

Conference Agenda

Session

SO 4.3: Oral Session 4.3

Time: Wednesday, 05/July/2023: 4:30pm - 5:30pm

Session Chair: Josep Cobarsi

Presentations

The transformation of a subject from traditional methodology to project-based learning (PBL): lessons learned

Ester Carreras-Colom, Sara Dallarés, Francesc Padrós, Maria Constenla, Maite Carrassón, Anna Soler-Membrives

Universitat Autònoma de Barcelona (UAB), Espanya

The transformation process of a subject that followed a traditional-based methodology to a project-based-learning (PBL) approach is described. After the first academic course, changes were implemented in order to balance the supervised group-work sessions and lectures to ensure the learning of fundamental concepts. Surveys conducted on students showed that a high percentage appreciated the change and valued how the development of soft skills would favour them in their career prospects.

Promoting self-regulation through chatbots and peer feedback in online learning

Marcelo Maina, Lourdes Guàrdia, Nati Cabrera, Maite Fernández-Ferrer, Federica Mancini

Universitat Oberta de Catalunya, Espanya

This research addresses the improvement of self-regulation strategies through peer feedback and the use of chatbots. The study presents the evaluation of the design and implementation of an academic essay writing activity supported in a chatbot based on SRL principles and where students were randomly assigned peers for assessment. Two surveys were distributed to collect student perceptions and satisfaction. The results provided insights for a redesign of the activity.

How does the use of activities and resources in the Learning Management System of a higher education institution vary before, during and after Covid-19?

María Abascal Guerrero, Davinia Hernández-Leo

Universitat Pompeu Fabra, Espanya

Higher education institutions (HEIs) have traditionally used the Learning Management Systems (LMS) more for distributing resources than for supporting activities. With Covid-19 and ERT, the usage of LMS evolved towards higher rates of activities. This paper studies the evolution of this ratio over time - before, during and after the pandemic periods. Results show an increase in numbers during the pandemic but a trend towards pre-pandemic levels in the new normality.

The Role of University Economic Incentives and Technology Development Level in Tourism Students' Entrepreneurial Intention

Vera Butkouskaya

UAB, Spain

This study investigates the role of university economic incentives and technology development level as motivating factors to encourage young entrepreneurship. Additionally, the paper examines the possible synergy effect between financial and non-financial motivators. This research provides theoretical contributions to the students' entrepreneurship theory and practical implementations for government organizations and university management.

Descriptive Learning Analytics implementation in the Chemical Engineering subject of the Chemistry undergraduate degree of the University of Barcelona to support the teaching/learning/assessment process

Alexandra Plesu, Alberto Cruz, Alicia Maestro, Rodrigo Soto, Eliana Ramírez Rangel

Universitat de Barcelona, Espanya

Learning Analytics was implemented in the fall semester 2022-2023 of the "Chemical Engineering" course (Chemistry grade) at UB. It was incorporated into Moodle and allows gathering information about learning activity to offer itineraries adapted to students' own pace. No significant academic improvement of the class groups participating is observed. However, students positively appreciate the methodology, as promotes self-learning and autonomy, improving attention and participation in class.

Teaching computational skills with GitHub Classroom

Robert Castelo

Universitat Pompeu Fabra, Espanya

GitHub Classroom gives access to tools that help students learning computational skills. One such tools for software development and IT operations (DevOps), is the possibility of performing continuous integration and delivery (CI/CD) at each student interaction. We use DevOps CI/CD in GitHub to perform formative assessment, speeding up the learning process of skills such as programming and developing reproducible data analysis workflows, when teaching the fundamentals of computational biology.