



Budapest University of Technology and Economics
Department of Structural Engineering

ATHENS PROGRAM

Course BME: Danube Bridges in Budapest

Technical program

November 18, 2024 – Monday

10.00 – 12.00	ÉL111	Opening the Course; <i>Lecture 1</i> Types of bridges	Prof. L. Dunai Dr. P. Hegyi
14.00 – 16.00	ÉL111	<i>Lecture 2</i> History of Budapest Danube bridges	Prof. L. Dunai
16.15 – 17.00	ÉL111	<i>Lecture 3</i> Introduction of bridge design software	Dr. P. Hegyi
17.15 – 18.00	ÉL111	<i>Practice 1</i> Application of design software	Mr. A. Horváth, Mr. Sz. Szinvai

November 19, 2024 – Tuesday

09.00 – 16.00		Tour to the Danube bridges by ship	Mr. A. Horváth Mr. Sz. Szinvai
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November 20, 2024 – Wednesday

08.30 – 10.00	ÉL111	<i>Lecture 4</i> Aesthetic and constructional bridge design	Prof. Gy. Farkas
10.15 – 12.00	ÉL111	<i>Lecture 5</i> Pentele Danube bridge in Dunaújváros	Prof. A. Horváth
14.15 – 15.00	ÉL111	<i>Lecture 6</i> Optimal bridge design	Dr. P. Hegyi
15.15 – 17.00	ÉL111	<i>Practice 2</i> Bridge design practice 1	Mr. Sz. Szinvai

November 21, 2024 – Thursday

08.30 – 10.00	ÉL111	<i>Lecture 7</i> Pedestrian imposed vibration	Dr. L.G. Vigh
10.15 – 12.00	ÉL111	<i>Lecture 8</i> Load testing of Danube bridges	Dr. B. Kövesdi
14.15 – 16.00	ÉL111	<i>Practice 3</i> Bridge design practice 2	Mr. A. Horváth

November 22, 2024 – Friday

08.15 – 11.45	ÉL111	Test	Dr. P. Hegyi
	ÉL111	Presentation of bridge design	Dr. P. Hegyi
11.45 – 12.00	ÉL111	Evaluation, closing	Dr. B. Kövesdi