

General Information:

Curriculum:	Civil Engineering BSc
Name of Course:	COMPLEX ACCESSIBILITY
Course Code:	SZB063AN
Semester:	2th, 4th, 6th, 8th
Number of Credits:	3
Allotment of Hours per Week:	2 Practical Lessons /Week
Evaluation:	mid semester grade
Prerequisites:	no

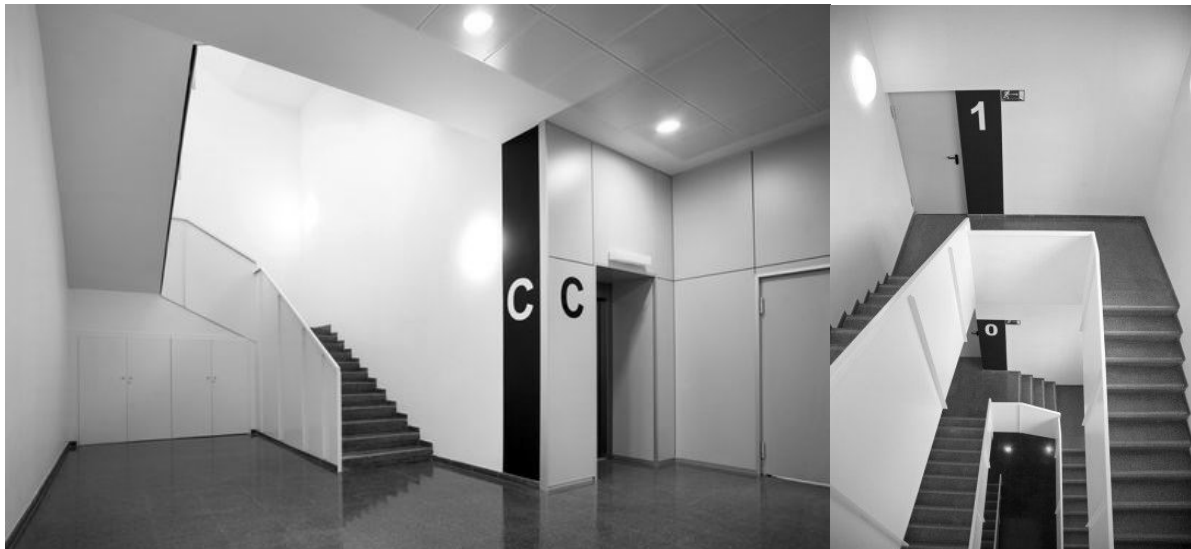
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General Subject Description

Without appropriate environment persons with disabilities may be limited in everyday life. The architectural and other barriers can force disabled people when, where and how they do what able-bodied people do. These barriers can dictate to them which shop, library or post office they use, which play, film or concert they enjoy, which school or class they attend, the job they take and even whether they can work at all. The main task of architects and engineering in the rehabilitation process to avoid this stigmatising process and provide an accessible environment for all.

The Complex Accessibility is studio work in the Bachelor of Civil Engineering program. The course focuses on categories of people, the accessibility criteria (requirements), the task of architects and engineering, architectural barriers. The finished and accepted project is shown and present at the end of the semester demonstrate the 'Analysing the accessibility of public supplying buildings'.



Learning Outcomes

Accessibility is a basic quality of the built environment which makes houses, shops, theatres, parks and workplaces approachable and usable. Accessibility makes it possible for people to take part in the social and economic activities for which the built environment is intended. The existing built environment is accessible for most people, they use it independently and in a natural way. In reality in such a "normal" way, they don't recognise the importance of accessibility.

The course will focus on:

- The importance of accessibility
- Architectural barriers
- Regulations, definitions
- Impairments
- Functional limitation due to the impairments
- Requirements for accessibility
- Accessibility guidelines
- Accessibility inside the buildings



Subject content

Brief Syllabus: This lecture and practical based course aims to give the basic knowledge about Complex Accessibility and to show the possibilities of the planning. There will be comparisons between the traditional and new methods. A lot of example will be presented to give the expected knowledge to the students.



Examination and evaluation system

In all cases. Annex 5 of the Statutes of the University of Pécs, the **Code of Studies and Examinations (CSE) of the University of Pécs** shall prevail.

<https://english.mik.pte.hu/codes-and-regulations>

https://international.pte.hu/sites/international.pte.hu/files/doc/TVSZ%202022_06_23_ENG.pdf

Attendance

In accordance with the Code of Studies and Examinations of the University of Pécs, Article 45 (2) and Annex 9. (Article 3) a student may be refused a grade or qualification in the given full-time course if the number of class absences exceeds 30% of the contact hours stipulated in the course description.

Method for monitoring attendance (e.g.: attendance sheet / online test/ register, etc.)

Assessment

Course resulting in mid-term grade (PTE TVSz 40§(3))

Mid-term assessments, performance evaluation and their ratio in the final grade

Type	Assessment	Ratio in the final grade
home assignment	85 points	85 %
participation	15 points	15 %

Grading will follow the course structure with the following weight: home assignment 85%. The remaining 15% will be assessed according to participation, progress, effort and attitude. Please note that attendance will adversely affect one's grade, both in direct grade reduction and in missing work in the development of a project.

Opportunity and procedure for re-takes (PTE TVSz 47§(4))

The specific regulations for improving grades and resitting tests must be read and applied according to the general Code of Studies and Examinations. E.g.: all tests and assessment tasks can be repeated/improved at least once every semester, and the tests and home assignments can be repeated/improved at least once in the first two weeks of the examination period.

Requirements for the end-of-semester signature

Reach the minimum points and fulfill attendance requirements.

https://international.pte.hu/sites/international.pte.hu/files/doc/TVSZ%202022_06_23_ENG.pdf

Grading Scale:

Numeric Grade:	5	4	3	2	1
	A, excellent	B, good	C, average	D, satisfactory	F, Fail
Evaluation in points:	85%-100%	70%-85%	55%-70%	40%-55%	below 40%

The lower limit given at each grade belongs to that grade.

Readings and Reference Materials

Required:

- [1.] Horváth Magdolna Horvath dr., Tamás Turi: Ergonomics, Ergonomics – Accessibility (Zenfe) Pecs, 2014.
- [2] Geza Fischl, Andras Pandula: Accessible Design - The concepts of accessibility
- [3] A 253/1997. (XII.20.) Kormányrendelet (OTÉK) akadálymentesítésre vonatkozó szakaszai
- [4] Az Épített környezet alakításáról és védelméről szóló 1997. évi LXXVIII. törvény
- [5] 1998. évi XXVI. törvény (Fot.)

More:

- [1] Tervezési segédlet az akadálymentes épített környezet megvalósításához, BM Építésügyi Hivatal, 2002.
- [2] Pandula András: Az Egyetemes Tervezés, Épített Környezetért Alapítvány, 2006
- [3] Fischl Géza-Pandula András: Tervezési Segédlet az akadálymentes épített környezet megvalósításához, Váti Kht., 2002

- [4] Fischl Géza-Caroline Meriales F.-P. Farkas Zsuzsa-Pandula András: Tervezési Segédlet a gyermekbarát építési követelmények teljesítéséhez, OLÉH, 2004
- [5] Fischl Géza-Pandula András: Akadálymentes Építészet/Accessible Design, 1999
- [6] Fischl Géza-Nagy Bendegúz-Pandula András-Szántó Zoltán: Akadálymentesítés és Adaptáció, 2000
- [7] Fischl Géza-Pandula András: Az akadálymentes épített környezet, 1998
- [8] Fogyatékos Személyek Esélyegyenlőségéért Közalapítvány 2008. – Komplex akadálymentesítési pályázatokhoz az infó-kommunikációs akadálymentesítésre
- [9] Igali Zsófia: Akadálymentes épített környezet a teljeskörűség jegyében
- [10] Dr. Horváth M., Turi T.: Ergonómia, Ergonómia – Akadálymentesítés, Zenfe, Pécs, 2014.
- [11] Zalabai P., Vízvárdi A. (2003): Az élő Otthon, Motiváció Alapítvány, Budapest
- [12] dr.Polinszky T., Boross A., Nyitrai P. (2000): Akadálymentes CDROM Tervezési segédlet építésznek és építetőknek, Hörcsik Cad Kft., Motiváció Alapítvány közös kiadása, Budapest

Methodology

On the lectures the students get information about the theoretical knowledge of Complex Accessibility and they can use this information at the practices during the analysing the accessibility of public supplying buildings.

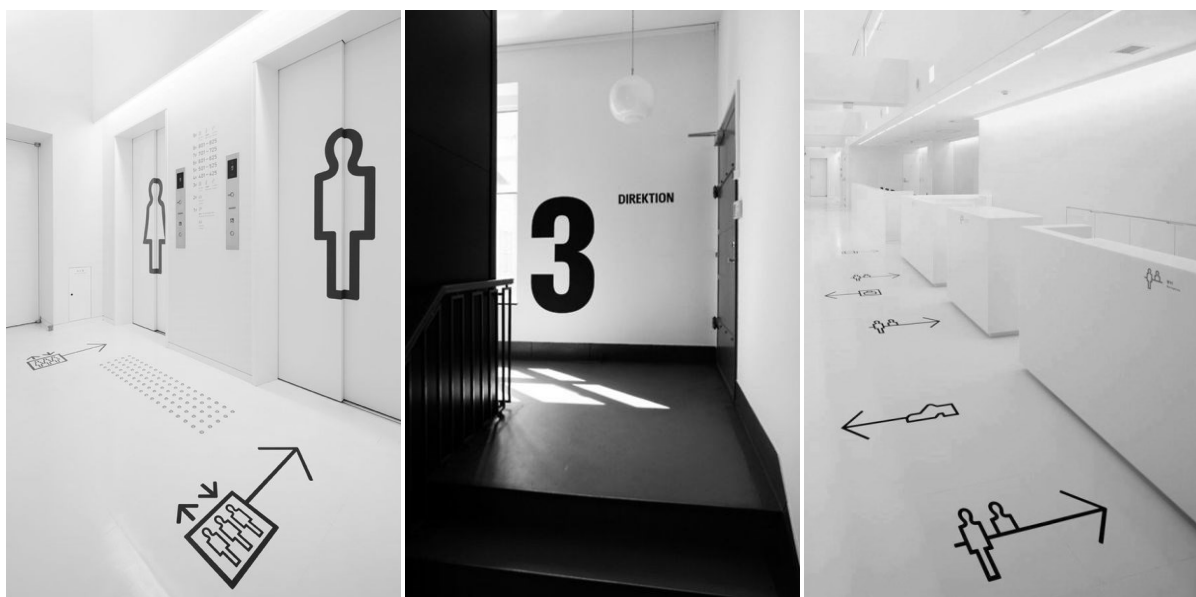
Students with Special Needs

Students with a disability and needs to request special accommodations, please, notify the Deans Office. Proper documentation of disability will be required. All attempts to provide an equal learning environment for all will be made.

Detailed requirements and schedule of the Course

The semester project must be an accessibility of public supplying building analysis.

- Building sheet (type of building...)
- External environment (public areas, pedestrian zones, other orientation elements...)
- Parking sites (accessible parking sites, estimated distance...)
- Getting into the building (entrance, stairs, ramps...)
- Entrance (lobby, doors, equipments...)
- Inside the building (accessibility of public utilities, stairs, ramps...)
- Physical characteristics of corridors
- Accessibility of information units
- Places of public services (accessibility of public services...)
- Communication (administration, mobile units...)





Final submission:

Project file must be submitted in pdf format until the deadline. The final file has to be sent **Microsoft TEAMS groupe**.

Submission deadline: 10th of May 2023

Extended deadline: 14th of May 2023

The file must be named by using name of the student, and Neptune code as it is shown in the following example:
 first name_last name_neptuncode.pdf

Schedule

Practice/Laboratory Practice

week	Topic	Progress requirements for the home assignment	Required tasks (assignments, tests, etc.)	Completion date, due date
1.	Introduction of the syllabus			
2.	The concepts of accessibility The importance of accessibility	Geza Fischl, Andras Pandula: Accessible Design - The concepts of accessibility page 5	Consultation	Course time
3.	Architectural barriers Regulations, definitions	Geza Fischl, Andras Pandula: Accessible Design - The concepts of accessibility page 11	Consultation	Course time
4.	The human potential The human potential, definitions	Geza Fischl, Andras Pandula: Accessible Design - The concepts of accessibility page 17	Consultation	Course time
5.	The human potential	Geza Fischl, Andras Pandula: Accessible Design - The concepts of accessibility page 22	Consultation	Course time
6.	PUBLIC HOLIDAY - MARCH 15TH			

7.	The spectrum of human abilities Impairments Functional limitation due to the impairments	Geza Fischl, Andras Pandula: Accessible Design - The concepts of accessibility page 37 page 40	Consultation	Course time
8.	Functional limitation due to the impairments Requirements for accessibility	Geza Fischl, Andras Pandula: Accessible Design - The concepts of accessibility page 41 page 55	Consultation	Course time
9.	HOLIDAY			
10.	POLLACK EXPO			
11.	Accessibility guidelines	Geza Fischl, Andras Pandula: Accessible Design - The concepts of accessibility page 56	Consultation	Course time
12.	Parks, outdoor recreation facilities City environment	Geza Fischl, Andras Pandula: Accessible Design - The concepts of accessibility page 58	Consultation	Course time
13.	Accessibility inside the buildings	Geza Fischl, Andras Pandula: Accessible Design - The concepts of accessibility page 70	Consultation	Course time
14.	SEMESTER PROJECT SUBMISSION			8th of May 2024
15.	POST - SEMESTER PROJECT SUBMISSION			15th of May 2024

31.01.2024

Magdolna HORVATH dr.
 responsible lecturer