New Life for Old Buildings, Glouster, 1998.
- Latham, D.Creative Re-use of Buildings, Principles and Practice, vols. I-II, Donhead Publishing Ltd., 2000.
- Robert, P., Reconversions - Adaptations: New Uses for Old Buildings, Pariskm, 1989.

Instructor(s): Assist. Prof. Burcu Büken Cantimur

MIM 478 RESEARCH AND WRITING TECHNIQUES IN ARCHITECTURAL DESIGN
2 Hours/Week, 2 Theory, 3 Credits, 3 ECTS Credits
Objective / Contents: The design and project process of a building requires research including a thinking process based on metaphoric descriptions. In order to express the thinking process behind the design often a written text is required to accompany the drawing. The module concentrates on this architectural report writing process and aims for the students of architecture to gain experience in expressing themselves through written texts delivering thus an additional skıill beyond their drawing ability.
Prerequisite:-
Assesments Methods: Research homework
Recommended Readings:
- Vitruvius, Mimarlık Üzerine 10 Kitap
- W. Müller-G.Vogel, Mimarlık Atlası 1ve 2, YEM Yayınları, 2012
- H.Seyidoğlu, H., "Bilimsel ve Yazma El Kitabı", 2000
- K.L. Turabian, "A Manual For Writers of Term Papers, Theses and Dissertation", 1996

Instructor(s): Prof. Dr. Zeynep Aygen, Assoc. Prof. Dr. Besime Şen, Assist.Prof. Dr.Eser Yağcı

MIM 481 SPACE PERCEPTION, MIND AND BRAIN
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: This course provides a theoretical framework on the principal issues concerning the principal incomes of the design process to say the body mind and brain interaction.
Social and emotional way of life, structures, and designs are a reflection of the mind. Advances in neurosciences provides information about the management of the design process. This course is based on the informations and theoretical accounts from neurosciences and cognitive psychology. The purpose of this course, is to give to the design students, basic knowledges about the structure and functioning of the human brain, the perception process, diverse brain functions involving in space perception an in design activities.
Main purposes of this course are:
1 The comprehension of the architectural design process, related to the structure and functioning of the brain, mind and the body.
2 The perception of space based on the analyse of the brain structure and the psychological features.
3 The impact of emotional and social brain In the architecturlal design process and the space experience.
Main topics to introduce;
Brain science and the development of brain structure and function, emotion - hormones and thought the formation of the social brain and architecture, the emotional brain and architecture, nature of human perception of space, the human action on space and human scale, motor imagery, perception and action, architectural design design, urban design, architecture and social life.
Pre-requisite:-
Assessment methods: The courses include the theory presentations, reading, reading a prepared and final drafting work on one or more works, content reports and workshops.
Recommended Readings:
- Brown, John Seely and Duguid, Paul (2000). *The Social Life of Information*. Boston. Harvard Business School Press.
- Cairns-Smith, A.G. (1996). *Evolving the Mind*. Cambridge: Cambridge University Press.
- Carter, Rita (1998). *Mapping the Mind*. Berkeley, Los Angeles, and London: University of California Press.
- Dehaene, S. (2009). Reading in The Brain. NY:Penguin Group Pub.
- Eberhard, John P. (2007). *Architecture and the Brain: A Knowledge Base from Neuroscience*. Atlanta: Greenway Communications, LLC.
- Graven, S. (2004). The Physical and Developmental Environment of the NICU and Infant Outcome. College of Public Health, University of South Florida
- Andler D., (sous la dir.), (2004), Introduction aux sciences cognitives, Paris, Editions Gallimard.
- Bennett M.R., Hacker P.M.S., (2003), Philosophical Foundations of Neurosciences, Malden, Blackwell,

Instructor(s): Assoc.Prof.Dr. Ufuk Dogrusöz, Assist.Prof.Dr.Bengisu Koyuncu

MIM 521 FURNITURE IN THE EVOLUTION OF INTERIOR SPACES

2 Hours/Week, 2 Theory, 2 Credits, 2 ECTS Credits
Objective / Contents: The aim of the course is to focus on the evolution and use of furniture in the physical and social history of interior space.
Pre-requisite:-
Assessment Methods: Midterm exam, Final Exam
Recommended Readings:
"Les meubles;tous les styles de la renaissance à nos jours", sous la direction de Riccardo Montenegro, Paris, 1992.
Instructor(s): Assoc. Prof. Dr. Derin Öncel

MİM 522 FOUNDATIONS OF PHILOSOPHY OF SCIENCE
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: Students thought of western civilization, the development of science in terms of the basic information given. Ensuring the habit of discussion within the context of science.
During the course information regarding the basis of the philosophy of science and the conditions of its development will be transferred to students and the meanings that the idea of science received over the various processes will be compared.
Instructor(s): Instr. Ali Mehmet Timuçin

MIM 523 "IN-BETWEEN" SPACES IN ARCHITECTURE
2 Hrs\week, 2 Theory, 2 Credits, 2 ECTS Credits
Objective/Contents: To focus on the determinants of architectural space, to make researches on the creation and experiencing of it and to work on the "in-between" space concept and the form it gets in various ages of the spatial history and various cultures.
Pre-requisite: -
Assessment methods: Seminars
Recommended Readings:
· Hertzberger, H., Lessons for Students in Architecture, Uitgeverij 010 Publishers, Rotterdam, 1991,
· Cullen, G., Townscape, The Architectural Press, London, 1965,
· Norberg-Schulz, Existance, Space and Architecture, Praeger Publishers, London, 1971,
· Carmona M., Urban Places, Urban Spaces, Architectural Press, 2003,
· Tschumi, B., Event-Cities series (Praxis), Cambridge, MIT Press,1994,2000,2005.
Teaching Staff:): Assoc.Prof. Dr. Figen Kafesçioğlu

MIM 524 SUSTAINABILITY FOR NEW APPLICATION IN BUILT ENVIRONMENT
2 Hours/Week, 2 Theory, 3 Credits, 3 ECTS Credits
Objective / Contents: Yapılı çevrede yeni uygulama yapılırken, farklı disiplinlerin bu uygulamaların tasarlanmasında kullanım biçimleri dersin genel içeriğini oluşturmaktadır**.**
Prerequisite:-
Assesments Methods: Research homework
Recommended Readings:
· Eski Bir Çevrede Yeni Yapılaşma, Friedrich Kurrent, Çeviren:İdil Uçar, http://dergi.mo.org.tr/dergiler/4/546/8147.pdf
· Bir Yanılsama: Ek, Mimarlık Dergisi- Mimari Tasarım, Sayı 359, Murat Şhin
· International Heritage And Historic Building Conservation, Zeynep Aygen, Routledge, New York&Londra, 2012
Instructor(s): Prof. Dr. Zeynep Aygen, Assist.Prof.Dr.Eser Yağcı

MİM 525 INTRODUCTION TO PARAMETRIC DESIGN
3 hrs / week, 1Theory , 2 Application, 2 Credits, 3 ECTS Credits
Objective / Contents: Thecoursewhichcoversintroductiontoparametricdesignmethodologies in architecturaldesignprocess, aimstoinvestigatesolutions of architecturaldesignproblemswithalgorithmicprocesses in three-dimensionalmodelingprograms. Rhinoceros / Grasshopperused as software programming environment.2-dimensional and 3-dimensional basic concepts of Rhinoceros software will be learned. Increasingly complex architectural solutions are to be solved with the help of computer programming techniques grasshopper software running under Rhinoceros used in the introduction process of parametric design. After reviewing the basic concepts of parametric design, coding process is continued. Withpost production applications in Rhinoceros controls.for creating photo realistic images will be learned.
Pre-requisite:-
Assesment methods: Assignments
Recommended Readings:
· Lynn Greg, Animate Form, Princeton Arch. Press, 1999.
· Rahim Ali, Catalytic Formations, Taylor&Francis, 2006.
· Terzidis Kostas, Algorithmic Architecture, Arch. Press, 2006.
· Tüker Çetin, Tasarımdan Uygulamaya 3D Mantığı, Pusula Yayıncılık, 2007
· Woodbury Robert, Elements of Parametric Design, Routledge Chapman & Hall, 2010.
Instructor(s): Instr. Aslı Ağırbaş

MIM 551 FACADE CONSTRUCTIONS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits

Objective / Contents: To explain basic information on façade constructions, detailing, application methods, to inform students on different façade systems. Details of façade constructions, information on façade systems formed by various materials and technologies, and their applications.
Pre-requisite:-
Assessment Methods: Midterm Exam %30 + Final Assignment Grade %70
Recommended Resources:
· Schittich, C., 2001. Building Skins: Concepts, Layers, Materials, Edition Detail- Institut für internationale Architektur-Dokumentation GmbH, Birkhäuser Publishers for Architecture, Basel.
· Schittich, C., Staib, G., Balkow, D., Schuler, M., Sobek, W., 1998. Glasbau Atlas, Birkhäuser Verlag, Basel.
· Oesterle, E., Lieb, R.D., Lutz, M., Heusler, W., 2001. Double-Skin Facades, Integrated Planning, Prestel Verlag, Munich.
· Nashed, F., 1996. Time-Saver Details for Exterior Wall Design, McGrow-Hill, New York.
· Herzog, T., 2004. Fassaden Atlas, Institut für Internationale Architektur-Dokumentation GmbH & Co. KG, München.
· Behling, S., 1999. Glas Konstruktion und Technologie in der Architektur, Prestel Verlag, München.
· Allen, W., 1997. Envelope Design for Buildings, Architectural Press, Butterworth-Heinemann Linacre House, Jordan Hill, Oxford.
· Knaack, U., Klein, T., Bilow M., Auer T., 2007. Façades Principles of Construction, Birkhäuser Verlag AG, Basel.
Instructor(s): Asst. Prof. Dr. N. Volkan Gür

MIM 552 TIMBER CONSTRUCTION SYSTEMS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Systematic explanation of timber construction varieties, information on basic topics and detailing of the systems, geographical distribution of main systems. The content of the course consists of, technical information on timber construction systems and theoretic principles of structural system classification.
Pre-requisite:-
Assessment Methods: Midterm Exam %50 + Final Exam %50
Recommended Resources: -
Instructor(s): Asst. Prof. Dr. Suat Çakır

MIM 554 STEEL STRUCTURES
2 Hours/Week, 2 Theory, 2 Credits, 2 ECTS Credits
Objective / Contents: Definition of steel structures and steel load carrying elements, basic concepts of steel structures design.
Pre-requisite:-
Assessment Methods: 1 midterm exam + 1 final exam
Recommended Resources: -
Instructor(s): Assist.Prof.Dr.Fevzi Dansık

MIM 555 REINFORCED CONCRETE STRUCTURES
2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: Introduction to the principles of the design of reinforced concrete structures.
Pre-requisite: MIM 304
Assessment methods: Midterm, final exam
Recommended Readings:
· Celep Zekai, Kumbasar Nahit, Örneklerle Betonarme, 1993
· Tuna, Mehmet Emin, Çözümlü Örneklerle Betonarme, 1992
Teaching Staff: Assist. Prof. Dr. Fevzi Dansık

MIM 556 CONSERVATION TECHNIQUES OF CONSTRUCTION MATERIALS
2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: It is aimed to introduce material destructions in old buildings and relative protection techniques of different materials.
Pre-requisite:-
Assessment methods: Midterm exam, Final Exam
Teaching Staff: Prof. Dr. Kemal Çorapçıoğlu, Assoc. Prof. Dr.N.Papatya Seçkin

MIM 559 LOCAL INFLUENCES IN TRADITIONAL ARCHITECTURE
2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.
Objective/Contents: This course provides a conceptual framework for the students to evaluate several approaches about the concept of 'space' in architecture and design criteria.
Pre-requisite: -
Assessment methods: exam or term project
Recommended Readings:
Books about traditional architectural approaches in territories to be analyzed.
Teaching Staff: Prof. Nursel Onat, Assoc. Dr. Gülşen Gülmez

MIM 560 INDUSTRIALIZED BUILDING DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits

Objective / Contents: Presenting the students with the aspects of industrialized building design, so as to enhance the ability of designing in accordance with the modern building methods.
Prerequisite:-
Assesments Methods: Research homework oral presentation and final presentation
Recommended Readings:
- Schmid, Th., Testa, C., Systems Building Bauen mit Systemen-Construction modularies, Less. Editions, d'architecture Artemis, 1969
- Dengiz, N., Endüstriyel Yönemlerle Betondan Yapılmış Katalog Yapı Bileşenleri Kullanım Yoluyla, Kentsel Konut Üretiminde Bileşenlerin Tasarımı, Üretim ve Uygulama Sorunları ile Türkiye Koşullarında Yapılan Değerlendirmeler, İDGSA Yayınlanmamış Doktora Tezi, 1979
- Koncz, T., Prefabrikasyona Giriş, Yapı Merkezi, İstanbul, 1979
- Bernard, P., La Constuction par Composants Compatibles, Les Editions du Moniteur , Paris, 1980
- Architecture for The Future, Editions Pierre Terrail, Paris, 1996

Instructor(s): Prof. Dr. Nesrin Dengiz

MIM 561 THE REFLECTION OF SOCIO-CULTURAL FACTORS AND ENVIRONMENTAL RELATIONS ON ARCHITECTURE
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Analyzing the topic in order to inspire the students to question the built environment by researching relative case studies
Assesments Methods: Research homework oral presentation and final presentation
Recommended Readings:
- İncedayı, D., Çevre Tümdür, Bağlam Yayınları, 2002
- Tarilli, S., İnsanlığı Nasıl Bir Gelecek Bekliyor, Adam Yayınları, İstanbul, 2000
- Timuçin, A., Düşünce Tarihi I, II, III, Bulut Yayınları, 2000
- Pearson, M., Richards C., Architecture of Order, Aproaches to Social Space, Routledge, London.
- Güvenç, B., Kültürün abc'si, YKY, İstanbul, 1998

Instructor(s): Prof. Dr. Deniz İncedayı

MIM 562 STYLISTIC PLURALITY IN RELIGIOUS ARCHITECTURE
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: To relate the stylistic developments with religious buildings in order to perform an objective architectural comparison related to different cultures, civilizations and periods.
Pre-requisite:-
Assessment Methods: Midterm %50, final %50
Recommended Readings:
- Belkıs Mutlu, Mimarlık Tarihi Ders Notları, Mimarlık Vakfı Yayınları
- Behçet Ünsal, Mimari Tarihi, YTO Yayınları
- Jan Gympel, The Story of Architecture from Antiquity to the Present, Könemann

Instructor(s): Prof. Dr. Aylâ Antel

MIM 563 TRADITIONAL AND VERNACULAR ARCHITECTURE AND ITS CONSERVATION
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: The lecture aims to give information about the conservation of traditional house which is the most important building type that constitutes the traditional architecture, and similar building types.
Pre-requisite:-
Assesment methods: Mid-term evaluation grade is determined due to the oral presentations where as final grade is determined due to the text and the mid-term presentation accordance.
Recommended Readings:
- Sezgin, H.,1984, Vernaküler Mimari Ve Günümüz Koşullarındaki Durumu, Mimarlık, 84/3-4, S. 201, İstanbul, 44-47.
- Akın, G.,1985, Doğu Ve Güneydoğu Anadolu'daki Tarihsel Ev Tiplerinde Anlam, İ.T.Ü. Mim. Fak.Yay., İstanbul.
- Binan, D.,1994, Güzelyurt Örneğinde , Kapadokya Bölgesi Yığma Taş Mimarisinin Korunması İçin Bir Yöntem Araştırması, Y.T.Ü. Fen Bil. Ens. Yay.,İstanbul.
- Binan,D.,1995, Yöresel Mimari- Habitat İlişkisinin Koruma Olgusundaki Yeri Ve Önemi, 3. Kentsel Koruma Yenileme Ve Uygulamalar Kollokyumu, Toplumsal Gelişme Sürecinde Kentsel Korumanın İşlevi,13-14 Nisan 1995, M.S.Ü. Şehir Ve Bölge Planlama Bölümü Kentsel Koruma Ve Yenileme Disiplin Grubu, İstanbul.

Fersan, N., 1980, Küçük Anadolu Kentlerinde Tarihsel Dokunun Korunması İle İlgili Bir Yöntem Araştırması,İ.T.Ü. Mim.Fak.Yay, İstanbul

Instructor(s): Prof. Dr. Demet BİNAN

MIM 564 THE RELATIONSHIP BETWEEN PLASTIC ARTS AND ARCHITECTURE
2 Hrs\week,2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: To evaluate the relationship between art and architecture in the wide context from pre-agricultural civilizations to the post-modern with an emphasis on the cultural and philosophical characteristics of the societies.
Pre-requisite:-
Assessment methods: Midterm exam or term project, final exam
Recommended Readings:

Visual Arts in the 20th Century, E.Lucie Smith, S. Laurence, King Yayınevi, Londra.
Jan Gympel, The Story of Architecture from Antiquity to the Present, Könemann. 3. 1960 Sonrası Sanat, S. Germaner, Kabalcı, 1997. 4. Jugendstijl, Klaus- Jürgen Sembach, Benedikt Taschen Verlag, 1993, Bonn.
Teaching Staff: Assoc. Prof. Dr.Ayla Antel, Assist. Prof. Dr. Elvan Erkmen, Assist. Prof. Dr. Gevher Acar, Assoc. Prof. Dr. Ebru Özeke Tökmeci

MIM 565 TEXTILE IN ARCHITECTURE
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Informing about raw materials, manufacture and selection of the technical textile material which is an industrial product used in visible and non-visible surfaces in buildings; explanation of these materials with application and technical properties in man-made and natural environments in terms of physical comfort conditions; determination of all elements and components in architecture in which textile material can be used; informing about production, technical properties and application details of textile material.
Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm exam, 1 final homework.
Recommended Readings:
· Horrocks A.R.& Anand S.C., Teknik Tekstiller El Kitabı, Türk Tekstil Vakfı, İstanbul.
· Gürcüm B.H., Tekstil Malzeme Bilgisi, Grafiker Yayınları, Ankara, 2005.
· Demir A., Behery H.M., Tekstil Teknolojisi, İstanbul, 2000.
· Gohl, E.P.G., Vilensky L.D., Textile Science. 2.Ed. Cheshire: Longman.
· Karataş İ., Tekstil Teknolojisi Ders Notları, Konya Selçuk Üniversitesi, 2004.
· Yakartepe Z., Tekstil Ansiklopedisi Cilt No: 4, T.K.A.M., İstanbul, 1994.
· Kirby R.H., Vegetable Fibres, Leonard Hill, London.
· John N.W.M., Geotextiles, London, Blackie, 1987.
Teaching Staff: Assoc. Prof. Dr. Çiğdem Tekin

MIM 566 METAPHOR IN GARDEN DESIGN
2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.
Objective/Contents: This course aims to discuss the alternating symbolism of garden design in centuries and the relationship between the landscape architecture (also garden design) and the disciplines like philosophy, literature and architecture in the history of architecture.
Pre-requisite: -
Assessment methods: Final homework
Recommended Readings:
· Gönül Aslanoğlu Evyapan, Tarih İçinde Formel Bahçenin Gelişimi ve Türk Bahçelerine Etkileri, Ankara ODTÜ,1974
· Sedad Hakkı Eldem, Türk Bahçeleri , Kültür Bakanlığı, Sanat Eseleri, İstanbul , M.E.B. Basımevi
· European Garden Design , E. Kuckert Könemann, Köln.
· Empowered Gardens, Architects and Designers at Home ,C.Soucek King P.C. International , New York
· The Story of Philosophy, From Antiquity to the Present, C. Delivs, M. Gatzemeier, D. Sertcan, K.Wünscher, Köln, 2000
Teaching Staff: Assist. Prof. Dr. Elvan Erkmen

MIM 567 ARCHITECTS, THEIR LIVES AND WORK
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The aim of this course is to examine the lives and work of architects as professionals who have helped the development of the art of building and its history and to determine their relationship with architectural theory.
Pre-requisite:-
Assessment Methods: Midterm %30, final %70
Recommended Readings:
· Jan Gympel, The Story of Architecture from Antiquity to the Present, Könemann, 1996
· H.R. Hitchcock, World Architecture, Hamlyn, 1977
Instructor(s): Assoc. Prof. Dr. Ebru Özeke Tökmeci

MIM 568 BASIC GEOMETRICAL ORGANIZATIONS IN ARCHITECTURAL DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 2 ECTS Credits
Objective / Contents: Introducing basic architectural elements during the constructing the architectural geometry in Design Studios to students. Make them to think and design three dimensional of these elements relation with each other. Explaining the basic notions and discussing the geometrical installation.
Pre-requisite:-
Assessment Methods: 1 Midterm exam, 1 Final exam.
Recommended Readings:
· Architecture: Form, Space and Order. F.D.K. Ching.
· Mimarlık, Form ve Geometri. E.Onat Y.E.M.yay.
· Wettbewerbe Aktuell, Architectural
· Review vb. dergiler.
· www.competitionline.de
Instructor(s): Assist. Prof. Dr. Rıdvan Kutlutan

MİM 569 ENVIRONMENTAL AWARENESS ARCHITECTURAL DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 2 ECTS Credits
Objectives/Contents: Increase the awareness of the environment sensitivity in the architectural design process.
- Having the ability of creating environment-friendly arcitectural designs that satisfy both aesthetic and technical requirements.
- Realize the relationship between people, buildings and environment and also recognize the association with the human scale, the quality of living and human needs.
- Being conscious of natural environmental and cultural values and having adequate knowledge and awareness of their protection.

Instructor(s): Instr. Rüksan Doksatlı Tuna

MIM 570 PROFESSIONAL ETHICS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: Develop the students' ability to think in depth on the conceptions, profession, architecture, morality and ethics and to discuss critically with concrete problems of today. The job description in the form of today's business life, especially with the job description to discuss critically with concrete examples. Gaining the ability to foresee the ethical problems one could face in the business life and discuss these problems in the context of ethical principals.
The aim of the course is to discuss the sensibility to environmental values with anthropocentric approaches in architectural field and to create social, cultural, occupational, environmental responsibility and ethic conciosness. In this process, the perspective is to discuss 'design ethic' which can be seen as the practice field for general ethic issues.
Instructor(s): Instr. Arif Çağlar
Pre-requisite: -
Assesment methods: Paper submission
Recommended readings:
Jardins, Joseph R. des: Çevre Etiği. Ankara. İmge Kitabevi. 2006. (*)
Kılıçbay, Ercüment: Genç Mühendisler ve Çalışma Hayatı. İNTES (Türkiye İnşaat ve Tesisat Mütahitleri İşveren Sendikası) yayın no: 6. Ankara (198?) (*)
Köse, Ahmet Haşim ve Ahmet Öncü (2000): Kapitalizm, İnsanlık ve Mühendislik. Türkiye'de Mühendisler, Mimarlar. TMMOB. Ankara. 2000. (*)
Küreselleşme, Etik Kodlar ve Örgütler. TMMOB Elektrik Mühendisleri Odası. Yeniden Düzenlenmiş İkinci Baskı. Ankara. Mart 2007. (http://www.emo.org.tr/yayinlar/kitap_goster.php?kodu=32)
Sennett, Richard (2002): Karakter aşınması: Yeni Kapitalizmde İşin Kişilik Üzerindeki Etkileri. Ayrıntı Yayınevi. İstanbul. 2002.
Topal, Şeminur: Etik Değerler mi, Yitik Değerler mi?

MIM 571 CINEMA AND SPACE
2hours/week, 2 theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: As an art form setting up and experiencing space the relation of cinema, with architecture and the diversity of the concept of space during the historical development of both disciplines will be examined through selected samples from architecture and cinema. Interactions beween these art disciplines will be traced which are source of inspiration for each other.
• having enough knowledge to participate in intellectual debates about the history of the art form.
• understanding the relationship between plastic arts, architecture and cinema.
• gaining the ability to watch cinema as aware
•in our country where the world and European films showing cinemas decrease in number nowadays, recognize different approaches and taste thorugh the instances of European and world cinema and gaining the ability to watch and discuss
the relationship between cinema, plastic arts and architecture to be examined with the examples of major streams and directors seen in the history of world cinema.
Instructor(s): Assist. Prof. Dr. Gevher Acar

MIM 572 BUILDING INFORMATION MODELLING I
2 Hours/Week,2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: The course aims to teach Building Information Modeling (BIM) and 3D design principles via BIM in project design.
By using BIM, students are expected to do 2D & 3D drawing & design, technique and aesthetic illustration of their buildings, understanding –introducing- presenting the building in a professional way.
Pre-requisite:-
Assesment methods: Term Paper
Recommended Readings:
Başer,Tuğba ; Revit Architecture 2015 Ders Notları
Instructor(s): Assist. Prof.Dr. Eser Yağcı

MIM 573 IN-SITU REINFORCED CONCRETE HIGH-TECH IN-SITU CONSTRUCTION
2 Hours/Week, Theory, 2 Credits, 2 ECTS Credits
Objective / Contents: The aim of the course is to introduce reinforced concrete in-situ construction systems, to compare the system with other construction systems, to make observations in chosen construction sites and consequently enabling familarization with the building sector. The content of the course is the introduction of reinforced concrete in-situ construction systems.
Pre-requisite:-

Assessment Methods: Midterm Grade%60 **(**Exam %40 + Assignment%20) + Final Assignment %40
Recommended Resources:
- Antonio Aguado, Ravindra Gettu, Surendra P. Shah, 1995, Concrete Technology :New Trends, İndustrial Applications, E. & F. N. Spon, London.
- Joseph A. Dobrowolski, 1993, Concrete Construction Handbook, McGraw-Hill, New York.
- Awad S. Hanna, 1999, Concrete Formwork Systems, Marcel. Dekker Inc., New York.
- Catherine Croft, 2005, Concrete Architecture, Laurence King, London

Instructor(s): Asst. Prof. Dr. Berrin Şahin Diri

MİM 574 AN IMAGINARY SPACE FROM MIDDLE AGES TO PRESENT: CASTLES
2 hours/week, 2 theory,2 Credits, 3 ECTS Credits
Objectives/Contents: The aim of this course is to understand the creation and the usage process and also to examine the context of their historical value in the modern era of the castles which are most important living and defense architectural structures of the life in the Middle Ages.
- To be able to compare the technological possibilities of medieval period and contemporary architecture in the concept of sheltering and deffencing.
- To consolidate the theoretical knowledge with field trips.
- Having information about the transformation of living-war spaces by considering the architectural development in the historical process.
- Daily life in the Medieval Age, polity, the effects of feudalism and the architectural schema and functions of castles and chateaux.

Instructor(s): Prof. Dr. Ayla Antel

MIM 575 UNDESIGNED SPACES
2hours/week, 2 theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: The relation of all dimensions of human life with space to be raised and investigation of the possibilities of architecture as an art beyond being a three-dimensional object of beauty.
- Questioning of modern architecture's relationship with the human life
- Architectural aesthetics to be brought up on different levels of its definition.
- The relationship between theory and practice of architecture to be considered

What separates Architectural space, from "wilderness" is in its most general sense, the interactions of human life with the physical environment. If the definition of architectural space found its place in the center of human life ,the not designed spaces, like the ones that are designed could be seen as part of the architectural settlement. The aim of the course, is to consider the analysis of human and spatial relations of not designed architectural spaces through a variety of perspectives .
Instructor(s): Assist. Prof. Dr. Gevher Acar

MIM 576 STRUCTURE AND BUILDING ENVELOPE DESIGN
4 Hours/Week, 2Theory+2 Studio, 3 Credits, 4 ECTS Credits
Objective / Contents: To inform students on structure and building envelopes, to obtain presentations of the projects that they designed, to give various informations recquired for building structure and building envelope design and to help students to reflect their knowlegde into projects.
Pre-requisite:-
Assessment Methods: Exam %40 + Final Assignment Grade %60
Recommended Resources:
- Charleson, A.W., 2005. Structure As Architecture A Source Book for Architects and Structural Engineers, Elsevier, Architectural Press, Oxford.
- Engel, H., 2004. Strüktür Sistemleri, Tasarım Yayın Grubu, İstanbul.
- Brookes, A.J. and Grech, C., 1992. Connections: Studies in Building Assembly, Butterworth-Heinemann Ltd., Oxford.
- Sungur, İ., 2005. Taşıyıcı Sistemler ve Yapı Statiği, Birsen Yayınevi, İstanbul.
- Schittich, C., 2001. Building Skins: Concepts, Layers, Materials, Edition Detail- Institut für internationale Architektur-Dokumentation GmbH, Birkhäuser Publishers for Architecture, Basel.
- Schittich, C., Staib, G., Balkow, D., Schuler, M., Sobek, W., 1998. Glasbau Atlas, Birkhäuser Verlag, Basel.
- Oesterle, E., Lieb, R.D., Lutz, M., Heusler, W., 2001. Double-Skin Facades, Integrated Planning, Prestel Verlag, Munich.
- Nashed, F., 1996. Time-Saver Details for Exterior Wall Design, McGrow-Hill, New York.

Instructor(s): Asst. Prof. Dr. N. Volkan Gür, Asst. Prof.Dr.Mustafa Özgünler, Asst. Prof.Dr.Meltem Şahin

MİM 577 ARCHITECTURAL MEMBRANE STRUCTURES
2 Hours/Week, 2Theory, 2 Credits, 2 ECTS Credits
Objective / Contents: Definition of Architectural Membran Structures Design Principles.
Pre-requisite:-
Assessment Methods: 1 midterm homework + 1 final exam
Recommended Resources: -
Instructor(s): Assist. Prof. Dr. Fevzi Dansık

MIM 578 PRESERVATION AND REGENERATION OF INDUSTRIAL HERITAGE
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits

Objectives/Contents: The aim of the lecture is to define "industrial heritage", set its content and conservation criteria through contemporary conservation theories. Analysing the contemporary conservation policies which play role in their re-use and considering these policies in the light of decisions taken by international institutions are also additional targets of this lecture.
Pre-requisite:-
Assesment methods: Mid-term evaluation grade is determined due to the oral presentations where as final grade is determined due to the text and the mid-term presentation accordance.
Recommended Readings:

· Alfrey, J.; Putnam, T. (1992), The Industrial Heritage Managing Resources and Uses, Routledge , London and New York.
· Marsh, Paul, The Refurbishment of Commercial & Industrial Buildings, Construction Press New York, 1983.
· Munce James F., Industrial Architecture: An Analysis of International Building Practice, F.W. Dodge Corporation, New York, 1960.
· Palmer, M., Neaverson, P. (1998), Industrial Archaeology Principles and Practice, Routledge , London and New York.
· Stratton, M. (ed.)(2000), Industrial Buildings: Conservation and Regeneration, E&FN Spon , London.
· Kıraç, B.(2001)"Türkiye'deki Tarihi Sanayi Yapılarının Günümüz Koşullarına Göre Yeniden Değerlendirilmeleri Konusunda Bir Yöntem Araştırması", Basılmamış Doktora tezi, M.S.Ü..

Instructor(s): Assist. Prof. Dr. Binnur Kıraç

MIM 579 THE STRUCTURAL QUALITIES OF HISTORICAL MASONRY BUILDINGS AND APPROACHES FOR THEIR CONSERVATION
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: The lecture aims to give information about the reasons of the problems concerning historical masonary buildings and their conservation.
Pre-requisite:-
Assesment methods: Mid-term evaluation grade is determined due to the oral presentations where as final grade is determined due to the text and the mid-term presentation accordance.
Recommended Readings:

· CROCI, G., "The Conservation and Structural Restoration of Architectural Heritage", Southampton UK, Boston: Computational Mechanics Publications 2000.
· FEILDEN, B. M., Conservation of Historic Buildings, Oxford: Butterworth-Heinemann, 1997.
· BECKMANN, P, BOWLES R.., Structural Aspects of Building Conservation, Oxford: Elsevier 2004.
· AHUNBAY, Z., 1996, Tarihi Çevre Koruma Ve Restorasyon, İstanbul, Yem Yayınları,

Instructor(s): Assist. Prof. Dr. Mevlüde Kaptı

MIM 580 NEW DESIGN IN HISTORIC URBAN SITES
4 Hours/Week, 2theory+2 Studio, 3 Credits, 4 ECTS Credits
Objectives/Contents: Analysis of characteristics of urban historic sites in order to preserve their identity and determining the principles of design in new developments.
Pre-requisite:-
Assesment methods: The lectures are held with the support of visual documents. The evaluation of the lecture is made through an exam and studio works during the term and through an exam and a final paper presentation at the end of the term.
Recommended Readings:

· Ahunbay, Z., 1996, Tarihi Çevre Koruma Ve Restorasyon, YEM Yayınları, İstanbul.
· Kuban, D., 2000, Tarihi Çevre Korumanın Mimarlık Boyutu". YEM Yayınları, İstanbul.
· Onur, H., 1991, Korunması Gerekli Mimari Anıtlara Ek Yapı Tasarımında İlkeler, MSÜ, Mimarlık Bölümü, Basılmamış Doktora Tezi.
· Erder, C.,1975, Tarihi Çevre Bilinci, ODTÜ Mimarlık Fakültesi Yayını, Ankara.
· Özer, B., 1979, Tarihi ve Geleneksel Mimariyle Yaşamak ve Yeniden İnşa Etmek", Yapı Dergisi, Ocak/Şubat.
· Crammer, J. ve Breitling, S., 2007, Architecture in Existing Fabric, Birkhauser yay., İsviçre.

Instructor(s): Prof. Dr. İlgi Aşkun

MİM 581 EXPERIMENTATION IN ARCHITECTURE: TECHNOLOGY AND MATERIALS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Examination of experimentation in architecture since 1960ies and early 1970ies until today in accordance with theoretical discussions and applications in terms of technology and material; evaluations of its reflections to architectural design and terminology; analysis and discussions of these reflections.
Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm homework, 1 midterm model, 1 final exam.
Recommended Readings:

· Anderson, Stanford. "The Fiction of Function." Assemblage, No.2, February 1987, p. 19-32.
· Banham, Reyner. Theory and Design in the First Machine Age, Cambridge Mass.: The MIT Press, 1983.
· Binazzi, Lapo. "Non-Design." Casabella, 386, 1973, p. 16.
· Branzi, Andrea. "Introduction." In "Radical" Architecture",ed.by Navone,Orlandoni, Casabella Publications,1974, p. 7-15.
· Celant, Germano. "The S-Space Scene." Domus, November, 1971, p. 9-11.
· Cosmorama. "Shelter Suits." Architectural Design, 5, 1970, p. 225.
· Colquhoun, Alan. Essays in Architectural Criticism: Modern Architecture and Historical Change, Cambridge Mass.: The MIT Press, 1981, p. 21-25.
· Cook, Peter. Experimental Architecture. Studio Vista Limited, London, 1970, p. 7.

Instructor(s): Instr. Dr. Bahar Beşlioğlu

MIM 582 CONTRACT TYPES IN CONSTRUCTION PROJECTS
2 Hours/Week, 2 Theory, 2 Credits, 2 ECTS Credits
Objective / Contents: This course serves as an introduction to the principles of strategic procurement in construction.
Pre-requisite:-
Assessment Methods: 1 final exam + 1 midterm paper
Recommended Resources:
· Galıpoğulları, N. İnşaat Yönetimi 2001.
· Keskınel, F. Proje Yönetimi 2000.
· Sunguroğlu, K. Yapı İşletmesi Şantiye Tekniği Maliyet Hesapları 1996.
Instructor(s): Assoc. Prof. Dr. Selin Gündeş

MIM 583 PLACE CONCEPT IN ARCHITECTURAL DESIGN
2 Hours / Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The lecture's aim is to consider "place" concept in architectural design. It is important to understand all environmental components join to architectural design process as contextual correspondence to contribute the holistic approach in design process. The lecture's method will be the approach to different architectural and urban projects either from Turkey or world discussed in a comperative analyzing. Theoretical knowledges will be discussed beside active participation of strudents with their readings and comments.
Prerequisite:-
Assesments Methods: The mid term grade is determined by the reading lists' comments given in the begining of the semestre. The course grade is determined by the evaluation of the mid term grade and the final poster presentations
Recommended Readings:
· Arefi, Mahyar, 1999. "Non-Place And Placelessness As Narratives Of Loss: Rethinking The Notion Of Place", Journal Of Urban Design, Vol.4, No.2, S:179-193.
· Auge, Marc, 1997.(İlk Basımn1992). Yerolmayanlar, Kesit Yayıncılık. (Non-Lieux)
· Aydinli, Semra, . "Mimarlıkta Yeni Bir Kavram Bağlamsal Uygunluk" Yapı Dergisi, Sayı 108, S:45
· Casey,Edward S.,(1997). The Fate Of Place: A Philosophical History, University Of California Press, London, England.
· Frampton, Kenneth, 1992. Modern Architecture; A Critical History, Thames And Hudson Ltd. London.
· Ghırardo, Diane, 1996. Architecture After Modernism, Thames And Hudson, New York.
· Gıedıon, Sigfried, 1966 (İlk Basım 1941). Space, Time And Architecture, Harvard University Press.
· Harvey, David, 1996. Postmodernliğin Durumu, Metis Yayınevi, İstanbul.
· Lefebvre, Henri, 1974. The Production Of Space, Blackwell Publishing, UK.
Instructor(s): Assoc. Prof. Dr. İmre ÖZBEK EREN

MIM 585 SANITARY EQUIPMENT DESIGN IN BUILDING
2 Hours/week, 2 theory, 2 credits, 3 ECTS credits
Objective / Contents: Designing supply and dumping systems relative to water, an indispensable need for human beings, correctly and in accordance with standards; ensuring the integrity of the architectural product with this kind of sub-systems functionally; informing about economical and aesthetical sanitary equipment and equipment design.
Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm exam, 4 midterm homeworks, 1 final homework, 1 final exam.
Recommended Readings:
· Alphan, A., 1985, Yapıda Sağlık Donatımı, İ.T.Ü. Matbaası, İstanbul.
· Anon, Binalarda Temiz Su Tesis Kuralları, Türk Standartları Enstitüsü, TS 828.
· Isısan, Mimarın Tesisat El Kitabı Cilt 1-2, Temmuz 2008, İstanbul.
· Isısan, Sıhhi Tesisat, 2008, İstanbul.
· Current regulations and standards relating to the subject.
Instructor(s): Assoc. Prof. Dr. Mustafa Özgünler

MIM 586 ELECTIVE DETAILING
2+2 Hours/Week, 2 Theory+ 2 Studio, 3 Credits, 4 ECTS Credits
Objective / Contents: Analyzing detailing problems in present buildings, creating and suggesting new alternatives for solution.
Pre-requisite: MIM 312
Assessment Methods: Midterm Grade %50 (Practice %50+ Project %50)+ Final Grade %50 (Exam %50+ Assignment %50)
Recommended Resources:
· İzgi, U.,1983, Pencereler II, DGSA Yayını No:43, İstanbul,
· Binan, M., 1995, Ahşap Kapılar ve Metal Tamamlayıcı Elemanlar, YEM Yayını, İstanbul,
· Binan, M., 1998, Ahşap Pencereler, Birsen Yayınevi, İstanbul,
· Ching, F., 2006, Çizimlerle Bina Yapım Rehberi, YEM Yayını, İstanbul,
· Türkçü, Ç., 1997, Yapım-İlkeler-Malzemeler-Çözümler, Birsen Yayınevi Yayını, İstanbul,
· Yücesoy, L., 2004, Temeller, Duvarlar, Döşemeler , YEM Yayını, İstanbul,
· Demiraslan, Ü.,1999, İnce Yapı, Kocaeli Üniversitesi Güzel Sanatlar Fakültesi Yayınları, no:10/1, Kocaeli.
· Eldem, S.H., 1976, Yapı, DGSA Yayın

Instructor(s):): Assoc. Prof. Dr.. İlkay Koman

MIM 587 ARCHITECTURAL LIGHTING
2 Hours / Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: This course aims to convey information to the students about the level that the lighting methods in architecture have reached today, lighting techniques and forms of lighting usage in architecture. Lighting related color, shadow, aesthetics, comfort, and technology are the focus of this course.
Prerequisite: -
Assessment methods: 40% midterm + 60% final submission
Recommended Readings:
Baker, N., Steemers K.,"Daylight Design of Buildings" James&James, 2002.
Boubekri, M., "Daylighting Architecture and Health", Architectural Press, 2008.
Baker, N., Steemers K. "Energy and Environment in Architecture" , E&FN Spon, 2000.
Sirel, Ş., Aydınlatma Sözlüğü, Yem Yayınları, 1997.
Sirel, Ş., Aydınlatmada Enerji Kaybı, YFU Yayınları, No:3, 1991.
Steffy, G.R., Architectural Lighting Design, Van Nostrand Reinhold, New York, 1990.
Özkaya, M., Aydınlatma Tekniği, Birsen Yayınevi, İstanbul, 2004.
Gordon, G., Interior Lighting Design Basics, John Wilewy&Sons, New Jersey, 2003.
Fitöz, İ., Mekan Tasarımında Belirleyici Bir Etken Olarak Yapay Işık için Aydınlatma Tasarımı Modeli, MSGSÜ, Fen Bilimleri Enstitüsü, Doktora Tezi, 2002.
Teaching Staff: Assoc. Prof. Dr. İpek Fitoz

MIM 588 ARCHITECTURE AS OBJECT OF KNOWLEDGE
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: To gain theoretical approaches to discipline of the architecture through the concepts of linguistics and epistemology

- Developing the conceptual memory
- To grasp the interdisciplinary relationships.
- Understanding the historical changes in the holistical vision.
- Comprehensive perspective with the samples from the disciplines as history of art or history of architecture.The process of the production of architectural knowledge from the traditional world to today's postmodern world. Determination of the structural properties of the pre-modern world at the production of knowledge. Modernization process and the conversions at the knowledge production.

Instructor(s): Instr. Aykut Köksal

MIM 589 USING AUTOCLAVED AERATED CONCRETE (AAC) IN BUILDING DESIGN AND CONSTRUCTION
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: Teaching using aerated concrete for earthquake resistant, comfortable, energy efficient, economic, ecologic building design and application.
Teaching production technologies, application techniques, surface processing, earthquake resistance, energy performance, thermal and acoustic performance of aerated concrete.
Pre-requisite: Building Construction Material
Assesment methods: Midterm Exam + Term Project
Recommended Readings: Ytong Hand Manual, Related Regulation Hadbooks (Handbook for building construction in disaster areas, Building Energy Performance Regulation, Fire Prevention Regulatin, DIN etc.)
Instructor(s): Instr. Gökben Güven Özçiçek

MIM 640 DEVELOPMENTS IN SCIENCE PHILOSOPHY
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: Students thought of western civilization, the development of science in terms of the basic information given. Ensuring the habit of discussion within the context of science.
During the course information regarding the basis of the philosophy of science and the conditions of its development will be transferred to students and the meanings that the idea of science received over the various processes will be compared.
Instructor(s): Instr. Ali Mehmet Timuçin

MIM 641 CONCRETE PREFABRICATION
2hours/week, 2 theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: The purpose of the course is to teaching concrete base prefabrication construction systems.

- Teaching the idea of prefabrication
- Introducing concrete prefabricate construction elements
- Understanding assembly process of concrete prefabrication
- Introducing modular coordination and modular construction idea

Pre-requisite:-
Assessment method: 50% midterm +50% final presentation
Recommended readings:
Warszawski, A. (1999), Industrialized and Automated Building Systems, E&FN Spoon, Londra, s.63-65.

Nissen, H. (1972), Industrialized Building and Modular Design, Cement and ConcreteAssociation, London, s.28-44.
Mert, İ., (2002), "Prefabricated Modules In Construction", The 3rd International Conference On Decision Making In Urban And Civil Engineering London - November 2002.
Mert, İ., (2002), "Suitability Of Prefabrication To The New Building Industry Demands Of 21st Century", The 3rd International Conference On Decision Making In Urban And Civil Engineering London - November 2002.
Mert, İ., (1998), "Bir Toplu Konut Mekanosuna Uyarlaanabilen Cephe Panellerinin İncelenmesi", Türkiye Prefabrik Birliği, 2000'e Doğru Prefabrikasyonda Yeni Perspektifler Ve Uygulamalar Sempozyumu, Tüyap Fuar Ve Kongre Merkezi, Beylikdüzü, İstanbul.
Instructor(s):): Assoc. Prof. Dr. İlkay Koman

MIM 651 HIGH-RISE BUILDINGS
2 Hrs\week, 2Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: To analyze the factors affecting the design and construction of high-rise buildings in a systematical way. The designers of the future have to maintain information about the recent trends and developments of designing and construction technologies of tall buildings. This course tends to give information for the students about the factors guiding the design of tall buildings as well as a number of case studies.
Pre-requisite:-
Assessment methods: 1 Midterm exam, 1 Final Exam
Recommended Readings:
· Özgen, A., Sev, A.,(2000), Çok Katlı Yüksek Yapılarda Taşıyıcı Sistemler, Birsen Yayınevi
· Ali, M.M., Armstrong, P.J., (1995), Architecture of Tall Buildings, CTBUH, McGraw Hill Inc., New York
· Sev, A., Türkiye'de ve Dünyadaki Yüksek Yapıların Mimari ve Taşıyıcı Sistem Açısından Analizi, Doktora Tezi, MSÜ Fen Bilimleri Entitüsü, 2001
· Zacnik, I., 100 of the World's Tallest Buildings, CTBUH, Images Publishing, 1997
· Howeler, E., Skyscrapers: Vertical Now, Universe Books, 2004
Teaching Staff: Prof. Aydan ÖZGEN, Prof. Dr. Ayşin SEV

MIM 652 ADVANCED TIMBER CONSTRUCTION
2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: To give information on detailing and application principles and basic concepts of high-tech timber construction systems.
Pre-requisite:-
Assessment methods: Midterm %50, Final %50
Recommended Readings:
· Holz im Bau
· Der Zimmerpolier
· Skeletbau
· Fachwerkbau
· Ahşap Yapı Elemanları
· Erenman, Ö., Ahşap Yapı Sistemleri, MSÜ Yayını, No:6, 1992
Teaching Staff: Assist. Prof. Dr. Suat Çakır

MIM 654 EARTHQUAKE RESISTANT STRUCTURAL DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 2 ECTS Credits
Objective / Contents: Definition of Earthquake Resistant Structural Design Principles.
Pre-requisite:-
Assessment Methods: 1 midterm homework + 1 final exam
Recommended Resources: -
Instructor(s): Assist. Prof. Dr. Meltem Şahin

MIM 655 TIMBER STRUCTURES
2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: Introduction to the definition and design of the wooden structures.
Pre-requisite: MIM 304
Assessment methods: mid term %40 final %60
Recommended Readings:
· Duman Niyazi, Ökten Sadettin, Ahşap Yapı Dersleri
· Odabaşı, Yalman, Ahşap ve Çelik Yapılar
Teaching Staff: Assist. Prof. Dr. Fevzi Dansık

MIM 656 HEAT, HUMIDITY AND WATER PROBLEMS IN BUILDING
2 Hours/week, 2 theory, 2 credits, 3 ECTS credits
Objective / Contents: Evaluation of the building physics problems in terms of heat, water, and humidity; informing students about damages originating from heat and water in materials, diagnosis and treatment (protection) methods and solution proposals intended for providing comfort conditions in buildings; gaining information and experience about finding solutions and solving details when faced with problems unforeseen in construction, engineering and building envelope design phases and in applications.

Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm exam, 1 final homework.
Recommended Readings:
· Cathcart, T., Melby, P., "Regenerative Design Techniques", John Wiley & Sons, 2002.
· Eriç, M., "Yapı Fiziği ve Malzemesi", Literatür Yayınları, 2002.
· Hetreedi, J., "The Damp House", The Crowood Press, 2008.
· Oliver, A., "Dampness in Buildings", Blackwell Publishing, 2004.
· Richardson, B.A., "Defects and Deterioration in Buildings" Spon Press, 2001.
· Toydemir, N., Gürdal, E., Tanaçan, L., "Yapı Elemanı Tasarımında Malzeme", Literatür Yayınları, 2004.
Instructor(s): Assoc. Prof. Dr. Nazire Papatya Seçkin

MIM 657 FIRE PROTECTION IN BUILDING CONSTRUCTION
2 Hrs\week,2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: The aim of the course is to help the student calculate the fire load in constructions, heat transfer and fire related construction behaviors, active and passive precautions against fire.
Pre-requisite: -
Assessment methods: Midterm exam, Final Exam
Teaching Staff: Assist. Prof. Dr. Cüneyt Diri

MIM 658 SOLAR AND ATMOSPHERIC EFFECTS IN BUILDING CONSTRUCTION
2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: The aim of the course is to help the student examine the negative effects of the sun on construction covers, fixing the effects of radiation destruction and atmosphere pollution, introduction to the benefits of solar energy.
Pre-requisite: -
Assessment methods: Midterm exam, Final Exam
Teaching Staff: : Assist. Prof. Dr. Cüneyt Diri

MIM 659 FLEXIBILITY IN ARCHITECTURE
2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: Changeability is a commonly used term in architecture in recent years. Due to the rapidly increasing population and the development of society, new architectural requirements occur. According to these conditions, mankind faces vital environmental problems. Hence, changeability is a term that will be used more frequently in the near future. While the physical lifetime of a building is longer than its functional lifetime, maximization of this subjective period and improving its conditions becomes an important economical and ecological approach. As an accelerating factor for the solution of spatial problems, changeability also encourages the efforts for the conservation of the cityscape as well as cultural heritage.
Pre-requisite: -
Assessment methods: written exam or homework
Recommended Readings:
· Gök, Nihat, Mimari Tasarımda Bir Faktör Olarak Değişebilirlik, M.S.Ü. Doktora Tezi, İstanbul, 1992
· Merlin, Pierre, La Famille éclate, le logement s'adapte , Syros, Alternatives, Paris, 1990,
· Yürekli Ferhan, Mimari Tasarımda Belirsizlik: Esneklik, Uyabilirlik İhtiyacının Kaynakları ve Çözümü İçin Bir Araştırma, İTÜ Mim Fak., İstanbul, 1983
· Rinnebach, H.Ralf, Raumelemente Zum Wohnen, Verlagsanstalt Alexander Koch GmBh, Stutgart,1976
· Kızıl, Fehmi, Toplumsal Geleneklerin Konut İçi Mekan Tasarlamasına Etkisi ve Toplumsal Geleneklerimizi Daha İyi Karşılayacak Konut İçi Fiziksel Çevre Koşullarının Belirlenmesi, İDGSA Doktora Tezi, İstanbul, 1978
Teaching Staff: Assist. Prof. Dr. Kaya Sönmezler

MIM 660 THE CONCEPT OF 'SPACE' AND DESIGN PRINCIPLES IN ARCHITECTURE
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: This course provides a conceptual framework for the students to evaluate several approaches about the concept of 'space' in architecture and design criteria.
Pre-requisite:-
Recommended Readings:
· Francis D.K. Ching, Mimarlık, Biçim, Mekan ve Düzen
· S.E. Rasmussen, Yaşanan Mimari
· B. Zevi, Mimariyi Görmeyi Öğrenmek
· B. Özer, Yorumlar. Resim, Heykel, Mimarlık
· Le Corbusier, Bir Mimarlığa Doğru
· R. Venturi, Mimarlıkta Karmaşıklık ve Çelişki
· A. Colquhoun, Mimari Eleştri Yazıları
Instructor(s): Prof. Dr. KayahanTürkantoz

MIM 661 PARTICIPATORY MODELS IN ARCHITECTURAL DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Demonstrating the effective role of participation of the last user in the architectural design process via global case studies.

Pre-requisite:-
Assesments Methods: Oral research presentation, final research presentation
Recommended Readings:
· İncedayı, D., Mimari Tasarım Sürecine Katılımcı Yaklaşım, MSÜ Yayınları, 2002
· Habrakeu, J., The Structure of the Ordinary, Teicher J. (edç), USA, 1998
· Hill J., Occupying Architecture Between the Architect and the User, Routledges, London
· Mikellides, B., Architecture for People, Studio Visto, London
Instructor(s): Prof. Dr. Deniz İncedayı

MIM 662 IDENTITY ISSUES IN ARCHITECTURE
2 Hours / Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The aim of this unit is to describe and discuss the issues of identity, and its various expressions in built environment. It is planned to give students an ideological point of view of the architectural and urban forms and thus to understand the historical background of social , economical and cultural aspects. The students are expected to gain a critical perspective through the debates and evaluation of the issue.
Pre-requisite:-
Assessment Methods: Oral research presentation, final research presentation
Recommended Readings:
· ANDERSON, Benedict, Hayali Cemaatler, Çev. İskender Savaşır, Metis Yayınları, Üçüncü Basım, İlk Basım 1993, İstanbul, 2004.
· ARDAMAN, Emel, 'Perspective and Istanbul, the Capital of Ottoman Empire', Journal of Design History, OUP, İngiltere, Temmuz 2007
· BENEVOLO, Leonardo, Modern Mimarlığın Tarihi, Birinci Cilt: Sanayi Devrimi, Çev. Atilla Tokatlı, Çevre Yayınları, İstanbul, 1981.
· BERMAN, Marshall, Katı Olan Her Şey Buharlaşıyor, Modernite Deneyimi, Çev. Ümit Altuğ – Bülent Peker, İletişim Yayınları, 1999, Beşinci Baskı, Birinci Baskı İstanbul, 2002.
· BOZDOGAN, Sibel, Modernizm ve Ulusun İnşası, Erken Cumhuriyet Türkiyesi'nde Mimari Kültür, Çev. Tuncay Birkan, Metis Yayınları, İstanbul, 2002.
· ÇELİK, Zeynep, 19. Yüzyılda Osmanlı Başkenti, Değişen İstanbul, Türkiye Ekonomik ve Toplumsal Tarih Vakfı, İstanbul, Şubat 1996.
· ÇELİK, Zeynep, Şarkın Sergilenişi, Tarih Vakfı Yurt Yayınları, İstanbul, 2005.
· MARDİN, Şerif, İdeoloji, İletişim Yayınları, 2. Baskı, İstanbul, 1993.
Instructor(s): Assoc. Prof. Dr. Emel Ardaman

MIM 663 ENERGY EFFICIENT DESIGN
2 Hours / Week,2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: Analyzing cases in and out of Turkey on a comperative basis; so as to provide the students with the significance of the "energy problem" and make the issue a part of the design solution
Pre-requisite:-
Assessment Methods: Research Homework
Recommended Readings:
· Bovill, C.,Architectural Design, Integration of Structural and Environmental Systems, Van N. Reinhold, NY,1991
· Burberry, P., Building for Energy Conservation , Architectural Press Ltd, London, 1978
· Herzog, T., Solar Energy in Architecture,Urban Planning, Prestel, Munich,1996
· Olgyay, V., Design With Climate, Van N. Reinhold, NY,1992
· Yeang Ken, Bioclimatic Skyscapers, Artemis, London,1994
· Konu ile ilgili ulusal ve uluslar arası standart belgeleri
Instructor(s): Assoc. Prof. Dr. Ahmet Tercan

MIM 665 TRACES OF PRIMITIVE CULTURES AND TRADITION ON MODERN ART AND ARCHITECTURE
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The aim of this lecture is to establish the relation between primitive, traditional and modern art and architecture using the concepts as culture, history, tradition
and continuity and to compare the old with the new with the help of examples from different regions and cultures.
Pre-requisite:MIM 213
Assessment Methods: Midterm %50, final %50
Recommended Readings:
· Joseph Campbell, İlkel Mitoloji Tanrının Maskeleri, İmge Kitabevi, Ankara 1992
· Clifford Geertz, Yerel Bilgi, Dost Kitabevi, Ankara 2007
· Jack D. Forbes, Kolomb ve Diğer Yamyamlar, İstanbul 2009
· Franz Boas, Primitive Art, Dover Publications,1955
· Bülent Özer, Kültür Sanat ve Mimarlık, İstanbul 2000
· Semra Germaner, 1960 Sonrası Sanat, Kabalcı Yayınevi 1997
· John Berger, Görme Biçimleri, Metis Yayınları, İstanbul 1988
· Wilhelm Worringer, Soyutlama ve Özdeşleyim, Remzi Kitabevi, İstanbul 1985
· Edward Lucie-Smith, Visual Arts in the 20. Century, London
Instructor(s): Assist. Prof. Dr. Gevher Acar

MIM 666 BUILDING ELEMENT DESIGN
2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: Most building failures were the result of the "unknown interactions between the known elements". This phenomena must be taken into consideration in building and element design process. To form successful building, the principles of building element design should be applied to relevant elements and also building elements should be integrated according to the systems basis. This lecture gives information about principles of element design, building systems integration, evaluation and decision making in building design.
Pre-requisite:-
Assessment methods: homework, midterm and final exam
Recommended Readings:
· Bachman, L. R., 2002, "Integrated Buildings: The Systems Basis of Architecture", John Wiley & Sons
· Kind-Barkauskas, F., 2002, "Concrete Construction Manual", Birkhaeuser
· Olin, H., 1995, "Construction, Principles, Materials, and Methods", Van Nostrand Reinhold
· Pfeifer, G., 2001, "Masonry Construction Manual", Birkhaeuser
· Rich, P., Dean, Y., 1999, "Principles of Building Element Design", Arch. Press
· Schulitz, H. C., 2000, "Steel Construction Manual", Birkhaeuser
Teaching Staff: Assist. Prof. Dr. Ömer Ş. Deniz

MIM 667 THE PRINCIPLES AND METHODS OF CONTEMPORARY DESIGN IN HISTORICAL URBAN CONTEXT
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: This course provides a conceptual framework for the students to evaluate several approaches about the principles and methods of contemporary design in historical urban context.
Pre-requisite:-
Assessment Methods: 1 Midterm exam, 1 Final exam.
Recommended Readings:
· D. Kuban, Tarihi Çevre Korumanın Mimarlık Boyutu: Kuram ve Uygulama
· C. Erder, Tarihi Çevre Bilinci
Instructor(s): Prof. Dr. Kayahan Türkantoz

MIM 668 THE DESIGN PRINCIPLES AND METHODS FOR THE ACCOMODATION SPACES
2 Hrs\Week, Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: The Brief History of Accomodation Spaces, Guestroom Design, Public Space Design, Design of Guestroom Floor and Service Areas, Hotel Types
Pre-requisite: -
Assessment methods: Term Paper
Recommended Readings:
· Bülent KUMRAL; Turizm yapıları : tatil ve turizm tesisleri, kent otelleri, ulaşım tesisleri, bir görüş
· F. Müge İLDENIZ; Otellerin genel iç mekanlarının tasarlama ilkeleri
· Albrecht BAUGERT – Otto RIEWOLDT; New Hotel Design
· Anne M. SCHMID; International hotels redesign
· Walter A. RUTES, Richard H. PENNER, and Lawrence ADAMS; Hotel design, planning, and development
Teaching Staff: Assist. Prof. Dr. M. Kerem Özel

MIM 669 THE COMPARISON OF ARCHITECTURE WITH THE ARTS OF PAINTING, SCULPTURE AND MUSIC
2 Hrs\week,2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: This cours aims to evaluate an intellectual interdisciplinary niveau for students in which they may be able to compare architecture to painting, sculpture and music.
Pre-requisite: -
Assesment methods: Homework presentation
Recommended Readings:
· Edward Lucie-Smith, Visual Arts in the 20. Century, London.
· The Story of Painting from the Renaissance to the present, , K .Oneman , London
· 1960 Sonrası Sanat , S. Gemrener , Kabalcı Yayınevi, 1997.
· Empowered Gardens, Architects and Designers at Home, C. Soucek King, P.C.International , New York
· The Story of Philosophy, from Antiquity to the Present, C. Delius, M. Gatzemeier, D.Sertcan, K. Wünscher,Köln 2000
Teaching Staff: Assist. Prof. Dr. Elvan Erkmen

MIM 670 ARCHITECTURAL THEORY IN HISTORY
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The aim of this course is to examine the architectural theory produced in history and affected the evolution of architecture and to determine their relationship with the architectural practice of their time.
Pre-requisite:MIM 213
Assessment Methods: Midterm %30, final %70
Recommended Readings:
· Jan Gympel, The Story of Architecture from Antiquity to the Present, Könemann, 1996

· Architectural Theory from the Renaissance to the Present, Taschen 2006
· Mark Gelernter, Sources of Architectural Form, 1995
Instructor(s): Assoc. Prof. Dr. Ebru Özeke Tökmeci

MIM 671 SUSTAINABLE BUILDING TECHNOLOGIES
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The course tends to inform the students about the adverse effects of the construction industry and buildings, and improve their consciousness about sustainable construction principles. The building environmental assessment systems, which are gaining momentum throughout the world, such as LEED, BREEAM, CASBEE, Green Star and CEEQUAL, are also included in the lectures.
Pre-requisite:-
Assessment Methods: Midterm Grade %50 (Exam %50 + Assignment%50) + Final Assignment Grade %50
Recommended Readings:
· Sev, A., (2009). Sürdürülebilir Mimarlık, YEM Yayın, İstanbul.
· Gissen, D., (2002). Big & Green: Towards Sustainable Architecture in the 21st Century, Princeton Architectural Press, New York.
· Yeang, K. (2008). Ecodesign: A manual for Ecological Design, Wiley, New York.
· Jones, D. L., (1998). Architecture and the Environment: Bioclimatic Building Design, Laurence King Publishing, London.
· Recent scientific articles, from international periodicals
Instructor(s): Prof. Dr. Ayşin Sev

MIM 672 SPACE AND HUMAN PSYCHOLOGY
2 Hrs/week, 2Theory, 2 Credits, 3 ECTS Credits.
Objective/Contents: The description and production of the living spaces by human beings is aa act accompanied by personal and communal processes. This course will cover the relatioship between man and environment and the psychologic, social and cultural processes it reflects on, .starting from the biologic level
Pre-requisite: -
Assessment methods:
Recommended Readings:
Teaching Staff: Dr. M. Kemal Kuşcu

MIM 674 HIGH RISE BUILDING PROJECT
4Hours/Week, 2 Theory+2 Studio, 3 Credits, 4 ECTS Credits
Objective / Contents: Intoducing the concept of tall builidngs, and giving information about the architectural design principles and construction problems of tall buildings. Lectures are conducted in two parts as theoretical and practice. Initially in the theoretical part, information about the subject is provided. Following the theoretical part, practical studies related with the subjects are conducted in the lecture rooms. In addition to this, students work on a tall building project proposal and present it as a term assignment at the end of the semester.
Pre-requisite: MIM 606
Assessment Methods: Midterm Grade%30 **(**Presentation%20+ Assignment%25+Project %50) + Final Grade %70 (Assignment%30 + Project %70)
Recommended Readings:
· Özgen, A., Sev, A., 2000. Çok Katlı Yüksek Yapılarda Taşıyıcı Sistemler, Birsen Yayınevi, İstanbul.
Instructor(s): Prof. Dr. Ayşin Sev

MIM 676 TIMBER BUILDING PROJECT
4Hours/Week, 2 Theory, 2 application, 3 Credits, 4 ECTS Credits
Objective / Contents: To introduce timber construction systems, to help students gain the ability to choose the appropriate system in the design process, to produce projects related to traditional and modern timber structures. On the first four weeks, theoretical information is presented to the students, following weeks the course will continue as a studio work. An individual project will be submitted by each student, consisting of 1/1000, 1/500 site plans, 1/100 floor plans, sections and elevations. Detailing will be recquired up to 1/20 scale. At the end of the term, each student will perform a presentation of his/her project, in front of a jury and a report of the project will also be submitted.
Pre-requisite:-
Assessment Methods: Exam %30 + Project %70
Recommended Readings:-
Instructor(s): Asst. Prof. Dr. Suat Çakır

MIM 677 MUSIC AND SPACE
2 Hours/Week, 2 Theory, 2 Credit, 3 ECTS Credits
Objective / Contents: To show the main design principles of spaces related to music by the means of illustrating existing musical spaces and to indicating the relationship between music and architecture.
Pre-requisite:-
Assessment Methods: %30 of assignment, %70 of final exam
Recommended Readings:
· Ahmet Say, Müzik Tarihi, Ankara Müzik Ansiklopedisi Yayınları

· Mehmet Kaygısız, Müzik Tarihi Başlangıcından Günümüze Müziğin Evrimi, Kaynak Yayınları Sanat ve Edebiyat Dizisi
· Ernst Neufert, Yapı Tasarımı, Beta Basım Dağıtım
· Steen Eiler Rasmussen, Yaşanan Mimari
· Ralph Larmann, Stage Design
Instructor(s): Prof. Dr. Aylâ Antel

MIM 679 SPATIAL PROJECT
4 Hours/Week, Theory+Studio, 3 Credits, 3 ECTS Credits
Objective / Contents: The aim of the studio is focusing on the interior space concept working on a Project beginning with the physical context analysis of the place, the constitution of physical and psychological elements forming it and the study and design of all the finishing properties enhancing the interior space.
Pre-requisite:-
Assessment Methods: Midterm Project presentation, final project presentation
Recommended Readings:
· Lynch, Kevin, "The Image of the City",
· Alexander, Christopher, "Notes on the Synthesis of form,"A Pattern Language",
· Norberg, Schulz Christian, "Existence Space and Architecture"
· Zevi, Bruno, "Mimarlığı Görmeyi Öğrenmek",
· Rowe, Colin, "The Mathematics of the Ideal Villa, and Other Essays",
Instructor(s):): Assoc. Prof. Dr. Figen Kafescioğlu, Assoc. Prof. Dr. Derin Öncel, Assist. Prof. Ece Postalcı Altınkaya, Assist. Prof. Dr. Tolga Sayın

MIM 680 ELECTIVE APPLICATION PROJECT
5 Hours / Week, 3 Theory, 2 Studio, 4 Credits, 5ECTS Credits
Objective / Contents: The aim is to prepare an application project, synthesizing building materials, construction details, structure analysis in international standarts (ASA, DIN, Eurocode 5, etc…). In that context, it is aimed to interpret the relation between sustainable building and the project, with ecological building certifications (LEED, Bream) and evaluating this information.
Prerequisite: MIM315
Assesments Methods: Studio work / presentation / project submission
Recommended Readings:
· Malzeme, Strüktür ve Detay Çözümü içerikli periyodikler (Detail, Bauwelt, Techniques at Architecture, The Plan, vb.)
· Graphic Standart Kataloğu
· Şahinler, O., Kızıl, F., Mimarlıkta Teknik Resim, YEM Yayınları, İstanbul, 2002
· Architectural Working Details
· Heinz G.K., Hoer D., Möhver K., Natterer J., Timber Design & Construction Source Book.
· Laseau, P., Graphic Thinking For Architects And Designers, 2nd Edition, Thompse Publishing, 1989
· Ching, F.D.K., Mimarlık ve Sanatta Yaratıcı Bir Süreç, Yapı Endüstri Merkezi Yayınları, 2003
· Rowe, G.P., Design Thinking, MIT Press, Cambridge
· UP 1948-2008 Uygulama Projesi Atölyesi Kayıt Defteri, Yay. Haz: Prof. Orhan Şahinler, Prof. Dr. Nesrin Dengiz, Mimar Sinan Güzel Sanatlar Üniversitesi, 2011
Instructor(s): Assoc. Prof. Dr. Ahmet Tercan, Instr. N. Erdal Özyurt, Instr. Aslı Ağırbaş

MIM 681 COMPOSITE BUILDING MATERIALS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Introduction of composite materials (concrete, mortar, plaster, special concrete, fiber-reinforced material, artificial wood, etc.) which are formed by two or more different kinds of materials coming together with the developing technology of the industrialized age and which aim at solving the structural design and building physics problems; informing about properties, technologies and productions, usage areas and types in buildings, applications and standards of composite materials.
Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm exam, 1 final homework.
Recommended Readings:
· Eriç, M., "Yapı Fiziği ve Malzemesi, II. Baskı", Literatür Yayıncılık, İstanbul, 2002.
· Ersoy, H.Y., "Kompozit Malzeme", Literatür Yayıncılık, İstanbul, 2001
· Postacıoğlu, B., "Yapı Malzemesi Dersleri; Bağlayıcı Maddeler, Agregalar, Beton", TC İstanbul Teknik Üniversitesi Kütüphanesi, Sayı: 1011, İTÜ Matbaası, Gümüşsuyu, 1975.
· Artel, T., Dibağ, G., "Yapı Malzemesi", Osman Yalçın Matbaası, İstanbul, DGSA, 1969.
· Akman, M. S., "Yapı Malzemeleri", TC İstanbul Teknik Üniversitesi Kütüphanesi, Sayı: 1408, İTÜ İnş. Fakültesi Matbaası, İstanbul, 1990.
· Kocataşkın, F., "Çimento ve Özellikleri Hakkında Ne Biliyorsunuz?", TC İstanbul Teknik Üniversitesi Kütüphanesi, Sayı: 627, İTÜ Matbaası, Gümüşsuyu, 1965.
· Kelly,A., "Composite Materials: An overwiew", Concise Encyclopedia of Building and Construction Materials, Editor: F. Moavenzadeh, Pergamon Press and The MIT Press, UK 1990.
· Balaguru, Perumalsamy N., "Fiber-reinforced cement composites" New York: McGraw-Hill, 1992.
· Brandt, Andrzej Marek, "Cement-based composites: materials, mechanical properties and performance", E&FN Spon, 1995.
Instructor(s): Instr. C. Zeynep Oğuz

MIM 682 HOUSING DESIGN AFTER MODERNIZATION
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Main aim of the course is to define the heritage of housing and habitation culture after modernization process as well as to find out several criteria to guide contemporary housing design. Industrial Revolution and modernization process had a deep impact on habitation culture. As a consequence of massive demand, housing became one of the major subjects of researches in architecture. During the course the main emphasis will be on the production of housing during 20th century. Researches and discussions will be on particular features of housing architecture. Experience in 19th and 20th century is considered to be the major source.
The course has two parts. First part is based on lectures given according to topics via visual materials and discussions on those topics. Second part contains students' presentations about their researches.
Pre-requisite:-
Assessment Methods: Students will present their researches related with the topic of the course in midterm. According to critics after midterm presentations, a final document as both hardcopy and softcopy will be submitted at the end of term. Final grade will be average of midterm presentation and final submission.
Recommended Readings:
· Berman, M. (1999), Katı Olan Her Şey Buharlaşıyor, Çev: Ü. Altuğ, B. Peker, İletişim Yayınları, İstanbul.
· Gausa, M. (1998), Housing: New Alternatives, New Systems, Actar Publishers, Barcelona.
· Gıddens, A. (1998), Modernliğin Sonuçları, Çev: E. Kuşdil, Ayrıntı Yayınları, İstanbul.
· Rowe, P.G. (1995), Modernity And Housing, Mıt Press, Massachusetts.
· Tafurı, M. (1996), Architecture And Utopia: Design And Capitalist Development, Mıt Press, Massachusetts.
Instructor(s): Assist.Prof.Dr. Özgür BİNGÖL

MIM 683 FIRE IN BUILDING PHYSICS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Emphasizing the importance of the fire safety concept in general architecture phenomenon; analysis of fire threat on buildings and explanation of the main objectives of fire control; using the correct interpretations of national and international regulations which should be obeyed about fire protection in architectural projects.
Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm exam, 1 midterm presentation, 1 final homework, 1 final exam.
Recommended Readings:
· Özgünler, M., 1994. Pasif yangın güvenlik önlemlerinde etkili olan tasarım değişkenleri ve ilgili mevzuatın irdelenmesi Yüksek Lisans Tezi, İ.T.Ü. Fen Bilimleri Enstitüsü, İstanbul.
· Sunar, Ş., Yangından Korunma ve Bina Yangın Güvenliği İlkeler Çelişkiler Gerçekler, İ.T.Ü. Matbaası, İstanbul,1981.
· Anonim, Binaların Yangından Korunması Hakkında Yönetmelik, 2009.
· Anonim, NFPA101 Life Safety Code, NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471 An International Codes and Standards Organization 2006.
· Anonim, NFPA1 Uniform Fire Code, NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471 An International Codes and Standards Organization 2006.
Instructor(s): Assoc. Prof. Dr. Mustafa Özgünler

MİM 684 HISTORY OF THOUGHT: FROM THE ENLIGHTENMENT TO THE PRESENT
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: Teaching students the development of Western Civilization and encouraging student discussing about it.
- teaching basic knowledge about the history of thought
- being able to discuss about the relationship between the history of thought and the main breaking points in the history of civilization

Pre-requisite: -
Assessment methods: 60% assignment+40%presentation
Recommended readings:
- Copleston Fredrick, A History of Philosophy-1-9 1.b., England, Burns&Oates, 1999.
- Durkheim, Sociologie et philosophie, P:U:F:, Paris 1951.
- Gökberk Macit, Felsefe Tarihi, 2b., Ankara, Bilgi Yayınevi, .,Ankara, 1967.
- Hegel, G.W.F., La Phenomenologie de l'esprit 1-2, Aubier, Paris, 1941.
- Kant Immanuel, Critique of Pure Reason, Cambridge University Pres, United Kingdom, 2000.
- Nietzsche Friedrich, Böyle Buyurdu Zerdüşt,Çev: A. Turan Oflazoğlu, Cem Yayınevi, İstanbul, Eylül 2002.
- Ed. Paul Guyer, The Cambridge Companion to Kant, Cambridge University Pres, United Kingdom, 1999.
- Timuçin Afşar, Düşünce Tarih,i Bulut Yayınları, İstanbul, 2008.
- Timuçin Afşar, Gençler İçin Felsefe, Bulut Yayınları, İstanbul, Şubat 2011

Instructor(s): Instr. Ali Mehmet Timuçin

MIM 685 COLOUR PERCEPTION IN BUILDING AND MATERIALS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Informing about basic properties of colour; explanation of psychological perception of colour, effects of architectural function on colour use and the importance of colour selection in perception of material and space; gaining skills for

creating architectural designs meeting both aesthetical and technical requirements; emphasizing the affective role of colour in the design phase and in contemporary architecture.
Prerequisite: -
Assesments Methods: Theoretical lectures and 4 midterm homeworks, 2 midterm presentation, 1 final exam.
Recommended Readings:
· Aksoy E. Mimarlıkta Tasarım Bilgisi, Hatipoğlu Yayınları, Ankara, 1987.
· Arnold W. Farbgestaltung VEB. Verlang für Bavwesen, Berlin, 1990.
· Banks A. and Fraser T., The Complete Guide To Color, The Ilex Press Ltd., U.K, 2004.
· Birren F., Light Color And Enviroment, Schiffer Publuishing Ltd., Pennsylvania, 1988.
· Ching Francis D. K., Mimarlık, Biçim, Mekan Ve Düzen, Yem Yayınları, İstanbul, 1992.
· Coşkuner S., Renkler Ve Kişiliğimiz, Site Ofset Ltd., İzmir, 1995.
· Çağlarca S., Renk Armoni Kuralları, İnkılap Yayınları, İstanbul, 1993.
· Eriç M., Yapı Malzemeleri, İstanbul, 1978.
Instructor(s): Instr. Yelda Alakuş

MIM 686 DETAIL DESIGN 1
2+2 Hours/Week, 2Theory+2 Studio, 3 Credits, 4 ECTS Credits
Objective / Contents: To help students attaining the ability to analyze, evaluate and choose between building component and element alternatives according to certain design parameters (design requirements, constraints, context, performance requirements) ; developing architectural detail solutions and; integrating the building elements to the whole building system, in detailed design stage of masonry and reinforced concrete skeleton buildings.
Pre-requisite:-
Assessment Methods: Midterm Grade %40 + Term Project Grade %60
Recommended Resources:
· Allen, E., (2003), "Fundamentals of Building Construction: Materials and Methods", John Wiley&Sons.
· Allen, E., (2006), "Architectural detailing: function, constructability, aesthetics", JohnWiley&Sons.
· Bachman, L. R., (2002), "Integrated Buildings: The Systems Basis of Architecture", John Wiley & Sons.
· Bayazıt, N., (1994), "Endüstri Ürünlerinde ve Mimarlıkta Tasarlama Metodlarına Giriş", Literatür.
· Bayülke, N., (2001), "Depreme Dayanıklı Betonarme ve Yığma Yapı Tasarımı", İMO İzmir Şubesi Yayınları, İzmir.
· Binan, M., (1998), "Ahşap Çatılar", Birsen Yayınevi, İstanbul.
· Blanc, A., (1996), "Internal Components", Longman.
· Bohe, W.M., (1972), "Dacher", Verlagsanstalt Alexander Koch GmbH, Stuttgart.
Instructor(s): Asst. Prof. Dr. Ömer Ş. Deniz

MIM 687 ARCHITECTURE AND ETHICS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The aim of the course is to discuss the sensibility to environmental values with anthropocentric approaches in architectural field and to create social, cultural, occupational, environmental responsibility and ethic conciosness. In this process, the perspective is to discuss 'design ethic' which can be seen as the practice field for general ethic issues.
Assesments Methods: Mid-term evaluation grade is determined due to the oral presentations where as final grade is determined due to the text and the mid-term presentation accordance.
Recommended Readings:
· Bilimsel Arastırmada Etik ve Sorunları-Türkiye Bilimler Akademisi Bilim Etiği Komitesi, TÜBA Yayınları, 2002
· Çevre Etiği-Çevre Felsefesine Giriş,Ruşen Keleş, İmge Kitabevi Yayınları, 2006
· Architecture, Ethics, and Technology /Edited by Louise Pelletier and Alberto Pérez-Gómez/ 1994/ kod 9780773511484
· EThics and the Built Environment Ruth Chadwick, Routledge , 2000
· Ethic Issues :http://arxitecture.org.uk/arx200.html
Instructor(s): Prof.Dr. Ayla Ödekan, Prof. Dr. Zeynep Aygen , Assoc. Prof. Dr. Ahmet Tercan

MIM 717 ANALOGY IN ARCHITECTURAL DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives / Contents: Theoritical approach to architectural design through analogical thinking. Understanding different reasoning forms and discussing analogical thinking effects in architectural design and learning.
Pre-requisite:-
Recommended Readings:
· Capra, F., 2000. Hayatın Örgüsü, çev:Beno Kuyel, Yapı Merkezi, İstanbul
· Foucault, M., 2001., Kelimeler ve Şeyler, İnsan Bilimlerinin Bir Arkeolojisi, çev: Mehmet Ali Kılıçbay, İmge Kitabevi, 2. Baskı
· Frampton, K., 1997. Modern Architecture A Critical Hıstory, Thames and Hudson, London
· Karatani, K., 2006. Metafor Olarak Mimari, Dil,Sayı,Para, çev: Barış Yıldırım Metis Yayınları, İstanbul
· Kuhn, T., S., 2003., Bilimsel Devrimlerin Yapısı, çev: Nilüfer Kuyaş, Alan Yayıncılık, 6. Baskı, İstanbul
· Lawson, B., 1990. How Designers Think, The Design Process Demystified, Second Edition, Butterworth Architecture
· Rossi, A., Eisenman, P. & Ghirardo, D., 2006. Şehrin Mimarisi, çev: Nurdan Gülbilek, Kanat Yayınları
· Vidler, A., The Third Typology Oppositions 7 (Winter 1977); expanded in Rational

· Architecture: The Reconstruction of the European City (Brussels: Editions des Archives dÕarchitecture moderne, 1978)
Instructor(s): Assist. Prof. Dr. Tolga Sayın

MIM 725 ARCHITECTURAL LIGHTING TECHNIQUES
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Describing lighting techniques, relation between lighting and architecture, sustainability in lighting design, efficient use of energy, basic principles of natural lighting and its relation to the human body and architecture.
Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm exam, 1 final homework.
Recommended Readings:
· Baker, N., Steemers K.,"Daylight Design of Buildings" James&James, 2002.
· Boubekri, M., "Daylighting Architecture and Health", Architectural Press, 2008.
· Baker, N., Steemers K. "Energy and Environment in Architecture" , E&FN Spon, 2000.
· Sirel, Ş., Aydınlatma Sözlüğü, Yem Yayınları, 1997.
· Sirel, Ş., Aydınlatmada Enerji Kaybı, YFU Yayınları, No:3, 1991.
· Steffy, G.R., Architectural Lighting Design, Van Nostrand Reinhold, New York, 1990.
· Özkaya, M., Aydınlatma Tekniği, Birsen Yayınevi, İstanbul, 2004.
· Gordon, G., Interior Lighting Design Basics, John Wilewy&Sons, New Jersey, 2003.
· Fitöz, İ., Mekan Tasarımında Belirleyici Bir Etken Olarak Yapay Işık için Aydınlatma Tasarımı Modeli, MSGSÜ, Fen Bilimleri Enstitüsü, Doktora Tezi, 2002.
Instructor(s): Assoc. Prof. Dr. İpek Fitöz, Instr. Hülya Okutan*

MİM 727 CONSİDERİNG THE NEİGHBOURHOOD AS AN URBAN STRUCTURE
3 hrs / week, 1Theory , 2 Application, 2 Credits, 3 ECTS Credits
Objectives/content: Thiscours eaims todiscuss quarter, the distinctive neighborhood in Turkey'scasein theprocess of urban transformation. NeighborhoodunitwithTurkey'suniquehistoricalheritagehas beenplaying a decisiverole, on the urban morphologyandsociologydynamicsfromtheOttomanEmpiretotoday. Quarter is located at theintersection of designandplanning as well as socialdisciplines. Inthiscontext, theneighborhood, withitsrichpotentialin thecontext of sustainabilityand "place" is examined. Acasestudywill be selected in accordancewiththiscontextandspatialandsocio-culturalanalysiswill be carriedout. Thisa nalysiswill be supported by different concepts. whichwill be discussed in the theoretical part of thecourse.
Pre-requisite:-
Assesment methods: Assignments**,** application
Recommended Readings:
· Carmona, M, Heath, T.Oc. Tiesdell, T. (2003), Public Places, Urban Spaces, Architectural Press.
· Castells, M., Borja, J. (1996), Global & Local Strategic Plans and Metropoliten Projects.
Instructor(s): Assoc. Prof. Dr. İmre Özbek Eren

MIM 727E NEIGHBORHOOD IN THE TURKISH CITY TEXTURE (English Course)
3 hrs / week, 1Theory , 2 Application, 3 Credits, 3 ECTS Credits
Amaç / İçerik: Thiscours eaims todiscuss quarter, the distinctive neighborhood in Turkey'scasein theprocess of urban transformation. NeighborhoodunitwithTurkey'suniquehistoricalheritagehas beenplaying a decisiverole, on the urban morphologyandsociologydynamicsfromtheOttomanEmpiretotoday. Quarter is located at theintersection of designandplanning as well as socialdisciplines. Inthiscontext, theneighborhood, withitsrichpotentialin thecontext of sustainabilityand "place" is examined. Acasestudywill be selected in accordancewiththiscontextandspatialandsocio-culturalanalysiswill be carriedout. Thisa nalysiswill be supported by different concepts. whichwill be discussed in the theoretical part of thecourse.
Pre-requisite:-
Assesment methods: Assignments**,** application
Recommended Readings:
· Carmona, M, Heath, T.Oc. Tiesdell, T. (2003), Public Places, Urban Spaces, Architectural Press.
· Castells, M., Borja, J. (1996), Global & Local Strategic Plans and Metropoliten Projects.
Instructor(s): Assoc. Prof. Dr. İmre Özbek Eren

MIM 749 HISTORY OF THOUGHT
4 Hours/Week, 1 Theory, 3 Application, 4 Credits, 4 ECTS Credits
Objectives/Contents: Teaching students the development of Western Civilization and encouraging student discussing about it.
- teaching basic knowledge about the history of thought
- being able to discuss about the relationship between the history of thought and the main breaking points in the history of civilization

Instructor(s): Instr. Ali Mehmet Timuçin

MIM 750 SPATIAL ORGANIZATION AND USE OF COLOR IN VERNACULAR ARCHITECTURE
4 Hours/Week, Theory 2+ Studio 2, 3Credits, 4 ECTS Credits
Objective / Contents: The main objective of this course is reading and analysing the local architecture in rural areas through the spatial organizations and use of colour. Vernacular architecture, interiors of houses, furniture and equipments, colour perception and use of colour in vernacular architecture are contents of the course. At the end of this course the students are expected to

develop the awareness of conservation concerning vernacular architecture with respect for cultural and natural values, ability to take measurements and conduct a query, and skills to present the analysis of both use of colour and spatial organizations.
Pre-requisite:-
Assessment Methods: Case Study and Term project submission
Recommended Readings:
· Reha Günay, Türk Ev Geleneği ve Safranbolu Evleri, Yem yayınları, İstanbul, 1998.
· Türk Evi Gözlemler, Yorumlar, Hülya-Ferhan Yürekli, YEM yayınları, 2007.
· Önder Küçükerman, Kendi Mekânını Arayışı İçinde Türk Evi Türkiye Turing ve Otomobil Kurumu, İstanbul, 1996.
Instructor(s): Assist. Prof. Ece Postalcı Altınkaya, Assist. Prof. Dr. Ayşegül Kuruç

MIM 750E INTERIOR SPATIAL ORGANIZATION AND USE OF COLOR IN VERNACULAR ARCHITECTURE (English Course)
4 Hours/Week, Theory 2 + Studio 2, 3 Credits, 4 ECTS Credits
Objective / Contents: The main objective of this course is reading and analysing the local architecture in rural areas through the spatial organizations and use of colour. Vernacular architecture, interiors of houses, furniture and equipments, colour perception and use of colour in vernacular architecture are contents of the course. At the end of this course the students are expected to develop the awareness of conservation concerning vernacular architecture with respect for cultural and natural values, ability to take measurements and conduct a query, and skills to present the analysis of both use of colour and spatial organizations.
Pre-requisite:-
Assessment Methods: Case Study and Term project submission
Recommended Readings:
· Reha Günay, Türk Ev Geleneği ve Safranbolu Evleri, Yem yayınları, İstanbul, 1998.
· Türk Evi Gözlemler, Yorumlar, Hülya-Ferhan Yürekli, YEM yayınları, 2007.
· Önder Küçükerman, Kendi Mekânını Arayışı İçinde Türk Evi Türkiye Turing ve Otomobil Kurumu, İstanbul, 1996.
Instructor(s): Assist. Prof. Ece Postalcı Altınkaya, Assist. Prof. Dr. Ayşegül Kuruç

MIM 751 LIGHT GAUGE STEEL CONSTRUCTION
2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: Explanation of the production and application disciplines of light gauge steel construction systems which are developed to be used especially in house constructions and have outstanding properties than other construction materials.
Pre-requisite: -
Assessment methods: 1 Midterm exam , 1 Final Exam
Recommended Readings:
· Shear Wall Design Guide, Publication Rg 9807, NASFA, Washington, 1998.
· Hauser in Stahl-Leichtbauweise, Dokumentation, D 560, Stahl Information Zentrum, Dusselfodrf, 2002.
· Optimum Design of Cold-Formed Steel, Publication 25, Helsinki Technology Laboratory of Steel Structures, Helsinki, 2003.
· Builders Steel Stud Guide, Publication Rg 9607, NASFA, Washington, 1998.
· Design Guide for Cold-Formed Steel-Trusses, AISI Publication Rg 9518, AISI, Washington DC, 1995.
Teaching Staff: Prof. Dr. Özlem Eren

MIM 753 HIGH-TECH BUILDING CONSTRUCTION
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: High Tech in architecture can be defined as an architectural concept that links industrial production with building production, uses the industry out of building industry as both a source of technology and a source of image, gives importance to flexibility in use, reflects science of technology of the era with its design and, uses the technical facility and process theories. Regarding to this, high-tech building systems will be discussed along with applications. The aim of the course is to teach how to use technology by presenting load bearing systems parallel to the development of technology, development in materials and products, development in technology and examples of application.
Pre-requisite:-
Assessment Methods: Midterm Grade%50 **(**Exam %50+ Sunum %50) + Yarıyıl Sonu Notu %50 **(**Sınav %50+ Assignment%50)
Recommended Resources:
· Eren,Ö., 2007,Çelik Yapılar, Arı Yayınları
Instructor(s): Prof. Dr. Özlem Eren

MIM 754 STRUCTURAL FORMATION OF EARTHQUAKE RESISTANT BUILDING DESIGN
2 Hrs\week,2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: To consider the earthquake resistant buildings according to architectural design principles and guide the future designers. In this direction, the earthquake resistant design concept and the building systems used often in Turkey are introduced and the relation of architectural form and seismic behavior is explained.
Pre-requisite:-
Assessment methods: Midterm , Final exam
Recommended Readings:
· Bayülke, N., Depreme Dayanıklı Betonarme ve Yığma Yapı Tasarımı, İnş. Müh. Odası, Yayın No: 27, İzmir, 1998
· Çamlıbel, N., (1994), Depreme Dayanıklı Yapıların Tasarım İlkeleri, YTÜ Mim. Fak. Yayını, No: MF-MİM 94.058, 1998
Teaching Staff: Prof. Aydan Özgen, Prof. Dr. Ayşin Sev.

MIM 756 PLANNING MANAGEMENT

2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: Introduction to the basic concepts on project management with examples. Job development-costing and tendering, construction-head office relations, Project management of high technological building, selection of proper construction contracts, basic concepts of quality management, bonus in construction management
Pre-requisite:-
Assessment methods: Midterm exam , Final Homework
Recommended Readings:
· Dadaşbilge, Kırhan, İnşaat Yönetimi, Genel Yönetim (Henry Fayol'un Öğretileri),1999
· Galipoğulları, Niyazi, İnşaat Yönetimi, 2001
· Keskinel, Fikret, Şebeke Bazlı Bilgisayar Destekli Proje Yönetimi,2000
· Hatiboğlu, Zeyyat, Özel Yönetim Organizasyon ve İnsan Kaynakları, 2003
Teaching Staff: Prof. Dr. Sema Ergönül

MIM 757 VOLUME ACOUSTICS AND NOISE CONTROL IN BUILDING
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Introducing the architectural acoustics concept and effect of it on architectural identity; informing the students about the knowledge and methods required for bringing out sustainable architectural designs which meet technical requirements in terms of acoustic comfort besides aesthetical requirements in different architectural spaces.
Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm exam, 1 final homework.
Recommended Readings:
· Long, M., Architectural Acoustics, Elsevier Academic Press.
· Everest, F. A., Master Handbook of Acoustics, Mc Graw Hill.
Instructor(s): Assist. Prof. Dr. Cüneyt Diri

MIM 758 CONSTRUCTION BIOLOGY AND ECOLOGY IN BUILDING
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Informing the students about relationships among the human being, the building and the environment within the framework of the building biology concepts, calculation of the factors affecting the inner space comfort and determination of rational material choice criteria.
Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm exam, 1 final homework.
Recommended Readings:
· Eriç, M., "Yapı Fiziği ve Malzemesi", Literatür Yayınları, 2002.
· http://buildingbiology.net "INSTITUTE FOR BAU-BIOLOGIE & ECOLOGY"(IBE)
· http://www.taek.gov.tr "Türk Atom Enerjisi Kurumu"
· http://www.who.int/en "WHO - World Health Organization"
Instructor(s): Instr. C. Zeynep Oğuz

MIM 761 UTOPIAN APPROACHES IN ARCHITECTURAL DESIGN
2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.
Objective/Contents: This course aims to discuss several utopian approaches in the history of architectural design.
Pre-requisite:-
Assessment methods: Exam or term project
Recommended Readings:
· FORTY, A. (2000), *Words and Buildings: A Vocabulary of Modern Architecture*, Thames & Hudson, London.
· GIEDION, S. (1995), *Space, Time and Architecture*, Harvard University, Massachusetts.
· LE CORBUSIER (1967), *The Radiant City* (1933), Faber & Faber Ltd., London.
· LUCHINGER, A. (1981), *Structuralism in Architecture and Urban Planning*, Karl Kramer Verlag, Stuttgart
· MONEO, R. (2004b), "The Solitude of Buildings (1985)", *Rafael Moneo: Imperative Anthology,* El Croquis Editorial, Madrid, 608-616.
· ROWE, C. (1999), *The Mathematics of the Ideal Villa and Other Essays*, MIT Press, Cambridge.
· TAFURI, M. (1996a), *Architecture and Utopia: Design and Capitalist Development*, MIT Press, Massachusetts.
· CONRADS, U. (der.) (1991), *20. Yüzyıl Mimarisinde Program ve Manifestolar*, Çev. S.Yavuz, Şevki Vanlı Yay., Ankara.
Teaching Staff: Assist. Prof. Dr. Özgür Bingöl

MIM 762 POST-MODERNISM IN ISTANBUL
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: After the introduction of Modern Architecture focus will be given to Post-Modern architecture in Istanbul. It is aimed to explain the style visiting the buildings taking place in Istanbul.
Pre-requisite:-
Assessment Methods: Written exam or homework, final exam
Recommended Readings:
· Elâ Gönen, İstanbul'un Mimarî Dokusunda Modern-Sonrası Uygulamalar, yayınlanmamış doktora tezi, İTÜ, FBE, İstanbul 2007
· Elâ Gönen Güngören, Çağdaş İstanbul Post-Modern Mimarisinde Neoklâsisizm, itüdergisi/a, cilt 8, sayı 2, 36–50, 2009

· Charles Jencks, The Language of Post-Modern Architecture, Rizzoli, New York 1991
· Bülent Özer, Post-Modernizm'e Sınıflandırıcı Bir Bakış, Yapı 63, s. 26-44, 1985
· Filiz Özer, Neden Son Yirmi Beş Yıl, Mimarinin Son 25 Yılı Semineri, İTÜ Mimarlık Fakültesi Baskı Atölyesi, İstanbul 1984
· Robert Venturi, Complexity and Contradiction in Architecture, The Museum of Modern Art, Papers in Architecture, New York 1990

Instructor(s): Assist. Prof. Dr. Elâ Güngören

MIM 763 NEW BUILDINGS IN HISTORIC URBAN SITES

2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.

Objectives/Contents: Analysis of characteristics of urban historic sites in order to preserve their identity and determining the principles of design in new developments.

Pre-requisite: -

Assesment methods: 1 Midterm exam, 1 Final Exam

Recommended Readings:

· Ahunbay, Zeynep, " Tarihi Çevre Koruma ve Restorasyon", YEM Yay, İstanbul, 1996.
· Kuban, Doğan, " Tarihi Çevre Korumanın Mimarlık Boyutu ", 2000.
· Onur, Halil, "Korunması Gerekli Mimari Anıtlara Ek Yapı Tasarımında İlkeler", MSÜ Mimarlık Bölümü, Basılmamış Doktora Tezi, 1991.
· Erder, Cevat, " Tarihi Çevre Bilinci ", ODTÜ Mimarlık Fak. Yay. Ankara , 1975.
· Özer, Bülent, "Tarihi ve Geleneksel Mimariyle Yaşamak ve Yeniden İnşa Etmek", Yapı Dergisi, Ocak-Şubat 1979.

Teaching Staff: Prof. Dr. İlgi Yüce Aşkun

MIM 764 INTERNATIONAL BUILDING CODES AND PROFESSIONAL PRACTICE

2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.

Objective/Contents: Providing students with knowledge on
-general security standards
-designing healthy and secure
-references, standards, codes, that could be useful when starting a new design
-design criteria that should be abode by for a healthy and secure life

Pre-requisite: -

Assessment methods: Midterm presentation, Final report

Recommended Readings:

· UBC Uniform Building Code 2002 (ICBO)
· NFPA. (ANSI/NFPA 2001)
· NFPA 101 Life Safety Code (ANSI/NFPA 2001)
· ; IBC (Inernational Building Code), UBC (Uniform Building Code), NFPA (National Fire Protection Association), NFPA 101 Life Safety Code 101

Teaching Staff: Instr. Turcan Kanık

MIM 765 NATURAL FACTORS IN THE CONFIGURATION OF ARCHITECTURAL ENVIRONMENT

2 hrs/week,2 Theory, 2 Credits, 3 ECTS Credits

Objective / Contents: This course discusses about relation with architecture and nature. Relations with topography, natural environmental values, climatically factors are contents in this course,

Prerequisite: -

Assessment Methods: 1 Midterm exam (presentation), 1 Final exam (paper or poster presentation)

Recommended Readings:

· Aysel, Nezih R. (dnş : Prof. Nursel Onat) 2004. Mimari Tasarımın Biçimlenmesinde Bir Çevre Faktörü Olarak "SU" ve Boğaziçi Örneği. İstanbul. MSGSÜ Fen Bilimleri Enstitüsü.
· Çakın, Şahap. 1988. Mimari Tasarım, İnsan, Toplum ve Çevre İlişkileri. İstanbul. Özal Matbaası
· Çubuk, Mehmet. 1979. Tarih Boyunca Çevre Toplumun Tasarlanmış Eylemi : Şehircilik. İstanbul. İ.D.G.S. Akademisi Y. Mimarlık Bölümü Şehircilik Kürsüsü
· Duru, B. – Alkan, A.. 2002. 20. Yüzyıl Kenti. İstanbul. İmge Yayınları
· Erkman, Uğur. 1982. Mimari Tasarım İçin Bir Veri Üretim Yöntemi Olarak Çevre Analizi. İstanbul. İTÜ Mimarlık Fakültesi.

Teaching Staff:): Assoc. Prof. Dr. Nezih Aysel

MIM 766 EVOLUTION OF OFFICE BUILDING DESIGN IN TURKEY

2 hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits

Objective / Contents: This course aims to discuss of effective factors of office buildings evolution in Turkey.

Pre-requisite: -

Assessment Methods: 1 Midterm exam (presentation), 1 Final exam (paper or poster presentation)

Recommended Readings:

· Demir, Ataman Prof. Büro Binalarının Tarihsel Gelişimi (yayımlanlamış Ders Notları). MSGSÜ Bina Bilgisi
· Dökmeci, V. - Dülgeroğlu, Y. 1993. İstanbul Şehir Transformasyonu ve Büro Binaları. İstanbul. Literatür Yayınları
· Eldem, Nezih. 1950. İdari ve Ticari Büro Binaları. İstanbul. İTÜ Mimarlık Fakültesi
· Onat, Nursel Prof. Çağdaş Büro Binaları (yayımlanlamış Ders Notları). MSGSÜ Bina Bilgisi

· Onat, Nursel. Büro Planlama İlkeleri. İstanbul. MSÜ Mimarlık Fakültesi
Teaching Staff: Prof. Dr. N. Oğuz Özer, **):** Assoc. Prof. Dr. Nezih R. Aysel

MIM 767 SOCIAL AND CULTURAL FACTORS IN THE CONFIGURATION OF ARCHITECTURAL DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: This course aims to discuss, social factors and cultural elements which are effected role of architectural design. Some traditional settlements pattern and building design are exemplary in this course.
Pre-requisite:MIM 401
Assessment Methods: 1 Midterm exam (presentation), 1 Final exam (paper or poster presentation)
Recommended Readings:
· Güvenç, Bozkurt. 1991. İnsan ve Kültür. İstanbul. Remzi Kitabevi.
· Hacıhasanoğlu, Orhan Doç. Dr. 1995. Yapısal Çevrenin Oluşumuna Etki Eden Sosyo-Kültürel Faktörler. İTÜ, Ders Notları.
· Hall, Edward T. 1966. The Hidden Dimension. New York. Doubleday Inc.
· 1990. The Silent Language. Bantam Doubleday Dell Publishing Group
· İzgi, Utarit. 1999. Mimarlıkta Süreç: Kavramlar –İlişkiler. İstanbul. YEM
· Rapoport, Amos. 1969. House Form and Culture. New Jersey. Prentice-Hall Inc.
· Rudofsky, Bernard. 1987. Architecture Without Architects: A Short Introduction to Non-Pedigreed Architecture. University of New Mexico Press.
· Sennett, Richard. 1999. Gözün Vicdanı: Kentin Tasarımı ve Toplumsal Yaşam. İstanbul. Ayrıntı Yayınları.
· Yücel, Atilla. 1971. Tasarlama ve Çevre Sorunları. Bazı Sistematik Yaklaşım Eğilimleri. İstanbul. İTÜ Mimarlık Fakültesi.
· Wells, Calvin [çev. Bozkurt Güvenç]. 1984. Sosyal Antropoloji Açısından İnsan ve Dünyası. İstanbul. Remzi Kitabevi Yayınları.
Instructor(s): Assoc. Prof. Dr. Nezih R. Aysel

MIM 768 THE DESIGN PRINCIPLES AND METHODS FOR THE WORSHIP SPACE
2 Hrs\Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: Explanation of Rituals and Myths as constituing Elements of Worship Space in almost all Religions and Beliefs.
Pre-requisite: -
Assessment methods: 1 Midterm Presentation, 1 Final Presentation
Recommended Readings:
· Akın, G.; Asya Merkezi Mekan Geleneği
· Elıade, M.; Kutsal Ve Dindışı
· Norberg-Schulz, C.; Genius Loci, Towards A Phenomenology Of Architecture
· Lundquıst, J. M.; The Temple – Meeting Place Of Heaven And Earth
· Humphrey C. – P. Vıtebsky,; Sacred Architecture
Teaching Staff: Asist. Prof. Dr. M. Kerem Özel

MIM 769 THE CONCEPT OF PATH AND ITS EFFECTS ON THE ARCHITECTURE
2 Hrs\Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: "The Concept of Path" as a Method to analyse any Space of Worship. Spiritual/Inner and Physical/Outer journeys, Pilgrimages, The History of Pilgrimages, The Routes of Pilgrimages, Buildings on the Pilgrimage Routes, Pilgrimage Architecture.
Pre-requisite: -
Assessment methods: 1 Midterm Presentation, 1 Final Presentation
Recommended Readings:
· Barber R.; Pilgrimages
· Barrıe, T.; Spiritual Path, Sacred Place
· Campbell, J.; The Hero With A Thousand Faces
· Esin, E.; Mecca The Blessed Madinah The Radiant
· Gıedıon, S.; The Beginnings Of Architecture
Teaching Staff: Assist. Prof. Dr. M. Kerem Özel

MIM 770 GENERATING ENVIRONMENT AND ENVIRONMENTAL PSYCHOLOGY
2 Hours\Week, 2 Theory, 2 Credits, 3 ECTS Credits

Objective/Contents: Examining human-environment relationship, understading the interractions of human behavior with designed and natural environments. Discussing foundations of global events such as individual, society, culture with design and environment relationship. While explaining the relationship of environmental psychology with design, examining its impacts on architectural design. Discussing the criterias for a livable environment while discussin global disaster scenarios
Pre-requisite:-
Assessment methods: Written exam or homework, Final Exam
Recommended Readings:
· Tiftik, Cemile., 1995, Çevre-Davranış Alanı İçinde Konut ve Çevre Değiştirmenin İnsana Etkisinin Mimari Açıdan İncelenmesi, Doktora Tezi, İstanbul Teknik Üniversitesi
· Stokols, D. & Altman, I., 1987, Handbook of Environmental Psychology. Vol.1& Vol.2, New York, John Wiley &Sons.
· Ünlü, Alper., Çevresel Tasarımda İlk Kavramlar, İstanbul, İstanbul teknik Üniversitesi.

· Çakın,Şahap., 1990, Mimari Tasarım, İnsan ve Çevre. İstanbul, Özal matbaası.
· Evans, G. W., 1984, Environmental Stress. Cambridge: Cambridge, University Press.
Instructor(s): Assist. Prof. Dr. Cemile Tiftik

MIM 773 RISK MANAGEMENT IN ARCHITECTURE
2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.
Objective/Contents: issues to be considered at all stages of architectural project design in order to minimize the risks
, including fire safety principles
-ability to calculate different risks during design stages
-gaining awareness about design principles, material standards in different countries
-understanding the reasons behind standards about architecture and regarding regulations in renowned Western countries
Pre-requisite: -
Assessment methods: Written exam
Recommended Readings:-
Teaching Staff: Dr. Akil Süheyl Becan

MIM 775 ARCHITECTURE AND IDEOLOGY
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: This course aims to discuss designing cities and buildings as an ideological object with the help of several disciplines.
Pre-requisite:MIM 401
Assessment Methods: 1 Midterm exam (presentation), 1 Final exam (paper or poster presentation)
Recommended Readings:
· Sennett, Richard. 2006, Ten ve Taş: Batı Uygarlığında Beden ve Şehir. İstanbul, Metis Yayınları.
· Mimarlık ve Siyaset, Mimarist 25, güz 2007
· Bumin, Kürşat, 1990. Demokrasi Arayışında Kent, İstanbul, Ayrıntı Yayınları.
· Berman, Marchall. 2006, Katı Olan Her Şey Buharlaşıyor, İstanbul, İletişim Yayınları.
· Anonim. 1973, Mimarlığımız 1923-50, Mimarlık 73/2, sayfa 19-62
· Sözen, Metin. 1984. Cumhuriyet Dönemi Türk Mimarlığı. Ankara. T. İş Bankası Yayınları
· Eldem, Sedad H. 1973, Elli Yıllık Cumhuriyet Mimarlığı, Mimarlık sayı 11/12 sayfa 5-11
· Yeşilkaya Neşe G.. 1999. Halkevleri : İdeoloji ve Mimarlık.İstanbul. İletişim Yayınları.
· Bozdoğan, Sibel. 2002. Modernizm ve Ulusun İnşası: Erken Cumhuriyet Türkiyesi'nde Mimari Kültür. İstanbul. Metis Yayınları.
· Demir, Ataman. 2008. Güzel Sanatlar Akademisi'nde yabancı Hocalar, İstanbul, MSGSÜ yayınları.
Instructor(s): Assoc. Prof. Dr.. Nezih R. Aysel

MIM 776 ROLE OF PUBLIC SPACE IN HOUSING DESIGN
2 hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: This course aims to discuss, public places as a design criteria of housing design.
Prerequisite: -
Assessment Methods: 1 Midterm exam (presentation), 1 Final exam (paper or poster presentation)
Recommended Readings:
· Akbar, Jamel (ed). 1988. Crisis in the Built Environment: The Case of the Muslim City. Singapore. Mimar Books
· Anonim. 1980. Places of Public Gathering in Islam.Aga Khan Award for Architecture Books
· Cerver, Francisco Asensio . 1997. Exclusive houses : New Concepts in Housing Architecture. Barcelona
· Correa, Charles. 1989. The New Landscape: Urbanisation in the Third World. Singapore. Mimar Book
· Edwards, Brian vd. (ed). 2006. Courtyard Housing: past, present and future. New York : Taylor & Francis.
Teaching Staff:): Assoc. Prof. Dr. Nezih Aysel

MIM 777 INDUSTRIAL PLANT AND COMPLEX DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: This course provides a conceptual framework for the students to evaluate the land use and functional/spatial organizations of industrial buildings.
Begining from the Industrial Revolution this course focuses on the evolution of the spatial organizations of industrial buildings as well as the impact of this evolution on the design of modern architectural structures.
During the course the main emphasis will be given on the design of production plants, storage and distribution systems. Researches and discussions will be held on particular features of industrial architecture.
Pre-requisite:MIM 301
Assessment methods: Seminar %50, Research Paper %50.
Recommended Readings:
· Adam, Jürgen, Hausmann, Katharina, "Industrial Buildings: A Design Manual", Birkhauser Verlag, 2004, ISBN: 376432175X.
· Drury, Jolyon, Falconer, Peter, "Buildings For Industrial Strage And Distribution", Architectural Press, 2003, ISBN:0750648198.
· Beaver, Robyn, "Industrial Spaces - Vol:1", Images Publishing, 2003, ISBN: 1876907630.
· Ackermann, Kurt, "Industriebau", Deutsche Verlags-Anstalt, Stuttgart, 1985, ISBN:3-421-02829-X.
· Ayres, Robert, Ayres Leslie, ed., "A Handbook of Industrial Ecology", Edward Elgar Publishing Ltd., 2002, ISBN: 1-84064-506-7.
Instructor(s): Assist. Prof. Dr. Kaya Sönmezler

MIM 779 EXPOSITION SPACES FROM THE BEGINNING TO OUR DAY
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The interpretation of the architectural styles by analysing the exhibition spaces and museums.
Pre-requisite:-
Assessment Methods: Midterm %50, final %50
Recommended Readings:
Bülent Özer, Kültür Sanat Mimarlık, YEM Yayını, Istanbul
Dennis Sharp, A Visual History of Twentieth-Century Architecture, Trewin Copplestone Publishing Ltd, Londra
Jürgen Joedicke, Moderne Architektur
Strömungen und Tendenzen, Karl Krämer Verlag, Stuttgart
Weltgeschichte der Architektur, Belser Verlag, Stuttgart
Instructor(s): Prof. Dr. Aylâ Antel

MIM 781 EXAMININGTHE TERM NEIGHBOURHOOD AS A "PLACE" WITHIN TURKISH URBAN LIFE AND URBAN PATTERN
2 Hours / Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The aim of this lecture is to examine the unique neighbourhood structure of Turkey within the context of urban transformation processes. As a unique historical heritage and urban/social dynamic of Turkey, neighborhooods has been one of the most important determinants of the urban morphology and social structure of the city since the Ottoman Empire and it is placed at the crossroad of manyurban and architectural design determinants such as urban morphology, neighbourhood, communal memory, cultural interraction, belonging, public/private space etc. Within this context and as a "place", the rich potentials of neighbourhoods in terms of sustainability will be examined, the possible ways of regaining these as assets to the design processes will be discussed**.**
Pre-requisite:-
Assesments Methods: The mid term grade is determined by the reading lists' comments given in the begining of the semestre. The course grade is determined by the evaluation of the mid term grade and the final poster presentations
Recommended Readings:
- AREFI, Mahyar, 1999. "Non-Place And Placelessness As Narratives Of Loss: Rethinking The Notion Of Place", Journal Of Urban Design, Vol.4, No.2, S:179-193.
- AUGE, Marc, 1997.(İlk Basımn1992). Yerolmayanlar, Kesit Yayıncılık. (Non-Lieux)
- AYDINLI, Semra, . "Mimarlıkta Yeni Bir Kavram Bağlamsal Uygunluk" Yapı Dergisi, Sayı 108, S:45
- CASEY,Edward S.,(1997). The Fate Of Place: A Philosophical History, University Of California Press, London, England.
- FRAMPTON, Kenneth, 1992. Modern Architecture; A Critical History, Thames And Hudson Ltd. London.
- GHIRARDO, Diane, 1996. Architecture After Modernism, Thames And Hudson, New York.
- GIEDION, Sigfried, 1966 (İlk Basım 1941). Space, Time And Architecture, Harvard University Press.
- HARVEY, David, 1996. Postmodernliğin Durumu, Metis Yayınevi, İstanbul.
- LEFEBVRE, Henri, 1974. The Production Of Space, Blackwell Publishing, UK.

Instructor(s): Assoc. Prof. Dr. İmre ÖZBEK EREN

MIM 783 ENERGY EFFICIENT BUILDINGS
2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.
Objective/Contents: The building sector consumes approximately half of the energy produced by fossil fuels. Much of the energy in buildings is used for heating, cooling and ventilating and lighting systems. The important consequences of the energy consumption are the depletion of natural resources and environmental degradation as well. In this context the necessity of ecological architecture and energy-efficient buildings is inevitable. Today it is inefficient to duplicate the traditional and native architectural products without exploting the technological advantages, when designing ecological buildings. It will be beneficial to utilize the technological advances. This lecture aims to represent the tehnological opportunities and advances when designing ecological buildings such as advanced facades and high technology glass products, renewable energy systems, fuel cells, photovoltaics and jeotermal energy.
Pre-requisite: -
Assessment methods: Midterm Homework %50, Final Report %50
Recommended Readings:
- Gissen, D., (2002). Big & Green: Towards Sustainable Architecture in the 21st Century, Princeton Architectural Press, New York
- Hawkes, D., Forster, W., (2002)., Energy Efficient Buildings: Architecture, Engineering and the Environment, W.W. Norton & Company, New York
- Herzog, T. (Ed.), (1996). Solar Energy in Architecture and Urban Planning, Prestel, Münih
- Ray-Jones, A., (Ed.), (2000). Sustainable Architecture in Japan: Green Buildings of Nikken Sekkei, John-Wiley and Sons, London
- Sev, A., (2005). "Intelligent Glass Facades for Tall Buildings", Intelligent Building Middle East 2005, International Exhibition and Conference for Building Concepts, Materials and Technology, December 5-7, Manama, Kingdom of Bahrein, (CD-Rom).

Teaching Staff: Prof. Dr. Ayşin Sev

MIM 784 DESIGN PHILOSOPHY
2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.
Objective/Contents: Design can be examined by philosophy instead of sciences. The aim of this course is to introduce the students with design philosophy.

Pre-requisite: -
Assessment methods:
Recommended Readings:
Teaching Staff: Prof. İsmail Tunalı

MIM 785 REFLECTIONS OF MODERN ARCHITECTURE ON ISTANBUL
2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.
Objective/Contents: The introduction of modern buildings in İstanbul in order to enable the student to evaluate the built environment and to provide an architectural sensitivity.
-Providig the student with the ability to distinguish modernism among other movements
-understanding the own trends of the movement
Understanding the emergence of the Modernism which originally comes from abroad. Making comparisons between our version of Modernism with the original movement. Introducing different types of the movement, explaining the principles of constructing new in historical environments.
Pre-requisite: -
Assessment methods: Midterm presentation, Final report
Recommended Readings:
· Bülent Özer, Rejyonalizm, Üniversalizm Ve Çağdaş Mimarimiz Üzerine Bir Deneme, İtü Doktora Tezi, 1964
· David Watkin, A History Of Western Architecture, Laurence King, Great Britain, 1992
· Ayla Gülsen, Dünyada Ve Türkiye'de Çağdaş Rasyonalist Mimarî, MSÜ Doktora Tezi, 1990
· Ebru Özeke, Mimarlıkta Rasyonellik Kavramının Tarihsel Gelişim Süreci İçerisinde Bir Bakış, MSÜ Doktora Tezi, 2001.
Teaching Staff: Assis. Prof. Dr. Ela Güngören

MIM 789 STEEL BUILDING PROJECT
4 Hours/Week, 2 Theory+ 2 Studio, 3 Credits, 4 ECTS Credits
Objective / Contents: To understand the elements being used in steel buildings of which the applications have increased after the 1999 earthquake in our country and architectural design processes; being able to bring in solutions to this processes, choose between systems, create project solutions for wide span steel structures. Each week, students will be presented theoretical information and they will work in studio. For the project, 1/100 scale floor plans, sections and elevations will be developed by students. They will work on 1/20 sections, 1/5 detailing regarding the solutions of problems. Each student will be expected to perform a presentation of his/her project and a written report.
Pre-requisite:MIM 606
Assessment Methods: Midterm Grade %50 **(** Midterm Exam %50+ Assignment%50) + Term Project Grade %50
Recommended Resources:
· Eren, Ö., 2007, Çelik Yapılar, Arı Sanat Yayınevi, İstanbul.
Instructor(s): Prof. Dr. Özlem Eren, Instr. İrfan Saydar

MIM 791 DEATH, ART AND SPACE
2 Hours/Week, 2 Theory, 2 Credits, 4 ECTS Credits
Objective / Contents: The aim of this lecture is to examine death as aconcept, which is one of the most effective elements by creating art, beginning from the aesthetics and philosophy and to establish its influence on literary, music, art and architecture using examples from different regions, cultures and epoch.
Pre-requisite: MIM 213
Assessment Methods: Midterm %50, final %50
Recommended Readings:
· Arredamento Mimarlık Nisan 2003,Ölüm ve Mimarlık
· Emmanuel Levinas, Ölüm ve Zaman, Ayrıntı Yayınları 2006
· Zygmunt Bauman, Ölümlülük, Ölümsüzlük ve Diğer Hayat Stratejileri, Ayrıntı Yayınları 2000
· Y.H.Gilles Veinstein, Osmanlılar ve Ölüm
· Erwin Panofsky, Tomb Sculpture
· Kaan Harun Ökten, Ölüm Kitabı (Ölüm Düşüncesinin Temel Metinleri), Agora Kitaplığı, 2010
Instructor(s): Assist. Prof. Dr. Gevher Acar

MIM 792 ARCHITECTURAL DESIGN AND ARCHITECTURAL DESIGN TEACHING THEORIES
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: This course provides a theoretical framework on the principal issues concerning the Architectural Design and its Teaching, its methods, discourses, research and practice and the study of the epistemological foundations.
The.study of the methods of teaching the "profession" of architecture at the university has been neglected and has taken a very little place within architectural research fields.
The most studied and taught subjects are limited to approaches which are concerned about the so-called "theories of architecture". That is to say the doctrines underlining the theory and methods of the architectural design "know-how" . There are several reasons which allow understanding the relative neglect of the domain of teaching "methods" investigation.
We think that the main reason is the underlining trauma suffered by the emerging of the "Design Methods" movement in the 60 ies which denied and rejected all approaches that seemed to be related directly or indirectly to a prescriptive approach of the design process. On the other hand traditionally two other forms of discourse existed to support the educational function throughout the history of architecture:

1- historical discourse,
2- treatises of architecture
The historical discourse has become a steady discipline. And this part is not the subject of interest in this course.
The form of discourse called "treaties" (from Vitruvius to Viollet le Duc in no way Alberti) has also been a steady until the middle of the twentieth century. These treaties actually met the needs of the theories in the architectural education. On the other hand, new forms of discourse and studies have appeared after the second half of the 20th architecture were directly or indirectly related to education and they expended rapidly.
After the Design Method, other researches related to cognitive movement, artificial intelligence (HA Simon), semiotics, developed during the second half of the 20 century. This course aims to study all these movements of thought. It also aims to study the different schools of thought and research which influenced with force in the education of design and architecture century. These new forms of theoretical discourse about
The outcomes of the course
1- Analysis of different theories, theories and doctrines through the most significant examples.
2 - Comparison of methodological work and epistemological foundations of different
approaches.
3 - A work of reading approaches used in university courses (in Turkey and abroad)
Pre-requisite:-
Assessment methods: Seminar participation %50, Research Paper %50.
Recommended Readings:
- Boudon Ph. Introduction à l'architecturologie, Dunod, Paris, 1992
- V. Margolin & R. Buchanan eds,The idea of design., MIT Press 1995,
- Norberg-Schultz Ch.,Genius Loci, Mardaga, Liège, 1981
- Doğrusöz U, Mimarlık tasarımının modelleştirilmesi…Doktora Tezi, 1997 MSGÜ,
- Doğrusöz U, "Work In Progress", Muammer Onat mimarlık eğitim sisteminin felsefe, ilke, teknik ve yöntemlerine genel bir bakış,(2009) Tasarım Kuram yayın aşamasında(2011)
- Boudon Ph., (1992), Introduction à l'architecturologie, Paris, Dunod.
- Boudon Ph., Deshayes Ph., Pousin F., Schatz F., (?), Enseigner la conception architecturale, cours d'architecturologie, Paris, Ed. de la Villette.
- Broadbent G., (1973), Design in Architecture Architecture and the Human Sciences, West Sussex, John Wiley and Sons.

Instructor(s): Assoc. Professor Dr. Ufuk Doğrusöz

MIM 793 SPATIAL EFFECTS OF GLOBALIZATION
2 Hours/Week, 2 Theory, 2, Credits, 3 ECTS Credits
Objective / Contents: The aim of the course is examining the change in built environment in last decades relating to globalization. The criteria for globalization, spatial identity of built environment, and cultural process are context of this course. The spatial effects of economic, social and political dimensions of globalization process will be discussed through different scales of built environment.
Pre-requisite:-
Assessment Methods: Presentation and paper submission
Recommended Readings:
Abel,C., (2000), Architecture and Identity, Architectural Press, Oxford.
Tomlinson,J.(2004). Küreselleşme ve Kültür,Ayrıntı yayınları, İstanbul
Zukin,S. , (1999). The Culture of Cities, Blackwell Publishers,Oxford.
Instructor(s): Assist. Prof. Ece Postalcı Altınkaya

MIM 794 ENVIRONMENTAL AND SPATIAL DESIGN FOR DISABLED
2 Hrs/week, 2 Theory, 2 Credits, 3 ECTS Credits.
Objective/Contents: This course aims to define the environmental and spatial problems of disabled people and to produce architectural solutions.
Pre-requisite: -
Assessment methods: exam or term project
Recommended Readings:
- Raschko, Bettyann Boetticher, Housing Interiors for the Disabled&Elderly, Van Nostrand Reinhold, New York 1991
- Holmes-Siedle, James, Barrier-free Design,Architectural Press, Oxford 1997
- Leibrock, Cynthia ;Behar. Susan. Beautiful Barrier-Kree: A Visual Guide to Accessibility, Van Nostrand Reinhold, New York. 1993
- Sürmen, Şükrü, Tekerlekli Koltuktaki insanların Hayatından Tablolar ve Bir Mimarlık Kılavuzu, ITU Yayınlan no:27, Istanbul, 1998
- Panero, Julius; Zelnik, Martin, Human Dimension & Interior Space, The Architectural Press, London, 1979

Instructor: Assoc. Prof. Dr. Gülşen Gülmez

MİM 795 ACOUSTIC DESIGN AND MEASUREMENT TECHNIQUES
5 Hours/Week, 3 Theory, 2 Application, 4 Credits, 4 ECTS Credits
Objectives/Contents: The course aims to teach noise control basics and noise control measurement on building; and teaching the factors that affects volume acoustic by using manual calculation methods and computer software.
The purpose of the course is to teach the fundamentals of acoustics, architectural acoustics, volume acoustics, acoustic measurements and measurements systems.

Students will apply their acoustics theory knowledge that learned in the class on their selected space, study that space, and prepare a final poster.
-Specifically architectural acoustics and soatial acoustics, gaining deeper understanding on subject acoustics in building designdesign
-creatting awareness about acoustics in building design as a determining factor
-gaining knowledge about environmental sounds, sound control and related regulations
-gaining the ability to make some basic architectural acoustic calculations
Pre-requisite:-
Assesment methods:
Recommended Readings:
Instructor(s): Instr. Türker Talayman

MIM 796 CONTEMPORARY ARCHITECTURAL THEORY
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The introduction of contemporary western architectural theory and philosophical approaches.
Pre-requisite:-
Assessment Methods: Midterm, final
Recommended Readings:
· Giedion, S., 2008. Space, Time and Architecture, Harvard University Press, USA
· Hays, K. M. Ed., 2000. Architecture theory since 1968, the MIT press
· Özer, B., 2009. Kültür Sanat Mimarlık, YEM Yayını, Istanbul
· Watkin, D., 1992. A History of Western Architecture, Laurence King, Great Britain
Instructor(s): Assist. Prof. Dr. Elâ Güngören

MIM 798 ARCHITECTURAL TEXT READING
2 Hours/Week,2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: To bring about an accumulation of knowledge and consciousness in students using variety of debate and questioning texts concerning architecture towards arcitectural criticism discipline, in repertoire of the last century of the history of Turkish architecture, architectura.
Pre-requisite:-
Assessment Methods: Midterm %30, final %70
Recommended Readings:
Texts according to the content of the course.
Instructor(s): Assist. Prof. Dr. Elvan Erkmen

MIM 806 ELECTIVE PRACTICE
6hours/day x 20 bussiness days, 0 credit, 4 ECTS credits
Objective/Contents: To improve technical and professional skills, Students observe various applications in the construction-site, monitore and participate in the construction process.
Pre-requisite:-
Assessment methods: Practice report
Instructor(s): Assoc. Prof. Dr. Selin Gündeş , Assist. Prof. Dr. Efe Duyan, Arş. Gör. Nur Atakul, Assist. Nihal Coşkun, Assist.Melek Kılınç

MIM 851 PASSIVE CLIMATIZATION IN ARCHITECTURE
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Informing the students about how to use the renewable sources (sun, wind, etc.) passively in designing sustainable building, building groups and inner spaces in compliance with climatization and comfort conditions; raising consciousness about decreasing the consumed energy and the amount of wastes in order to solve the problems regarding the increasing environmental pollution and the gradually running out of the natural energy sources; evaluation of energy consumption in Turkey conditions; explanation of the effects of climatic data and comfort conditions on architectural design; informing about the reduction opportunities of the energy consumed in buildings and the amount of wastes by using passive methods.
Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm exam, 1 final homework.
Recommended Readings:
· Ok V., Bina Tasarımında Pasif İklimlendirme Süreci, İTÜ, Basılmamış Ders kitabı.
· Sev A., Sürdürülebilir Mimarlık, YEM, İstanbul.
· Zeren L., Mimaride Güneş Kontrolü, Fakülteler Matbaası, İstanbul.
· Tiwari, G.N., Solar Energy: Fundamentals, Design, Modelling and Applications, May 15, 2002.
· Ewing, R.A.,Power With Nature: Solar and Wind Energy Demystified, 12 April 2003.
· Stitt, F., The Ecological Design Handbook, June 1999.
Instructor(s): Assoc. Prof. Dr. Çiğdem Tekin

MIM 852 THE CONCEPT OF SEQUENCE ON THE ARCHITECTURAL DESIGN
2 Hours/Week, 2 theory, 2 Credits, 3 ECTS Credits
Objective/Contents:

This course aims to discuss the concept of sequence and sequencial design as a ordering principle in architecture. Therefore the course provides themes related to sequence like axis, axiality, movement through space, symmetry, circulation, linear organizations and simultaneity. In the second part of the course, "path structure" is presented as a method to analyze sequencial and siultaneous design in architecture.
The course consists of two parts. In the first part (first 9 weeks), the subject headings that were pointed out in the curriculum are argued supporting with visual presentations. In the last five weeks which constitutes the second part, students will prepare a visual presentation about the subject which they determine in the lessons scope.
Pre-requisite:-
Assessment methods: Students will present their researches related with the topics of the course in midterm. According to critics, a paper will be submitted at the end of term. Final grade will be average of presentation and paper.
Recommended Readings:
· Arnheım, R.; The Dynamics Of Architectural Form
· Cullen, G.; The Concise Townscape
· Erkman, U.; Mimaride Etki Ve Görsel İdrak İlişkileri
· Gıbson, J.; The Senses Considered As Perceptual Systems
· Hesselgren, S.; Man's Perception Of Man-Made Environment
Instructor(s): Assist. Prof. Dr. M. Kerem ÖZEL

MIM 853 AN INQUIRY ON IDENTITY IN TURKISH ARCHITECTURE: HISTORICIST REGIONALIST AND TRADITIONALIST INTERPRETATIONS
2 Hrs\Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: The explanation of how historicism, regionalism and traditionalism appears in the work of Turkish architects
Pre-requisite:-
Assessment methods: Midterm %30, Final %70
Recommended Readings:
· Bülent Özer, Kültür Sanat Mimarlık, YEM Yayını, İstanbul
· David Watkin, A history of western architecture, Laurence King, 1992, Great Britain
Teaching Staff: Assis. Prof. Dr. Ela Güngören

MIM 854 THE TRADITION OF INTERPRETATION IN TURKISH ARCHITECTURE AND A HISTORICAL APPROACH TO DESIGNS COVERING THE TRADITIONAL TURKISH HOUSE
2 Hrs\Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: To examine the meaning of the traditional house in history of Turkish architecture in interpretation affords in cronologically.
Pre-requisite:-
Assessment methods: Midterm %30, Final %70
Recommended Readings:
Publications by [Akpolat,M.], [Abel, C.], [Alsaç, Ü.], [Aslanoğlu, İ.],[Balamir,A.], [Batur, A],[Bozdağan,S.],[Can, Cengiz], [Cansever T.],[Çinici.B.],[Eldem, .],[Erkmen,E.],[Ergül,E.],[Gökçe,P],[KUBAN, D.],[Paecher, C.],[Özer, B.], [Özer,F.],[Sezgin, H.], [Sözen, M.],[Tanyeli,U],[Turgut,H.],[Vanlı,Ş.],[Yavuz,Y.],[Yücel,A.].
Teaching Staff: Assist. Prof. Dr. Elvan Erkmen

MIM 855 DAYLIGHTING IN ARCHITECTURE
4 Hrs\Week, 3 Credits, 3 ECTS Credits
Objective/Contents: This course aims to convey information to the students about the level that the natural lighting methods in architecture have reached today, natural lighting techniques and forms of natural lighting usage in architecture.
Prerequisite: -
Assessment methods: Theoretical course and discussion on term projects, midterm exam and final exam, evaluation of term projects.
Recommended Readings: Reading list updated each semester is given to the students during the lecture.
Teaching Staff: Prof. Dr. Kemal Çorapçıoğlu, Asist. Prof. Dr. Genco Berkin

MİM 856 PROJECT PLANNING AND MANAGEMENT
4 Hours/Week, 2 Theory, 2 Application, 3 Credits, 3 ECTS Credits
Objectives/Contents: Teaching the fundamentals of project planning and management, and focusing on their proposed solutions.
- Teaching the basic principles of project planning and management
- Teaching cost calculation methods
- Teaching analysis of alternative solution proposals
- Teaching techniques and methods that helps decision making process

Instructor(s): Prof.Dr.Sema Ergönül

MIM 857 ECOLOGICAL BUILDING PROJECT
4 Hours/Week, 2Theory, 2Studio, 3 Credits, 4 ECTS Credits

Objective / Contents: To awaken the idea of environmental sensitivity in architectural design and to present the principals of ecological design. Ecological design concept, design according to climate input, usage of ecological material, design with life-cysle approach form the contents of the course.
Pre-requisite:-
Assessment Methods: Midterm Grade%30 **(**Assignment %25+ Presentation %25+ Project %50) + Final Grade %70 (Assignment%30 + Project %70)
Recommended Resources:
· Sev, A., (2009). Sürdürülebilir Mimarlık, YEM Yayın, İstanbul.
· Gissen, D., (2002). Big & Green: Towards Sustainable Architecture in the 21st Century, Princeton Architectural Press, New York.
· Yeang, K. (2008). Ecodesign: A manual for Ecological Design, Wiley, New York.
· Jones, D. L., (1998). Architecture and the Environment: Bioclimatic Building Design, Laurence King Publishing, London.
· Recent Turkish periodicals about architecture
· Recent scientific articles, from international periodicals
Instructor(s): Prof. Dr. Ayşin Sev, Instr. Nurdan Orhan

MIM 859 BUILDING INFORMATION MODELLING II
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: Improving the knowledge and skills learned in BIM I. The course aims to teach Building Information Modeling (BIM) and 3D design principles via BIM in project design.
By using BIM, students are expected to do 2D & 3D drawing & design, technique and aesthetic illustration of their buildings, understanding –introducing- presenting the building in a professional way.
Pre-requisite:-
Assesment methods:
Recommended Readings:
Başer,Tuğba ; Revit Architecture 2015 Ders Notları
Instructor(s): Assist.Prof.Dr.Eser Yağcı

MİM 860 LANDSCAPE PROJECT
4 Hours/Week, 2 Theory, 2 Application, 3 Credits, 4 ECTS Credits
Objectives/Contents: The course focuses on sustainable landscape, history of landscape, landscape in different scales such as city, neighborhood, residence, landscape design project, landscape application projects and reports.
-sustainable landscape
-historical background of landscape design
-landscape approaches in city, district , housing and detail scales
-landscape design project
-landscape application project and reports
Pre-requisite:-
Assesment methods: 40% midterm+60% final assignment
Recommended Readings:
-Seçkin, N.P., Seçkin, Y.Ç., Seçkin, Ö.B., 2011. Sürdürülebilir Peyzaj Tasarımı ve Uygulama İlkeleri. Literatür, İstanbul.
-Seçkin, Ö.B., 2004. Peyzaj Konstrüksiyonu Cilt I. (Landscape Architecture Construction Volume I). İ.Ü. Orman Fakültesi Yayını No: 4508/480, ISBN 975-404-464-3, İstanbul.
-Seçkin, Ö.B., 2003. Peyzaj Uygulama Tekniği. Geliştirilmiş ve Güncelleştirilmiş İkinci Baskı (Techniques of Landscape Architecture, Second Edition). İ.Ü.Orman Fakültesi Yayını No: 4105/453, ISBN 975-404-507-0, İstanbul.
Instructor(s): Prof.Dr. Ö.Bülent SEÇKİN, Assoc. Prof. Dr. Papatya Seçkin

MIM 862 MODEL TECHNOLOGIES
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: Teaching scale model production techniques and helping students gaining application skills.
- Based on the form and function of scale model, helping students to choose appropriate material, and process techniques, and developing presentation skills.
- Helping students to develop 3D thinking skills by understanding the relationship between space-product and the relationship between size-scale.

Pre-requisite:-
Assesment methods: Assignment
Recommended Readings:
Instructor(s): Instr. Ali Özbey

MIM 863 THE SEMIOTICAL APPROACHES FOR ARCHITECTURE. DESCRIPTİON OF THE ARCHITECTURE AND THE SOCIO-CULTURAL BEHAVIOURS AND MEANINGS IMPLIED BY THE DESIGNED ENVIRONMENTS : THEORİES, METHODS AND PRINCIPLES
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: This course provides a theoretical framework on the principal issues concerning the semiotical issues on the Architecture, the diverses methods, discourses, research on this subject called “The semiotic description (signs and meanings) of the architecture and the "life in it." :
Architectural "Products"-features and the live forms that they include and the living arrangements they offer are complex phenomena. Analysis of architectural works includes several levels of description ranging from morphological to social phenomena,

as well as cultural and symbolic aspects of these works. Acquiring a solid foundation of methods adapted to multitude of levels of analysis, and tools for theoretically stable description tools is the main objective of this course.
We propose to do to present the evolution of descriptive approaches that have emerged from the 60s. Semiotics is the generic name of these views and multi-dimensional fields of study addressed by several theoretical approaches. We will look to the beginning at to appearance of semiotic approaches in the late 19th century (Peirce and Saussure) up to the the second half of the 20th studying the principles inspired by theoretical linguistics and logic,we will discuss the variations and the adaptations of the semiotics in the field of architecture.
Pre-requisite:-
Assessment methods: The courses include the theory presentations, reading, reading a prepared and final drafting work on one or more works, content reports and workshops.
Recommended Readings:

· Boudon Ph. Introduction à l'architecturologie, Dunod, Paris, 1992
· V. Margolin & R. Buchanan eds,The idea of design., MIT Press 1995,
· Norberg-Schultz Ch.,Genius Loci, Mardaga, Liège, 1981
· Norberg-Schultz Ch., La signification dans l'architecture occidentale, Mardaga, Liège, 1977
· Jackson L, the Poverty of structuralism, litterature and structuralist theory, Longman, New York, 1991
· R. Barthes, Eléments de sémiologie, Communications, 4, Seuil, 1964,
· A. J. Greimas, Sémantique structurale, Larousse, 1966.
F. Choay, La règle et le modèle, Paris, Seuil, 1980

Instructor(s): Assoc. Professor Dr. Ufuk Doğrusöz

MIM 864 ELECTIVE ARCHITECTURAL DESIGN STUDIO I
12 hours/week, 8 application, 4 theory, 8 credits , 9 ECTS credits
Objective / Contents:
This course prepares students to Architectural Project courses. The course, intended for students who are not entitled to take architectural project courses, aims to provide the student with required methodology for project-making and design theory approaches. The project practice maintains;

- Methodological thinking, programming, developing creativity, ability of doing synthesis and reaching a final project by evaluating the options, in educational platform.

Ability of using and evaluating all the knowledge, methodology and capability gained from every discipline throughout the educational process, in professional platform.
A project regarding one or more subjects can be created, taking into consideration the close range site plan data and a modest building program.
Pre-requisite:
Assessment Methods: Mid-term grade is created by taking the average of the two highest among the three grades of three sketching exams. Term grade is determined by the evaluation of mid-term grade along with term exam grade.
Recommended Readings:
All printed or digital material (books, periodicals, etc.) in the field of architecture and in fields related to architecture.
Instructor(s): Prof. Esad Suher, Prof. Ruşen Dora, Prof. Mete Ünal, Prof. Ataman Demir, Prof. Nursel Onat, Prof. Halit Yaşa Ersoy, Prof. Dr. Kemal Çorapçıoğlu, Prof. N. Oğuz Özer, Assoc. Prof. F. Gülşen Gülmez, Prof. Kayahan Türkantoz, Assoc. Prof. Ahmet Tercan, Assist. Prof. Rıdvan Kutlutan, Assist. Prof. Kaya Sönmezler, **):** Assoc. Prof. Dr. Nezih. R. Aysel*, Assist. Prof. M. Kerem Özel, Assist. Prof. Özgür Bingöl, Assist. Prof. Alp Sunalp, **):** Assoc. Prof. Dr. Figen Kafesçioğlu, Assist. Prof. R. Gökhan Koçyiğit, Instr. N. Erdal Özyurt,Instr. Dr. M. Nihat Gök, Instr. Yaşar Marulyalı, Instr.Kutyar Özer, Instr. Sinan İzgi, Instr. Yılmaz Değer, Instr. Cem Sorguç

MIM 865 ELECTIVE ARCHITECTURAL DESIGN STUDIO 2
12 hours/week, 8 application, 4 theory, 8 credits , 9 ECTS credits
Objective / Contents:
This course is offered for students who have completed all Architectural Project studios. The goal of the course is to make the student work on a specialized project before the Diploma Project. The project course aims to provide the student with;

- Methodological thinking, programming, developing creativity, ability of doing synthesis and reaching a final project by evaluating the options, in educational platform.
- Ability of using and evaluating all the knowledge, methodology and capability gained from every discipline throughout the educational process, in professional platform.

The student exhibits cultural and professional development throughout the project on which s/he is working. S/he develops and uses all knowledge and ability s/he gained during architectural education in Architectural Project course by;

- Generating space in a large-scale subject
- Resolving architectural problems
- Working inter-disciplinarily
- Using programs belonging by-disciplines
- Preparing project reports
- Developing 3-D composing abilities

A pre-diploma project on a wide-scoped, large-scaled subject is executed demanding independent decision-making and designing of the student.
Pre-requisite: MIM 705
Assessment Methods: Mid-term grade is created by taking the average of the two highest among the three grades of three sketching exams. Term grade is determined by the evaluation of mid-term grade along with term exam grade**.**

Recommended Readings: All printed or digital material (books, periodicals, etc.) in the field of architecture and in fields related to architecture**.**

Instructor(s): Prof. Esad Suher, Prof. Ruşen Dora, Prof. Mete Ünal, Prof. Ataman Demir, Prof. Nursel Onat, Prof. Halit Yaşa Ersoy, Prof. Dr. Kemal Çorapçıoğlu, Prof. N. Oğuz Özer, Assoc. Prof. F. Gülşen Gülmez, Prof. Kayahan Türkantoz, Assoc. Prof. Ahmet Tercan, Assist. Prof.Rıdvan Kutlutan, Assist. Prof.Kaya Sönmezler, Assist. Prof.Nezih. R. Aysel*, Assist. Prof.M. Kerem Özel, Assist. Prof.Özgür Bingöl, Instr. N. Erdal Özyurt, Instr. Dr. M. Nihat Gök, Instr. Yaşar Marulyalı, Instr.Kutyar Özer, Instr. Sinan İzgi, Instr. Yılmaz Değer, Instr. Cem Sorguç

MIM 866 RESTORATION OF TRADITIONAL TIMBER HOUSES

2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits

Objectives/Contents: Every type of timber construction housing built by traditional methods and other construction systems, methods of construction, exterior and interior wall sidings, roof structures and roofings, ceiling ornaments, fringes, doors, windows. Interior design and finishes. Building purposes of these elements and authentic or contemporary and principles and techniques of restoration according to their situation. Lecture of traditional timber housing restoration examples and data evaluation for structural and architectural restoration.

Pre-requisite:-

Assesment methods: Mid-term evaluation grade is determined due to the oral presentations where as final grade is determined due to the text and the mid-term presentation accordance.

Recommended Readings:

- Eldem, S. H. "Yapı", İDGSA yayını,
- Günay, R., "Geleneksel Ahşap Yapılar, Sorunları ve Çözüm Yolları". Birsen yayınevi, 2002
- Eriç, M., "Dünün ve Bugünün Ahşap ve Ahşaptan Üretilmiş Malzeme", İTÜ yayını.
- Blaser, W. (1980). "Wood Houses Form in Rural Architecture". Wept&Co. Verlag Basel. CIRIA (1986). Report 111 "Structural Renovation of Traditional Buildings". CIIA London

Instructor(s): Assist. Prof. Dr. Tülay Çobancaoğlu,

MİM 867 ARCHITECTURAL LIGHTING DESIGN PROJECT

2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits

Objectives/Contents: The course introduces artificial lighting design and projects techniques. It aims to help students understand light production basics and differences in light sources and teaching them using this knowledge in aesthetic, unique and effective lighting design.

Students are expected to learn lighting terminology, being able to literature review in this subject and collect data, analyzing collected data.

Pre-requisite:-

Assesment methods: Poster Presentation about subject architectural lighting

Recommended Readings:

Instructor(s): Instr. Hilal Divanoğlu

MIM 868 ACTIVE SOLAR ENERGY IN BUILDINGS

2 Hours/week, 2 theory, 2 credits, 3 ECTS credits

Objective / Contents: Including the active solar energy systems in architectural projects structurally; explaining different types of solar collectors; informing the students about storage methods of collected energy, water heating, space heating and cooling; integrating planar and photovoltaic panels into the building; analyzing the implemented applications.

Prerequisite: -

Assesments Methods: Theoretical lectures and 1 midterm exam, 1 midterm homework, 1 midterm presentation, 1 final homework, 1 final project.

Recommended Readings:

- Anon., ASHRAE Handbook of Fundamentals, New York.
- Anon., Energy Home Design in four Climates, (1975), Total Environmental Action, New Hampshire.
- Duffıe, J. A.,and Beckman, W. A., (1974), Solar Energy Thermal Process, John Wiley & Sons, Toronto.
- Ramsey, C.G., and Sleeper, H. R., Architectural Graphic Standards, The American Institute of Architects, John Wiley & Sons, New York.
- Szkolay, S.V., (1975), Solar Energy and Building, John Wiley &Sons, New York.
- Uyarel, Y. Ve ÖZ, S. E., (1987), Güneş Enerjisi ve Uygulamaları, Birsen Yayınevi.
- Yellott, J., ve Elagoz, A., (1976), Yapıların Isıtılması ve Soğutulması İçin Güneş ve Gök Işınımlarının Kullanılması, Boğaziçi Üniversitesi Matbaası, İstanbul (çeviri).
- Watson, D., (1977), Designing and Building A Solar House, The Village Press.

Instructor(s): Assoc. Prof. Dr. Ayşe Elagöz

MIM 7500 DETAIL DESIGN 2

4 Hours/Week, 2Theory+2Studio, 3 Credits, 4 ECTS Credits

Objective / Contents: To help students attaining the ability to analyze, evaluate and choose between building component and element alternatives according to certain design parameters (design requirements, constraints, context, performance requirements) ; developing architectural detail solutions and; integrating the building elements to the whole building system, in detailed design stage of timber and steel frame buildings.

Pre-requisite:-

Assessment Methods: Midterm Grade %40 + Term Project Grade %60
Recommended Resources:
· Allen, E., (2003), "Fundamentals of Building Construction: Materials and Methods", John Wiley&Sons.
· Allen, E., (2006), "Architectural detailing: function, constructability, aesthetics", JohnWiley&Sons.
· Bachman, L. R., (2002), "Integrated Buildings: The Systems Basis of Architecture", John Wiley & Sons.
· Bayazıt, N., (1994), "Endüstri Ürünlerinde ve Mimarlıkta Tasarlama Metodlarına Giriş", Literatür.
· Binan, M., (1998), "Ahşap Çatılar", Birsen Yayınevi, İstanbul.
· Blanc, A., (1996), "Internal Components", Longman.
· Bohe, W.M., (1972), "Dacher", Verlagsanstalt Alexander Koch GmbH, Stuttgart.
· Bohe, W.M., (1976), "Innenausbau", Verlagsanstalt Alexander Koch GmbH, Stuttgart.
Instructor(s): Asst. Prof. Dr. Ömer Ş. Deniz

MIM 7501 ECOLOGICAL MATERIALS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: The aims are to get the students to comprehend the importance of material selection, made during designing phase, full of social responsibility in terms of human and natural environment health; to explain the importance of supporting the environmental and cultural conservation awareness as well as the concept of ecology with the ecologically sustainable design; within the framework of "human-building-environment" relationship, to examine the effect of the building to the human needs, natural environment and urban construction; to get the students to comprehend the effect of materials, throughout their life cycles, to the environmental values; to provide skills to make ecological critiques on materials.
Prerequisite: -
Assesments Methods: Theoretical lectures and 1 midterm exam, 1 midterm homework, 1 final exam.
Recommended Readings:
· Berge B., The Ecology of Building Materials, Taylor & Francis, 2009.
· Harris C., Ecological Building Design and Materials, Centre for Alternative Technology Publications, 2004.
· Gallo P., Progettazione Sostenibile, Alinea Editrice, 2005.
· http://buildingbiology.net "INSTITUTE FOR BAU-BIOLOGIE & ECOLOGY"(IBE)
· Eriç, M., "Yapı Fiziği ve Malzemesi", Literatür Yayınları, 2002.
· http://www.who.int/en "WHO - World Health Organization"
Instructor(s): Assoc. Prof. Dr. Nazire Papatya Seçkin

MIM 7502 THEATRE ARCHITECTURE AND STAGE DESIGN
4 Hours/Week, 3Theory, 1 application, 3 Credits, 4 ECTS Credits
Objective/Contents: The objective of the course is to achive a level of understanding on theory and history of theatre buildings, stage design and performing arts in the course of human history from primitive times to 21st century. It is also the aim of this course to achive a level of understanding on basic principles of theatre buildings and stage design in a theoretical and applied context.The course introduces definitions related to theatre buildings, stage design and performing arts through examples, explanations and analysis. The course also contains history of theatre buildings, stage design and performing arts in relation to aesthetics, spatial applications of theatre buildings and stage design and discussions about these applications. Design and technical principles of theatre buildings and stage design will be discussed with the assistance of extensive visual and audio examples from theatre history and stage productions.
Pre-requisite: -
Assessment methods: Mid term exam (%30), two presentation (%30), term project (%40).
Recommended Readings:
· Dünden Bugüne Tiyatro Düşüncesi, Sevda Şener
· Yirminci Yüzyılda Öncü Tiyatro, Ayşin Candan
· Boş Mekân, Peter Brook
· Sahne Bilgisi, Özdemir Nutku
· Karşı Notlar, Aykut Köksal
· Dekor ve Kostümlü Anılar, Osman Şengezer
Instructor(s): Assist. Prof. Dr. M. Kerem ÖZEL

MIM 7503 VISUALIZATION AND PRESENTATION IN ARCHITECTURAL DESIGN
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective / Contents: Improving the skills of visualization in architectural design and presentation**.** The practical expression and preparing a high graphic valued and plain presentation with the ready materials.
Prerequisite:-
Assesments Methods: 40% midterm+60% final assignment
Recommended Readings: GNOMON W. DVD
Instructor(s): Instr. Ahmet Korfalı

ENF 401 COMPUTER AIDED DRAWING AND DESIGN
2 Hrs\week, 2 Theory, 2 Credits, 3 ECTS Credits
Objective/Contents: This course is a study on the usage of computer in architectural design. Emphasis is on providing skills for the student such as the ability of using digital representation techniques.
Pre-requisite: -

Assessment methods: Final exam
Recommended Readings:
Teaching Staff: Instr. Sertaç KARSAN ERBAŞ

MFA 100 COMPERATIVE DESIGN ARCHITECTURE AND PLANNING STUDIES
3 Hours/Week, 1 Theory, 2 application,2 Credits, 3 ECTS Credits
Assesment methods: Studio design project presentation
Recommended Readings:
Instructor(s): Assoc. Prof. Dr. Selin Gündeş, Assist. Prof. Dr. Tolga Sayın, Assist. Prof. Dr. Binnur Kıraç, Assist. Prof. Dr. Alp Sunalp

PLN 854 URBAN DESIGN AND URBAN PROJECTS
2 Hours/Week, 2 Theory, 2 Credits, 3 ECTS Credits
Objectives/Contents: Teaching all the dimensions of urban planning by relating urban planning (and urban design)to architectural scale in design process. The course aims to teach urban preservation, urban renewal, urban transformation, and urban design via studying national and International case studies.
Pre-requisite:-
Assesment methods: midterm, term project, application & presentation
Recommended Readings:
Carmona, M, Heath, T.Oc. Tiesdell, T. (2003), Public Places, Urban Spaces, Architectural Press.
Castells, M., Borja, J. (1996), Global & Local Strategic Plans and Metropoliten Projects.
Instructor(s): Prof.Dr. Güzin Konuk