Numerical methods 2018

(Days off: 03.15. #F, 04.19. #F, 04.22. +M, 04.29 #M, 04.30. #Tue, 05.01. #W)

courses	01	04	EN1
lecturers	Koczka György (HU)	Laky Piroska (HU)	Kapitány Kristóf (EN)
	Mon 16-19	#Wed 8-10	Thu 8-10
week		Wed 12-14	#Fri 10-12
1.	M1+M2(a)	M1	M1
2.	M2(b) + ERR	M2,ERR	M2,ERR
3.	(A1) NL1 + LIN1(a)	NL1 (A1)	NL1 (A1)
4.	LIN1(b) + LIN2	LIN1,LIN2	LIN1,LIN2
5.	NL2 + REG(a)	NL2	NL2
6.	(A2) REG(b)+ IP1	REG (A2),IP1	REG (A2),-
7.	IP2 + DIF (a)	IP2	IP1
8.	T1 - 04.01. + DIF (b)	T1 - 04.03.,DIF	IP2, T1 - 04.05.
9.	OPT + INT (a)	OPT	DIF
10.	INT(b) + ODE	INT,ODE	OPT,-
11.	-	ODE2 (A3)	INT
12.	-	-,-	ODE,ODE2
13	(A3) T2 - 05.06. + ODE2	T2 - 05.08.	T2 - 05.09. (A3)
14.	There will be a presentation about BIM in the 2nd week, instead of the last 2 classes which will be cancelled.		
elmarad:	**2**	**2**	**2**

A1,A2,A3 - 5 minutes activity tests

	Lectures:	Kód		Lectures:	Kód
1.	Matlab basics	M1	**11.**	(Practice 1 - overview - optional)	P1
2.	Data import and export	M2	**12.**	Midterm test 1	T1
3.	Computational errors	ERR	**13.**	Numerical differentiation	DIF
4.	Nonlinear equations	NL1	**14.**	Optimization	OPT
5.	System of linear equations 1.	LIN1	**15.**	Numerical integration	INT
6.	System of linear equations 2.	LIN2	**16.**	Ordinary Differential Equations 1.	ODE
7.	System of nonlinear equations	NL2	**17.**	Ordinary Differential Equations 2.	ODE2
8.	1-D regression	REG	**18.**	(Practice 2 - overview - optional)	P2
9.	1-D interpolation	IP1	**19.**	Midterm test 2	T2
10.	2-D interpolation, regression	IP2	**20-21.**	Building Information Modeling	BIM

Homework assignment: 4th week (from 25 Feb.), deadline: 31 March, extended deadline (for a fee): 14 April

Retake of the first mid-term test: 26 Apr, 16^{15}, Retake of the second mid-term test: 20 May, 10^{15}