

IAGR 466 - LISTENING TO SPACES
WEBSITE: <http://iagr466.cankaya.edu.tr>

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SYLLABUS

COURSE DESCRIPTION

The primary aim of this course is to raise awareness on conscious listening of spaces with different functions. As future interior architects, the student group will come across with the basic concepts of sound environment, sound source taxonomy and sound perception. Through the use of bloom's taxonomy of critical learning, 6-step task oriented learning is structured for this course. In addition, soundscape concept and aspects on space experience is covered. Site visits for the acoustical perception within different space types are experienced by students as part of the course.

COURSE OBJECTIVES

Students will;

- watch and discuss on perception mechanisms,
- identify sound sources in an open and an enclosed sound environment,
- describe soundscape concept in their own words,
- explain space experience terms in their own words,
- construct their own sound source taxonomy or classification,
- differentiate between non-acoustic and acoustic spaces,
- evaluate physical environment aspects and sound sources in a case space,
- design their ideal soundscape.

LEARNING OUTCOMES

The students are expected to gain knowledge on;

- Perception mechanisms especially on vision and acoustics
- Classification methods on sound sources
- Sound types in open and enclosed settings used for varied functions
- Soundscape concept and terminology
- Space experience concepts and terminology from acoustics point of view
- Non-acoustic and acoustic space types and their differences
- Indoor environmental factors and their effect on perception and experience

ATTENDANCE

***Attendance to at least %70 of the courses is mandatory!**

*** 11/11/2016 – Deadline to withdraw from the course!!!**

REFERENCE BOOKS

Author(s)	Title	Publisher	Publication Year
MURRAYR. SCHAFER	OUR SONIC ENVIRONMENT AND THE SOUNDSCAPE, THE TUNING OF THE WORLD	DESTINY BOOKS	1994
BARRY BLESSER, LINDA-RUTH SALTER	SPACES SPEAK, ARE YOU LISTENING?	THE MIT PRESS	2007
Ed. COLIN RIPLEY, MARCO POLO, ARTHUR WRIGGLESWORTH	IN THE PLACE OF SOUND – ARCHITECTURE, MUSIC, ACOUSTICS	CAMBRIDGE SCHOLARS PUBLISHING	2007
YI-FU TUAN	SPACE AND PLACE	UNIVERSITY OF MINNESOTA PRESS	2011
E RELPH	PLACE AND PLACELESSNESS	PION LIMITED	1976
BILL HILLIER, JULIENNE HANSON	THE SOCIAL LOGIC OF SPACE	CAMBRIDGE UNIVERSITY PRESS	1997
'LORIN W. ANDERSON, DAVID R. KRATHWOHL, PETER W. AIRASIAN, KATHLEEN A. CRUIKSHANK, RICHARD E. MAYER, PAUL R. PINTRICH, JAMES RATHS, MERLIN C. WITTRICK	A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives	Abridged Edition	2000
*Krathwohl, David R. (2002). "A revision of Bloom's taxonomy: An overview". <i>Theory Into Practice</i> (Routledge) 41 (4): 212–218.			

ASSESSMENT

Tasks (4)	40%
Midterm Evaluation	20%
Final Assignment	30%
Discussion / Participation	10%

TEACHING POLICY

The course is conducted through interactive learning bases. Orientation is more research-based than teaching-based. Students are expected to accomplish 6 tasks progressively following the cognitive processing dimensions. Reading and research is the main tasks throughout the course. Presentations including visual and audio media take part in each course to convey basic knowledge on soundscape research. Open discussions play important part during the course hours.

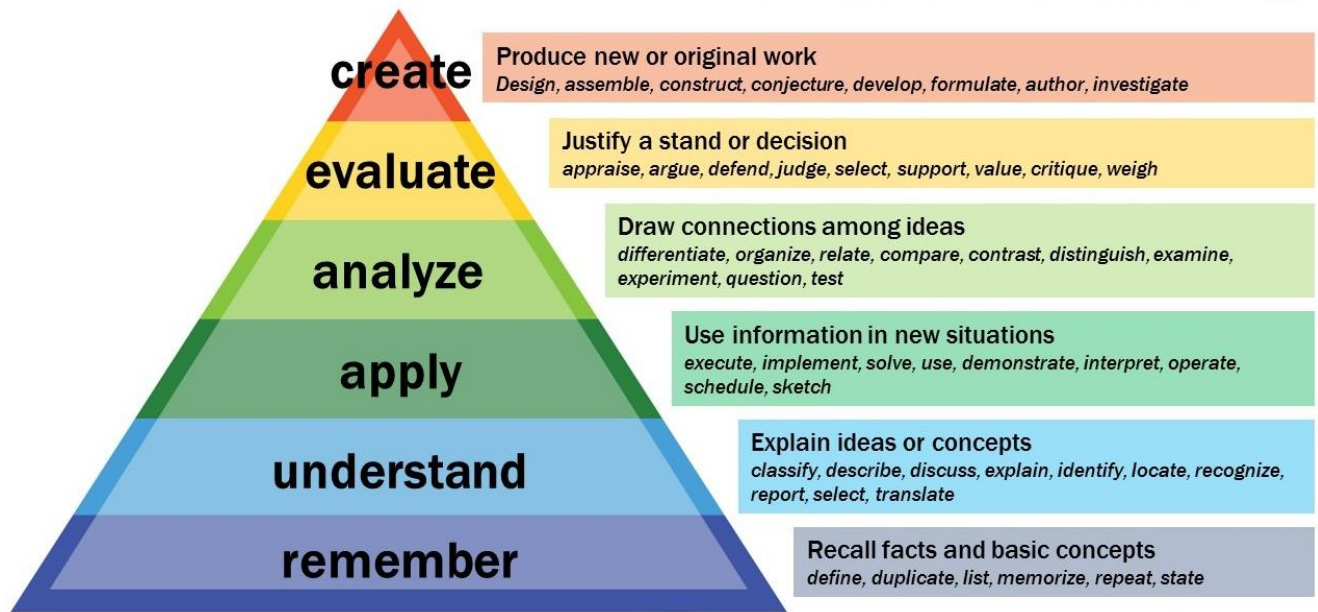


Figure 1. Bloom's taxonomy pyramid including assessments and activities on cognitive learning domain.

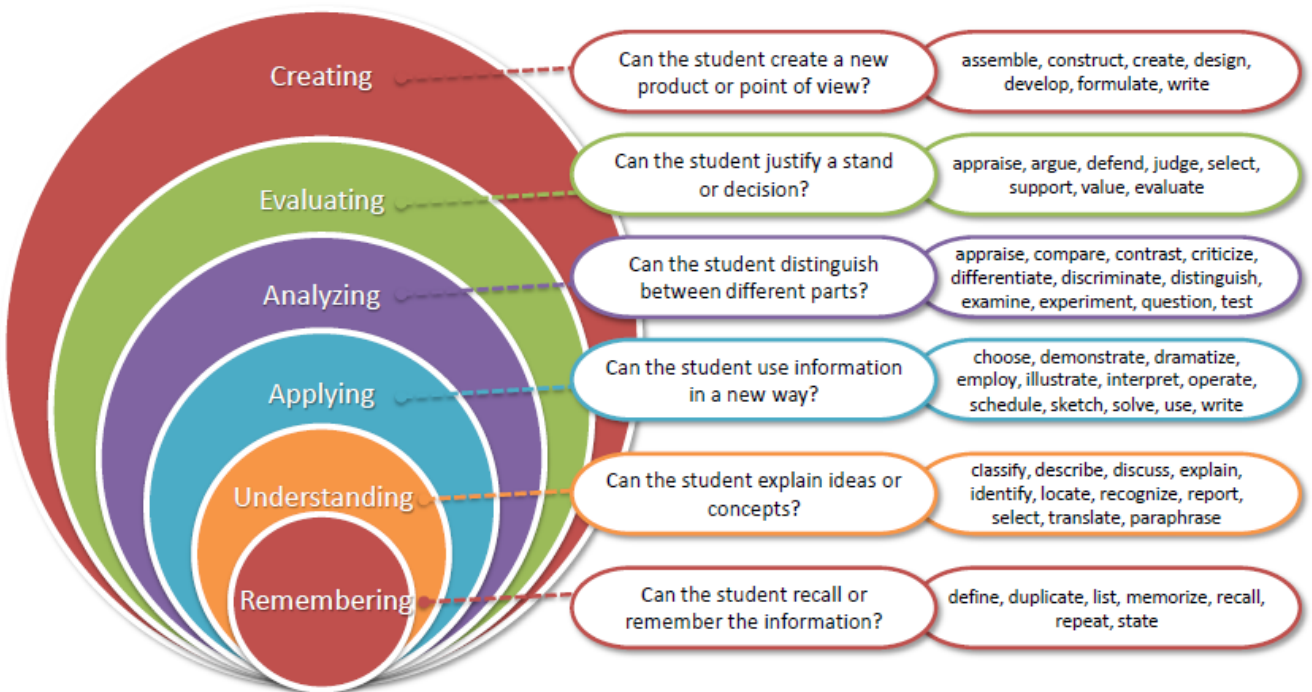


Figure 2. Bloom's taxonomy classification exemplifying on learning objectives.

COURSE OUTLINE:

Week	Date	Topic(s)
1	28.09.2016	Introduction to course – PRE-TEST FOR GENERAL ACOUSTIC AWARENESS
2	05.10.2016	General Information and Discussion – Needs Assessment
3	12.10.2016	Perception Mechanisms Task 1: Knowledge - Identification and recall of information
4	19.10.2016	Sounds of Daily Life and Sound Classifications Task 2: Comprehension – Organization and selection of facts and ideas Classify sound sources in an open and an enclosed sound environment
5	26.10.2016	Noise annoyance: Watch and discuss
6	02.11.2016	Soundscape and acoustic comfort
7	09.11.2016	Task 3: Application - Use of facts, rules and principles Construct your own sound source taxonomy or classification
8	16.11.2016	MIDTERM PRESENTATIONS AND DISCUSSION
9	23.11.2016	MIDTERM PRESENTATIONS AND DISCUSSION
10	30.11.2016	POSTER SESSION: WEAK and STRONG aspects of a poster
11	07.12.2016	Psychological State: Expectation, Perception, Reaction Task 4: Analysis - Separating a whole into component parts Organize aspects of a soundscape questionnaire
12	14.12.2016	Questionnaire design: important aspects Task 5: Evaluating – Developing opinions, judgments or decisions. Rate physical environment aspects and sound sources in a case space
13	21.12.2016	Evaluating soundscapes by questionnaires: psychoacoustics Task 6: Creating – Combining ideas to form a new whole Design your ideal soundscape
14	28.12.2016	FINAL PRESENTATIONS AND DISCUSSION POST-TEST FOR GENERAL ACOUSTIC AWARENESS

