ECTS COURSE INFORMATION FORM

School/Faculty/Institute	**Faculty of Arts, Design and Architecture**	
Program	**Bachelor's Degree in Interior Design**	**Must Course**
Semester	**Spring 2016-2017**	

Course Code	**INT 232**			
Course Title in English	**Material and Detail in Design II**			
Course Title in Turkish	**Tasarımda Malzeme ve Detay II**			
Language of Instruction	**English**			
Type of Course	**Lecture**			
Level of Course	**Undergraduate**			
Semester	**Spring**			
Contact Hours per Week	**Lecture: 3**	**Recitation:**	**Lab:**	**Studio:**
Estimated Student Workload				
Number of Credits	**5 ECTS**			
Grading Mode	**Standard Letter Grade**			
Pre-requisites	**None**			
Expected Prior Knowledge	**None**			
Co-requisites	**None**			
Registration Restrictions	**Only Undergraduate Students**			
Overall Educational Objective	The aim of this course is to introduce students with the idea of materiality in design, to learn and understand the world of materials as a direct input in design, in relation with detailing principles. Exploring and reading the various use of different materials in building and interior design, learning how to integrate material into the design process with correct detailing of the chosen materials are in the goals of the course.			
Course Description	The course begins with an introduction to materiality, discussing the role and importance of materials in design and detailing. Then physical aspects of materials, the relation of the technological development and materials, phenomenological effects of material evolution are introduced followed by a general introduction to the nature of materials and categorizing materials into various ranges, like physical categories such as hard materials, soft materials or according to their sources, such as grown, oil-based or mined, or according to their area of use. Then main materials of construction used both in architecture and interior design are introduced each week by discussing significant characteristic of the material, going through a wide a selection of examples of creative use of the material, and exploring the detailing belonging to that material. The main materials introduced through the course are traditional architectural materials such as stone, brick, more contemporary materials; concrete, glass, wood, metals and composite materials. The course is finalized by 4 weeks of studio work where students are expected to materialize and detail their own current design studio works.			
Course Description in Turkish	Ders tasarımın en önemli bileşenlerinden olan malzeme ve onun detaylandırılmasına ilişkin genel ve detaylı bilgileri, malzeme kültürü, malzemenin tarihsel gelişimi ve onun inşa edilmiş çevreye etkilerini tartışarak başlar. Sonrasında malzemelerin fiziksel özelliklerine göre, kaynaklarına göre ya da kullanım alanlarına göre değişik sınıflandırmaları üzerinde durulur. Sonrasında mimarlık ve iç mimarlık tarihinde kullanılmış belli başlı malzemeler her hafta tek tek, o malzemenin önemli özellikleri, kullanım biçimleri, çeşitleri ve yaratıcı kullanımına örnek olabilecek çok fazla uygulanmış örnek üzerinden detaylandırma prensipleri tartışılarak ele alınır. Ders boyunca malzemeler taş ve tuğla gibi geleneksel malzemeler, ya da beton, cam, metal, ahşap ve kompozit			

	malzemeler gibi daha güncel malzemeler haftalık konular olarak işlenir. Ders son 4 haftasında öğrencilerin kendi mimari veya iç mimari stüdyolarında ürettikleri projelerini malzeme seçimleri ve detaylandırma üzerinden geliştirecekleri bir stüdyo süreci ile sonlanır.
Course Learning Outcomes and Competences	Upon successful completion of the course, the student is expected to **1.** Understand the role of materials providing both physical and spiritual dimension in design, learning about the concept of materiality. **2.** Develop the ability to choose appropriate materials and bring them together in a correct way while designing a project. **3.** Gain basic awareness of the students about the natures and potentials of the construction materials and ability to use the appropriate materials for detail design.

Relation to Program Outcomes and Competences: N=None S=Supportive H=Highly Related

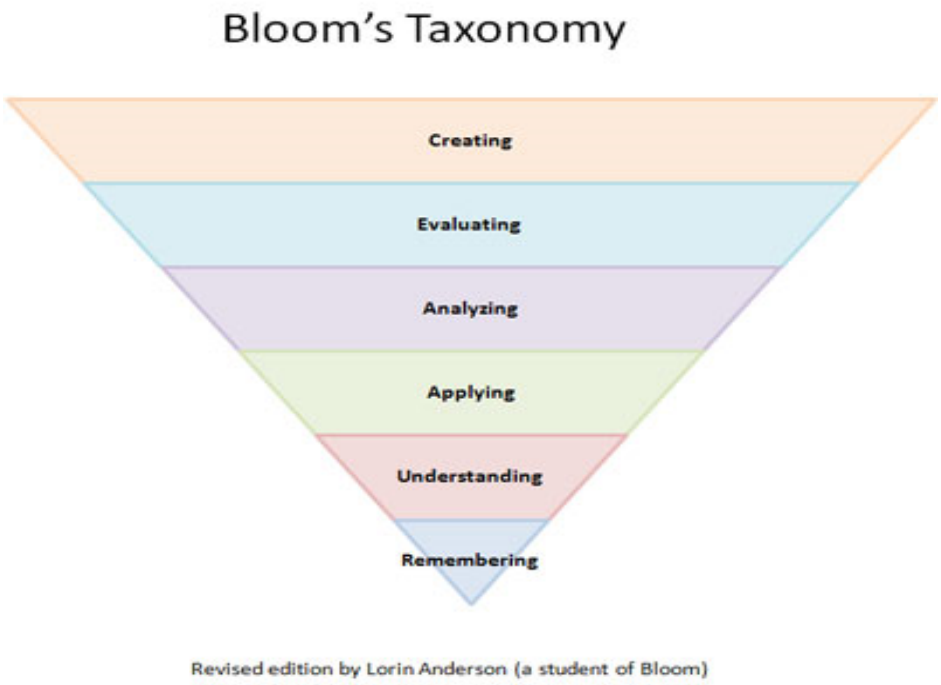
Program Outcomes and Competences	Level	Assessed by
	N/S/H	Exam, HW, Seminar.
1- Türkçe ve İngilizce dillerini etkin okuma, yazma, dinleme ve konuşabilme becerileri. İngilizce dilinde B2 European Language Passport level düzeyi.	**S**	Discussions in class
2- Mekan-insan ilişkisinde algısal, deneyimsel ve davranışsal boyutlara dair edindiği bilgi ve kavrayışı iç mekan tasarımında girdi olarak kullanabilir.	**S**	
3- İç Mimarlık mesleğini, hızla değişen kavrayış ve kuramlar ışığında yeni açılımlarla ele alabilir.	**S**	
4- Mekan tasarımına dair bağımsız ve eleştirel bir bakış açısı geliştirir.	**S**	Assignments, studio work
5- Disiplinlerarası araştırma ve tasarlama prensiplerini, kendi alanında karşılaştığı problemlerin çözümünde etkin olarak kullanır.	**S**	
6- Farklı kaynaklardan edindiği bilgi ve içgörüleri, iç mekan tasarım problemlerinin çözümüne yönelik olarak bir araya getirme ve yaratıcı sentezlere ulaşma becerisi kazanır.	**S**	Readings, assignments
7- İç Mimarlık mesleğinin uygulanmasında giderek önem kazanan sosyal sorumluluk bilincine ve iç mimari üretimlerin sürdürülebilirlik esasına uygun olarak tasarlanması için gereken etik ve metodolojik donanıma sahiptir.	**H**	Assignments, studio work
8- Mekan üretim ve tasarımını toplumsal ve etik bir pratik olarak benimser ve irdeler.	**S**	
9- Tasarımda inovasyon için gereken girişimcilik, yenilikçilik, araştırmacılık, yaratıcı düşünce ve liderlik gibi özelliklere sahiptir.	**H**	Assignments, studio work
10- İç mimari tasarım problemlerinin çözüm sürecini disiplinlerarası işbirliklerine açık bir biçimde ve yerel, ulusal ve küresel bağlamların getirdiği çok ölçekli ilişkiler çerçevesinde yürütür.	**S**	
11- Tasarım fikirlerini görsel, sözel ve yazınsal mecralar içinde sunabilir ve analog ve dijital temsil araçlarını yetkinlikle kullanarak ulusal ve uluslararası ortamlarda paylaşabilir.	**S**	Assignments, presentations
12- Farklı kullanıcı ihtiyaçlarına, yerel ve bölgesel değerlere, doğal ve kültürel mirasa saygılı, duyarlı ve sürdürülebilir tasarımlar yapabilir.	**H**	Studio work
13- İç mimarlık ve çevre tasarımının toplumsal rolünün ve öneminin bilinci içerisinde geleceği şekillendirme hedefine sahiptir.	**S**	
14- Entelektüel bir meslek insanı olma hedefine yönelik olarak, kişisel yaşam boyu öğrenme gereksinimlerini belirler ve bunu sağlamak amacıyla meslek alanı içindeki ulusal ve uluslararası düzeyde birey ve gruplarla iletişim kurabilir.	**S**	
15- İç Mimarlık alanındaki ulusal ve uluslararası standartlara, mesleki etikete, yönetmeliklere ve yasal mevzuata uygun proje uygulamaları yapabilir.	**S**	Assignments, studio work
16- Yeni düşünme ve yapma biçimlerini ve yeni kuramsal bakış açılarını öğrenebilmek amacıyla en güncel araştırmaları, buluşları, eğilimleri ve teknolojileri takip edebilir.	**H**	Research, seminars
17- Güncel mekansal, çevresel, kentsel ve toplumsal sorunları saptama ve değerlendirme, bunlardan yola çıkarak tasarım problemleri tanımlayabilme, çözüm geliştirebilme ve ilgili paydaşları bilgilendirerek farkındalık yaratma becerisine sahiptir.	**S**	Readings, assignments, seminars

Name of Instructor	Aslı Şener	
Course Contents	Week	Topic
	1.	**Introduction to materiality** *The role and importance of materials in design and detailing*
	2.	**History of materials** Ph*ysical aspects, the relation of the technological development and materials, phenomenological effects of material evolution*
	3.	**Nature of materials** *Hard materials, soft materials, various ranges.*
	4.	**Stone and Brick** *Historical background, function, alternative uses, technical properties, detailing and installation methods*
	5.	**Concrete** *Historical background, function, alternative uses, technical properties, detailing and installation methods*
	6.	**Wood** *Historical background, function, alternative uses, technical properties, detailing and installation methods*
	7.	**Metal** *Historical background, function, alternative uses, technical properties, detailing and installation methods*
	8.	**Workshop week**
	9.	**Glass** *Historical background, function, alternative uses, technical properties, detailing and installation methods*
	10.	**Composite Materials** *Historical background, function, alternative uses, technical properties, detailing and installation methods*
	11.	**Studio Work**
	12.	**Studio Work**
	13.	**Studio Work**
	14.	**Studio Work**
Required/Recommended Readings	Sources: Gesimondo, N. and Postell, J . (2011). Materiality and Interior Construction. John Wiley & Sons, Inc., Hoboken, New Jersey. Bell, V. B. (2006). Materials in Design. Princeton Architectural Press, New York. Bell, V. B. (2014). Materials in Design 2. Princeton Architectural Press, New York. Lefteri, C. (2014). Material for Design. Laurence King Publishing, London Schröpfer, T. (2011). Material Design.Informing Architecture by Materiality. Birkhäuser, Basel.	

Teaching Methods	Flipped classroom, in-class studies, discussions.
Homework and Projects	1 final assignment, 6 research assignments
Laboratory Work	-
Computer Use	Yes
Other Activities	Research work, video screening
Assessment Methods	Attendance and Participation: % 30 Assignments: % 25 Notebooks: % 15 Final Assignment: % 30
Course Administration	Office: Adjunct Faculty Office, Block A, Floor5, Email: senera@mef.edu.tr Students are required to attend % 80 of the classes in theoretical courses. Consequently, absenteeism exceeding 3 weeks (classes) will result in failure.

ASSESSMENT METHODS AND CRITERIA			ECTS / WORKLOAD			
Semester Requirements	**Number**	**Percentage of Grade (%)**	**Activities**	**Number**	**Duration (hours)**	**Total Workload**
Attendance / Participation	**1**	**30**	**Course Hours (Including Exam Week)**	**14**	**3**	**42**
Laboratory			**Laboratory**			
Practice / Exercise			**Practice / Exercise**			
Field Work			**Field Work**			
Project	**1**	**30**	**Project**			
Homework Assignments			**Homework Assignments**			
Presentation / Jury			**Preparation for Presentation / Jury**	**1**	**40**	**40**
Course Specific Internship			**Course Specific Internship**			
Other Practices (Seminar, Studio Crits, Workshop, etc.)	**7**	**25**	**Other Practices (Seminar, Studio Crits, Workshop, etc.)**	**4**	**3**	**12**
Extra-Class Activities (Reading, Individual Work, etc.)	**12**	**15**	**Extra-Class Activities (Reading, Individual Work, etc.)**	**7**	**3**	**21**
Mid-Terms / Oral Exams / Quizes			**Mid-Terms / Oral Exams / Quizes(Exam Hours and Preparation)**			
Final Exam			**Final Exam (Exam Hours and Preparation)**			
TOTAL		**%100**	**TOTAL WORKLOAD**			**115 Hours 5 ECTS**
1 ECTS = 23 hours workload						

Key verbs for cognitive domain in writing learning outcomes and competences:



Key Verbs:

Remembering: defines, describes, identifies, knows, labels, lists, matches, names, outlines, recalls, recognizes, reproduces, selects, states.
Understanding: comprehends, converts, defends, distinguishes, estimates, explains, extends, generalizes, gives an example, infers, interprets, paraphrases, predicts, rewrites, summarizes, translates.
Applying: applies, changes, computes, constructs, demonstrates, discovers, manipulates, modifies, operates, predicts, prepares, produces, relates, shows, solves, uses.
Analyzing: analyzes, breaks down, compares, contrasts, diagrams, deconstructs, differentiates, discriminates, distinguishes, identifies, illustrates, infers, outlines, relates, selects, separates.
Evaluating: appraises, compares, concludes, contrasts, criticizes, critiques, defends, describes, discriminates, evaluates, explains, interprets, justifies, relates, summarizes, supports.
Creating: categorizes, combines, compiles, composes, creates, devises, designs, explains, generates, modifies, organizes, plans, rearranges, reconstructs, relates, reorganizes, revises, rewrites, summarizes, tells, writes.

Key verbs for affective domain in writing learning outcomes and competences:

Receiving Phenomena: asks, chooses, describes, follows, gives, holds, identifies, locates, names, points to, selects, sits, erects, replies, uses.
Responding to Phenomena: answers, assists, aids, complies, conforms, discusses, greets, helps, labels, performs, practices, presents, reads, recites, reports, selects, tells, writes.
Valuing: completes, demonstrates, differentiates, explains, follows, forms, initiates, invites, joins, justifies, proposes, reads, reports, selects, shares, studies, works.
Organizing: adheres, alters, arranges, combines, compares, completes, defends, explains, formulates, generalizes, identifies, integrates, modifies, orders, organizes, prepares, relates, synthesizes.
Internalizing values: acts, discriminates, displays, influences, listens, modifies, performs, practices, proposes, qualifies, questions, revises, serves, solves, verifies.