

internal subdivision systems

MIM 270E

2013/2014 Spring Term

Tuesday: 9.30-12.30

Assoc. Prof. Dr. Aslihan TAVIL**Res. Assist. Dr. Ecem Edis**

OBJECTIVE

The objective of the course is to bring the students to gain detailed theoretical and practical knowledge on internal sub-division systems and their components, and to be able to design internal sub-division systems (interior walls, suspended systems, interior doors, raised floors, etc.) in detail by considering basic criteria.

CONTENT

The course will be carried out with theoretical lectures; researches, analyses and presentations made by students; practical work at an internal subdivision systems' company; studio work supported by the technical knowledge gained through researches, homework, presentations, practical work and theoretical lectures.

The content of the course:

- Internal sub-divisions in building - division and separation walls, demountable walls, floors and ceilings
- Performance requirements of internal sub-division systems - environmental factors, performance requirements determined with regard to their basic functions, and their performance in place
- Physical analysis of division and separation walls, floors, and ceilings
- Market research on products used in internal sub-division systems and their application, and presentation of the research
- Viewing the construction of interior walls and suspended ceilings, and practicing to assemble them
- Forming, dimensioning, jointing and integration of these elements
- Studio work: design and/or evaluative alternative solutions, selection, detailing

GRADING POLICY

Final grade: Mid-term exam (20%) + presentation (15%) + application reports, assignments and class attendance (25%) + design project (40%)

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WEEKLY PROGRAM

Week/Date	SUBJECTS	Homework
1 11.02	Introduction of the course, Performance requirements and main classifications of internal subdivision systems	-
2 18.02	Internal walls - classifications and application details	Report 1: Analysis of internal subdivision system projects (submission on 5 th week)
3 25.02	Suspended ceilings, raised floors and interior doors - classifications and application details	
4 04.03	Factors that influence internal subdivision system design - acoustical and fire considerations	
5 11.03	Company presentation - theoretical presentation on internal partitions and suspended ceilings	Report 2 on company presentation (submission on 6 th week)
6 18.03	Company visit - application of internal partitions	Report 3 on internal partition application (submission on 7 th week)
7 25.03	Company visit - application of suspended ceilings	Report 4 on suspended ceiling ap. (submission on 8 th week)
8 01.04	Student presentation on actual products and their application - internal walls	
9 08.04	Student presentation on actual products and their application - suspended ceilings and raised floors	
10 15.04	Midterm exam - Studio work	Investigation of systems/products on the internet
11 22.04	Studio work	
12 29.04	Studio work	
13 06.05	Studio work	
14 13.05	Studio work	

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Homeworks

Report 1: Analysis of two actual internal subdivision systems' projects published in the journals or books, in terms of materials used, functions performed and performances achieved, and integration of them with other systems of the building. The two actual projects should consider different internal subdivision systems, i.e. internal walls and doors, suspended ceilings and raised floors

Report 2-3-4: Reports on company visits: Explanation of the content of the theoretical presentation, and detailed explanation of the assembly applications covering but not limited with the tools and equipments used, and application steps.

Student presentations on product analysis: Analysis and presentation of a product manufacturer's specific internal subdivision system in terms of its types, components, dimensions, performances, application and integration alternatives with other systems of building.

Some manufacturers for product analysis

Suspended ceilings

- Metal - linear strip system (1 group): Izocam A.S. (www.izocam.com.tr), Tacer Ltd. Şti. (www.tacer.com.tr)
- Metal - open cell system (1 group): Izocam A.S. (www.izocam.com.tr), Tacer Ltd. Şti. (www.tacer.com.tr)
- Metal - expanded system (1 group): Aspen A.S. (www.aspen.com.tr)
- PVC - jointless system (1 group): Tekno Yapı (www.teknoyapi.com), Deckon Ltd. Şti. (www.deckon.com.tr)

Raised access floors

- Shallow or deep systems (1 group): Aspen A.S. (www.aspen.com.tr), BVT Yapı Sistemleri (www.bvt.com.tr), Akdas-SW A.Ş. (www.akdagsw.com.tr), Klassis (www.klassis.com)

Internal walls

- Demountable modular partitions (2 groups): Aspen A.S. (www.aspen.com.tr), Trimline (www.trimline.com.tr), Divipart (www.divipart.com)
- Moveable partitions (2 groups): Deka (www.dekaas.com.tr), Abay yapı sistemleri (www.abayyapi.com)

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Filed Under: 4 Week Programs, Programs, Strength Training Program Tagged With: 4 Day Workout Plan, 4 Week Workout Plan Squat frequency: 1 Bench press frequency: 1 Deadlift frequency: 1 Overhead press frequency: 1. 5 Day Body Part Split Workout (4 Week Mesocycle). Last updated April 18, 2020.Â The challenge begins with bodyweight exercises during week 1 that are beginner friendly. Week two introduces dumbbells, while week three blends [Read moreâ€¦] With the weekly program guide you can stay tuned even when you're offline. Download the complete schedules from Sat., 23 to Fri., 29 May 2020. The weekly program guide keeps you informed about the latest schedule. You can also subscribe to this service as an online newsletter. To read and print the newsletter you need the AcrobatReader from Adobe. If nothing happens when you click the link below, you can download AcrobatReader for free on the Adobe website. Downloads.