## 2023 - 2024 Eğitim Öğretim Yılı Bahar Yarıyılı YTÜ Mimarlık Fakültesi Mimarlık Bölümü Yapı Fiziği Bilim Dalı

## MIM3211 NOISE CONTROL IN ARCHITECTURE

ELECTIVE COURSE (SEÇME DERS) (G1) Monday 15:00 – 16:50

NOISE CONTROL IN ARCHITECTURE	
Assoc. Prof. Dr. M. Nuri İLGÜREL milgurel@yildiz.edu.tr	
Research Ass. A. Umur GÖKSU augoksu@yildiz.edu.tr	
COURSE MATERIALS	Password for AVESISnca24s
	<b>Exercise:</b> Calculation of the noise reduction due to the total absorption
IN TERM STUDIES	of the space25 March 2024
	<b>Term Project:</b> Discussion on the architectural projects that are
	subject to noise control and noise control studies on individual projects
	such as a dwelling, an office, a school1, 22, 29 April 2024
	Term ProjectSubmission on 6 May 2024
	Presentationson 6 May and 13 May 2024
MIDTERM EXAM	ON THE 9TH WEEK
	15 April 2024
MAKE-UP EXAM	ON THE 14TH WEEK
	20 May 2024

## FINAL GRADE:

- Midterm exam (% 30)
- Exercise (%10)
- Term Project (%20)
- Final exam (%40)

## RESOURCES...

- Course materials
- Ministry of Environment and Urbanization of Türkiye, The Regulation on the Evaluation and
  -Management of Environmental Noise (ÇGDYY). Official Newspaper, no. 27601, 2010,
  revised on 2022.
- Ministry of Environment and Urbanization of Türkiye, The Regulation on the Protection of Buildings Against Noise. (BGKKHY). Official Newspaper, no. 30082, 2017.
- Internet sources
  - <u>https://youtu.be/XPbLYD9KFAo</u> sound-wave propagation
  - https://youtu.be/OWETRP\_eabg
  - https://youtu.be/zstmGnaaaCI
  - https://youtu.be/GkNJvZINSEY?list=RDQMdcKDwdp3EbY

hearing mechanism

- <a href="https://youtu.be/eQEaiZ2j9oc">https://youtu.be/eQEaiZ2j9oc</a>
- https://youtu.be/98-6WfdumZY

flutter echo

https://youtu.be/7CGJ8u6hGfg