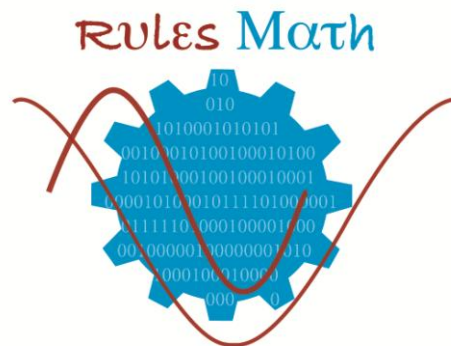


# New Rules for Assessing Mathematical Competencies



## Rules Math Project Seminar Bucharest (Romania), 25-27/06/2019

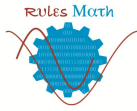


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of the European Union

<http://rules-math.com>  
 @rules\_math\_proj

<https://www.facebook.com/rulesmath>

Project: 2017-1-ES01-KA203-038491



## TEACHING/LEARNING/TRAINING/ AGENDA

**Meeting organised by:** *Ion Mierlus-Mazilu*

**Seminar Date:** *25/06/2019 to 27/06/2019*

**Venue:** *Department of Mathematics and Informatics. Technical University of Civil Engineering in Bucharest (UTCB), FCCIA building, room 12, B-ul Lacul Tei, Nr. 122-124, Sector 2, Bucharest, Romania, 020396*

**City:** *Bucharest (Romania)*

**Attendees:**

- University of Salamanca (USAL)
- Czech Technical University in Prague (CVUT)
- Technological University Dublin (TUD)
- Ankara Haci Bayram University (HBV)
- Polytechnic Institute of Coimbra (ISEC)
- Slovak University of Technology in Bratislava (STU)
- Spanish National Research Council (CSIC)
- Technical University of Civil Engineering in Bucharest (UTCB)
- University of Plovdiv "Paisii Hilendarski" (PU)

**Agenda items:**

<b>TUE 25 JUNE 2019</b>
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09:00 – 09:30: Registration

09:30 – 09:45: Opening of the Seminar

(Araceli Queiruga Dios / USAL, Ion Mierlus-Mazilu / UTCB)

09.45 – 10:15: Presentation of the university and agenda

(Ion Mierlus Mazilu / UTCB)

10:15 – 11:00: Students presentation Country/Town/Univ

11:00 – 11:30: Coffee break

11:30 – 12:30: Some applications of linear algebra to Chemistry, Cryptography and Networks (Fatih Yilmaz / HBV)

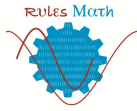
12:30 – 13:30: Integral Sums (Lower/Upper Darboux, Riemann) (Peter Letavaj / STU)

13:30 – 15:00: Lunch time

15:00 – 16:30: Statistics with R (Deolinda Rasteiro / ISEC) – computers room

(Check user/password for digital environment and complete initial survey).





## New Rules for Assessing Mathematical Competencies

16:30 Cultural visit - University Square – Free time

### WED 26 JUNE 2019

09:00 – 10:30: Mathematical Induction as a Tool (Marie Demlova / CTU)

10:30 – 11:00: Coffee break

11:00 – 12:30: Linear Algebra and Calculus applications in games (Araceli Queiruga Dios / USAL)

12:30 – 13:30: Statistics with MS excel (Michael Carr / TU-DUBLIN) - computers room

13:30 – 15.30: Lunch time

15:30 Bucharest – cultural visit (The Arch of Triumph, The Village Museum)

### THU 27 JUNE 2019

09.00 – 10.30: Wolfram Mathematica-training for solving math problems (Vector arithmetic, Matrices and determinants, Least squares curve fitting, Combinatorics) (Atanas Valev Ivanov / UNI-PLOVDIV) – Computers room.

10:30 – 11:00: Coffee break

11:00 – 12:30: Learning Engineering Mathematics with GeoGebra / Calculus (V́ctor Gayoso Mart́nez / CSIC) – Computers room

Final survey

12:30 – 13:30: Conferences debate Teachers vs. Students

13:30 – 15.30: Lunch time

15:30 Bucharest – visit (Union Square, Old Town)

