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COURSE OUTLINE

Course Code	AUTH2
Course Title	Impact of Metro construction on the long-term sustainability of a Metropolitan city: The case of Thessaloniki
Course Address	Faculty of Engineering Aristotle University of Thessaloniki
City	Thessaloniki, Greece
Minimum year of study (<i>absolute superior education level</i>)	3 th , 4 th and 5 th year (5 th year = 3 ^{ème} année Grande Ecole). Msc and Phd students are also accepted.
Minimum level of English:	Good
Key words	Metro systems, sustainability, construction, building environment, urban planning
Language (<i>in which the Course will be taught</i>)	English
Responsible Professor	Professor Christos Pyrgidis Telephone: +302310-995795, +306977593659 (mob) e-mail: pyrgidis@civil.auth.gr Associate Professor Dimitris Pitilakis Telephone: +302310994357 e-mail: dpitilakis@civil.auth.gr
Participating Professors & Tutors	ATTIKO METRO representative, D. Pitilakis, C. Pyrgidis, I. Politis
Number of places:	45
Minimum	10
Maximum	45
Reserved for Home students	10
Objectives	To provide the theoretical and practical background for undergraduate students to gain an improved understanding of the financial, managerial, and technical difficulties related to the construction of a new Metro system and its overall consequences to a city's sustainability.
Program to be followed	One day. 2 morning lecture sessions of 2 hours each and 2 afternoon lectures of 2 hours each.
Prerequisites	Basic knowledge of Civil Engineering and/or Urban Planning
Course exam	A written examination to be answered on line and after the end of the course



Impact of Metro construction on the long-term sustainability of a Metropolitan city: The case of Thessaloniki

Thessaloniki, March 16, 2021

TUESDAY 16/3

10:00 – 10:30 (EET - local time)	Welcome Addresses <i>K. Katsifarakis</i> , Professor, Dean of the Aristotle University Thessaloniki <i>N. Tachiaos</i> , President, ATTIKO METRO S.A.
10:30 – 12:00	Overview of the Thessaloniki Metro Project Representative of ATTIKO METRO S.A.
12:30 – 14:00	Urban railway systems – Basic characteristics of Metro systems – Metro systems in Greece <i>C. Pyrgidis</i> , Professor, Aristotle University Thessaloniki
15:00 – 17:00	Simplified Methods for Ground Settlements Due to Tunneling in Urban Environment <i>D. Pitilakis</i> , Associate Professor, Aristotle University Thessaloniki
17:00 – 19:00	Thessaloniki Metro: Contribution to the sustainability of the city agglomeration <i>I. Politis</i> , Assistant Professor, Aristotle University Thessaloniki
19:00 – 20:00	Exams, discussion and feedback