

INGENIUM Staff Academy

Gheorghe Asachi Technical University of Iasi (TUIASI)

21-22 May 2024

Tuesday 21

9:00 - 9:15 Opening Speech by **Iulian Ciocoiu**

9:15 - 10:15 **David O Hanlon**

Team Based Learning (TBL) approach: An experiential introduction

10:15 - 10:30 **COFFEE BREAK**

10:30 - 11:30 **Marta Escalonilla**

Online Collaborative Storytelling and Mind Mapping in Bilingual Education: A Pilot Study to Enhance Students' Motivation and e-Learning

11:30 - 12:30 **Antoniya Yanakieva**

Business involvement-based learning in the Clinical Trials Management Master Program

12:30 - 14:00 **LUNCH**

14:00 - 15:00 **Mariana Costea**

Digital Learning for Footwear Design and Engineering

15:00 - 16:00 **Mikhail Nemilentsev & Riku Happonen**

"Tell your story – build your dream": Towards the international work-life competences



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Wednesday 22

9:00 - 10:15

Nathanael Kuipers

Dealing with threshold concepts: mistake driven learning

10:15 - 10:30

COFFEE BREAK

10:30 - 11:30

Kellie Bruchmueller

An Approach to Sustainability and Developing 21st Century Skills: A Business English Entrepreneurial Simulation Course

11:30 - 12:30

Coline Laboulais & Samuel Hamon

Simulation center to train teaching and education professionals

12:30 - 14:00

LUNCH

14:00 - 15:00

Anastasia Pratikaki

Applying Case Studies' teaching technique in Higher Education

15:00 - 16:00

Bruna Sinjari & Gianmaria D'Addazio

ONLINE

Revolutionizing Dental Education: The OMG System's Real-Time Guidance



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Tuesday 21

9:15 - 10:15

David O'Hanlon

An Experiential Introduction to Team Based Learning

Abstract

The “Team Based Learning” (TBL) approach provides a structured instructional design which nurtures high student engagement with module content, peers and teaching staff throughout a semester (Michaelsen and Sweet, 2008). The aim of the workshop is to familiarize attendees with the unique TBL instructional design and to help them compare and contrast TBL with other small-group pedagogies. Attendees of the workshop will experience the steps of a TBL unit (including Readiness Assurance Tests, 4S Application Exercises and Whole Class Discussion) in the same way as a student would. TBL has been applied in both Online and Face to Face settings, and tools that can be used to facilitate the process in both contexts will be discussed throughout.

Keywords: Team Based Learning, Flipped Classroom, Collaborative Online International Learning (COIL)



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INGENIUM
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Tuesday 21

10:30 - 11:30

Marta Escalonilla

Online Collaborative Storytelling and Mind Mapping in Bilingual Education: A Pilot Study to Enhance Students' Motivation and e-Learning

Abstract

The increasing apathy of students towards the learning processes at university classes today leads to a considerable reduction in class attendance and an increase in high dropout and finally failure rates. The aim of this study is to examine the consequences of the combined and intertwined implementation of two innovative methods of active learning in a small group of students at the university. More specifically, this paper analyzes the role of creating podcasts and mind maps with a collaborative approach in students' participation and e-learning in economics field. In addition to the advantages that both methods offer, they may also bring benefits to students in terms of improving their language skills. In this quasi-experiment, the main results indicate that students' experience when carrying out activities such as podcasts or mind maps is positive. Specifically, an improvement in the involvement and active participation of students has been observed by teaching staff.



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INGENIUM
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Tuesday 21

11:30 - 12:30

Antoniya Yanakieva

Business involvement-based learning in the Clinical Trials Management Master Program

Abstract

The Master program Clinical Trials Management incorporates a variety of innovative teaching methods, including case studies, industry projects, and simulations, all of which are designed to immerse students in real-world business scenarios commonly encountered in the field. By engaging with industry partners, such as pharmaceutical companies, regulatory agencies, and contract research organizations, students gain firsthand experience in navigating the complexities of conducting clinical trials within a business context.

Through this unique approach to learning, students not only develop the necessary technical skills to excel in clinical trials management but also acquire the strategic thinking and problem-solving abilities required to make informed business decisions. By bridging the gap between science and business, the Clinical Trials Management Master Program equips graduates with a competitive edge in the dynamic and highly competitive field of clinical research.

Keywords: Business involvement-based learning, clinical trials, strategic thinking.



Antoniya Yanakieva

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INGENIUM
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Tuesday 21

14:00 - 15:00

Mariana Costea

Digital Learning for Footwear Design and Engineering

Abstract

This workshop aims to introduce participants to the transformative worlds of Augmented Reality (AR), Virtual Reality (VR), and Serious Games, providing hands-on experiences and insights into their applications in footwear design and engineering.

It will consist in 3 main parts:

- *Virtual Reality headset demonstration - SCILED*

Participants experience a pre-designed VR environment or engage in a basic VR design activity.

Open discussion on the immersive aspects of VR.

- *AR Design Demo - DIGITAL FabLab and LEIA*

Participants engage with AR design tools or apps.

Guided activity: Create a simple AR design or interact with pre-existing AR content.

- *Serious Games in Design*

Definition and significance in design education.

Brief examples of serious games tailored for footwear design learning.

Q&A session during and after the activity.



GHEORGHE ASACHI
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INGENIUM
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Tuesday 21

15:00 - 16:00

Mikhail Nemilentsev & Riku Happonen

“Tell your story – build your dream”: Towards the international work-life competences

Abstract

The successful development of students in the international labour market depends highly on their personality, professional background, as well as an ability to tell their story effectively. The organizers of the current workshop represent a successful ongoing EU-funded Finnish work-life path project aimed at interacting with and helping international young student talents. Workshop participants will practice telling their stories briefly and effectively for successful selection for international work. In a playful manner and teamwork, new ways of giving and receiving feedback and improving their personal stories are honed during the workshop. Methods of hands-on learning and lateral thinking lead to intercultural transversal learning and train constructive feedback in a pro-active team collaboration.

Keywords: international students; labour market; personal story; teamwork; work life.



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INGENIUM
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Wednesday 22

9:00 - 10:15

Nathanaël Kuipers

Dealing with threshold concepts: mistake driven learning

Abstract

This case discusses the concept of thresholds in learning, a mental block in a student's understanding. To overcome thresholds, the tactic seems often to present and discuss many examples. Not only does this require a lot of time and effort from the teacher, but in many cases the mental blocks are still there, even when students pass the course. The contributor instead suggests to give little guidance and let students study the material on their own early in their studies to purposely stimulate mistakes and confront them with their thresholds. The hypothesis is that the sooner they are confronted with their thresholds and realize that they misunderstood, the more susceptible they are to learn. However, most students are afraid to make mistakes and do not appreciate it when their efforts have been in vain, so how do we create favourable conditions for this type of pedagogy?

Keywords: Didactics, Thresholds, Mistake learning theory



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INGENIUM
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Wednesday 22

10:30 - 11:30

Kellie Bruchmueller

An Approach to Sustainability and Developing 21st Century Skills: A Business English Entrepreneurial Simulation Course

Abstract

This workshop explores the integration of sustainability concepts and the development of 21st-century skills within the framework of a Business English Entrepreneurial Simulation Course. Attendees look at the significance of introducing students of Business English to sustainability in the business context.

The workshop emphasizes innovative, interactive learner-centered teaching methods as essential tools for supporting students' language acquisition goals, along with developing their 21st-century competencies (creativity, critical thinking/problem solving, communication, and collaboration). An in-depth exploration of a Business English Entrepreneurial Simulation Course follows, emphasizing successful integration examples.

A highlight of the workshop is a collaborative activity where participants design a pitch for a sustainable business concept, emphasizing language learning opportunities.

The workshop concludes by engaging participants in reflection and discussion regarding the adaptation of student-centered approaches, in order to foster 21st century skills within their own teaching contexts. By encouraging attendees to implement innovative and sustainable practices in their educational environments, this workshop aims to inspire transformative pedagogical approaches.



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INGENIUM
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Wednesday 22

11:30 - 12:30

Coline Laboulais & Samuel Hamon

Simulation Center to Train Teaching and Education Professionals

Abstract

Instead of introducing our center in a traditional way, we wanted to propose an immersive experience to the participants, here in INGENIUM Staff days in Iasi. To do so, we will prepare a small space within the room that we will record and that small space will be displayed in real-time for the audience.

The workshop will be based on the real simulation center session: starting by a short explanation, followed by an ice-breaker then a role-play. Finally, the essential debriefing part will lead us to a more complete presentation of the center. We will show the operational side of the center but also our use for the training of future teachers. The role play that we'll perform will be about giving instructions as a teacher, we will be especially focused on professional micro-gestures. We will therefore develop our ability to observe and analyse each other.



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INGENIUM
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Wednesday 22

14:00 - 15:00

Anastasia Pratikaki

Applying Case Studies' teaching technique in Higher Education

Abstract

A case study about the moral development in adolescence and emerging adulthood will be presented during the workshop. Undergraduate Science students, attending Teaching Certificate's modules, are participating in the workshop. Case studies are often used in Educational Psychology, in order to help students deal with difficult scientific and theoretical concepts. Case studies' teaching techniques engage students in active learning by simulating everyday situations and empowering them in problem-solving and decision-making activities. The scenario to be presented refers to a classroom situation and the students will need to reflect on their past experiences at school. The students, via online platform need to answer positively or negatively about the dilemma, but from various perspectives. At the end, the answers of the close-ended questionnaire will be released and students will need to justify their decisions and express their opinion about the dilemma from their own point of view.



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INGENIUM
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Wednesday 22

15:00 - 16:00

Bruna Sinjari & Gianmaria D'Addazio

Revolutionizing Dental Education: The OMG System's Real-Time Guidance

Abstract

Frequently, the dental practice is based on the expertise of the operator to held different treatments techniques which influence the prognosis of the treatment itself. One of the most sensitive operator expertise treatments is the preparing of teeth for prosthodontic purposes. The workshop will treat the use of a new digital teaching tool which will help dental students of every order to improve their skills on preparing teeth.

During the workshop other that the theory part will be demonstrated how the use of the technology helps students but also experts to standardize their protocols not only in the prosthodontic field but also in implantology or oral surgery.



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