

# **A DESIGN GUIDE FOR BARRIER-FREE UNIVERSITY CAMPUSES: THE CASE OF ITU AYAZAGA CAMPUS**

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## **ABSTRACT**

This article discusses the use of various criteria for the buildings and close environments on university campuses to make them accessible and usable for the wheelchair-bound people. The design guide for barrier-free environments on university campuses contains a method and a complementary case study designed for Istanbul Technical University Ayazaga Campus. The method includes four different levels. Places which have general problems related to wheelchair bound people are listed in accordance to levels of settlement (access to and within campus), near environment of buildings, access to and in horizontal and vertical circulation elements, and finally usability problems of wheelchair bound people in various spaces of university buildings. Places that must be designed with special attention for the wheelchair-bound are listed in the checklists, which are organized according to main levels mentioned in design guide. Standards and alternative solutions are given for places that have barriers for wheelchair user in the checklists. The case study covers the site plan of the campus, near environments, entrances to buildings and spatial accessibility and usability.