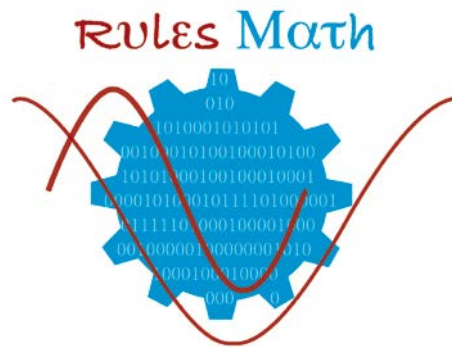


# New Rules for Assessing Mathematical Competencies



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



Co-funded by the Erasmus+ Programme of the European Union

<http://rules-math.com>  
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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 I2, 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**  
(room I-4, floor 1<sup>st</sup>)
- 09:30 – 09:45: Opening of the Seminar**  
(Araceli Queiruga Dios / USAL, Ion Mierlus-Mazilu / UTCB)  
(room I-2, floor 1<sup>st</sup>)
- 09.45 – 10:15: Presentation of the university and agenda**  
(Ion Mierlus Mazilu / UTCB)  
(room I-2, floor 1<sup>st</sup>)
- 10:15 – 11:00: Students presentation Country/Town/University**  
(room I-2, floor 1<sup>st</sup>)
- 11:00 – 11:30: Coffee break**  
(room I-4, floor 1<sup>st</sup>)
- 11:30 – 12:30: Some applications of linear algebra to Chemistry, Cryptography and Networks**  
(Fatih Yilmaz / HBV)  
(room I-2, floor 1<sup>st</sup>)
- 12:30 – 13:30: Integral Sums (Lower/Upper Darboux, Riemann)**  
(Peter Letavaj / STU)  
(room I-2, floor 1<sup>st</sup>)





## New Rules for Assessing Mathematical Competencies

- 13:30 – 15:00:** **Lunch time**
- 15:00 – 16:30:** **Statistics with R**  
(Check user/password for digital environment and **complete initial survey**).  
(Deolinda Dias Rasteiro / ISEC)  
(computer room L-3, floor 4<sup>th</sup>)
- 16:30 – 18:15:** **Bucharest - Rules Math Project Meeting**  
(room I-4, floor 1<sup>st</sup>)

### WED 26 JUNE 2019

- 09:00 – 10:30:** **Mathematical Induction as a Tool**  
(Marie Demlova / CTU)  
(room I-2, floor 1<sup>st</sup>)
- 10:30 – 11:00:** **Coffee break**  
(room I-4, floor 1<sup>st</sup>)
- 11:00 – 12:30:** **Linear Algebra and Calculus applications in games**  
(Araceli Queiruga Dios / USAL)  
(room I-2, floor 1<sup>st</sup>)
- 12:30 – 13:30:** **Statistics with MS excel**  
(Michael Carr / TU-DUBLIN)  
(computer room L-3, floor 4<sup>th</sup>)
- 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**  
(Atanas Valev Ivanov / UNI-PLOVDIV)  
(computer room L-3, floor 4<sup>th</sup>)
- 10:30 – 11:00:** **Coffee break**  
(room I-4, floor 1<sup>st</sup>)
- 11:00 – 12:30:** **Learning Engineering Mathematics with GeoGebra / Calculus.**  
**(complete the final survey).**  
(V́ctor Gayoso Mart́nez / CSIC)  
(computer room L-3, floor 4<sup>th</sup>)
- 12:30 – 13:30:** **Conferences debate Teachers vs. Students**  
(room I-2, floor 1<sup>st</sup>)
- 13:30 – 15:30:** **Lunch time**
- 15:30** **Bucharest – visit** (Union Square, Old Town, National Theatre Bucharest)

# Meeting Agenda

## Bucharest (Romania), 25/06/2019

### Agenda items:

**TUE 25 JUNE 2019**

- 16.30-16.45: **Financial/Administrative management.**  
(room I-4, floor 1<sup>st</sup>)
- 16.45-17.30: **Session 1: Project status after the aproval of mid-ter report.**  
(room I-4, floor 1<sup>st</sup>)
- 17.30-18.00: **Session 2: Partners' presentation about:**
1. Project dissemination;
  2. Competencies-based assessment (IO2);
  3. Tools, training activities for assessment specific competencies (IO3);
  4. Project status and how it is going on, what must be done? do you have any suggestion or proposal?  
USAL, UCTB, STU, AHBV, CTU, PU, CSIC, ISEC, and TU.
- (room I-4, floor 1<sup>st</sup>)
- 18.00-18.15: **Information about TTL activity: Surveys, material for students.**  
(room I-4, floor 1<sup>st</sup>)

Wi-Fi: *RulesMath*

Password: *math@2019*