ReSTI Curriculum & 5-Door Approach to e-Learning

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Excellence in Research, Social and Technological Innovation Project Management – Excellence-in-ReSTI

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The ReSTI Curriculum
5 Modules and 20 Courses

Module 1: EU POLICIES
• 1.1. EU Grant Landscape & Funding Structures
• 1.2. EU Policy Goals and Guidelines
• 1.3. EU Strategy EU 2030 and Beyond

Module 2: PROJECT DESIGN
• 2.1. Introduction to Grant Application Writing & Impact
• 2.2 Advanced Project Development and Application Preparation
• 2.3. Forming a Consortium
• 2.4. Budget Development

Module 3: PROJECT MANAGEMENT
• 3.1. Introduction to Project Management
• 3.2. Risk Management
• 3.3. Financial Management & Reporting
• 3.4. Communication & Dissemination, Capitalization
• 3.5. Exploitation & IPR
Module 4: SOCIAL INNOVATION
• 4.1. Introduction to Social Innovation
• 4.2. Social Innovation: Approaches and Methodologies
• 4.3. Designing and Implementing Social Innovations

Module 5: INNOVATION IN THE BUSINESS CONTEXT
• 5.1. Innovation Sandbox
• 5.2. Introduction to Human-Centered Innovation Practice
• 5.3. Toward Sustainability: Introduction to Nature-Based Innovation Practice
• 5.4. Bringing Innovation to Market
• 5.5. Business Development
The ReSTI 5-Door Approach to e-Learning

• Was developed to address a multitude of learning preferences

• The group also co-authored an article to share the approach with the public by publishing it in the proceedings of the 2018 INTED* conference in Spain, as well as on the Open Source Working Papers webpage (commencing Summer 2018) of the University of Applied Sciences Burgenland.

*International Technology, Education and Development Conference 2018, Valencia, Spain
Based on Kolb Learning Phases

The Research-Based Philosophical Underpinnings

The Kolb Wheel. Authors’ image; consolidated and adapted from Clark, Hay Group, and Bennett & Bennett.

Hay Group, The Kolb Learning Style Inventory (LSI), version 3/1, 2005


Usually, learners go through all four phases of the \textit{Kolb Wheel} in any learning experience, whether they realize this or not, but they do have preferences for a certain sequence.

Ideally, instructors offer content through activation of all 4 phases.

Usually, instructors design their classes and the sequence of learning units according to their own learning style — this will work well for those learners with similar preferences of learning.

The theory in the ReSTI 5-Door Approach is about letting the learner choose the sequence, breadth and depth of their own learning.

\textit{The Kolb Wheel}. Authors’ image; consolidated and adapted from Clark, Hay Group, and Bennett & Bennett.
Based on Thiagi’s 4-Door Approach

http://www.thiagi.com/games/2015/7/31/the-4door-elearning-approach
There are 5 doors and the ReSTI Plaza in each of the 20 courses.

Each door offers the course content in a different way for a different learning style.

Full control of learning journey is given to the learner. Learner may go through curriculum laterally, enter content anywhere and choose breadth & depth of learning.

A course is done when a certain percentage of activities has been completed and/or the assessment has been passed. Assessment is the only “mandatory” door. When all courses have been completed within a module, a badge is earned for a digital backpack. Badges can be earned individually per module, or as a set of 2, 3, 4, 5.

ReSTI Plaza functions as hub for exchanging ideas and experiences asynchronously that are prompted by certain activities.
The ReSTI 5-Door Approach to eLearning

The ReSTI Library Door

information intake

thinking analyzing concluding

lectures videos, animations other dynamic media case studies journal articles e-books online resources activity templates
The ReSTI 5-Door Approach to eLearning

The ReSTI Café Door

information intake

sensing
feeling
relating

engaging not with raw content (as is the case in the library) but with real people in live context
The ReSTI 5-Door Approach to eLearning

The ReSTI Playground Door

information processing

experimenting
doing
acting

explorations
simulations
trial and error experiments
(self-correcting) games
The ReSTI 5-Door Approach to eLearning

The ReSTI Forest Door

information processing

watching reviewing reflecting

individual reflection upon particular content items and/or activities where learner takes an observer role
The ReSTI Assessment Door

measuring success

ways to probe for knowledge acquired and skills honed through automated scoring.
The ReSTI Plaza

exchanging learnings

prompted by activities participants leave bread crumbs for other learners

strolling through learnings from other participants or experts
Reaching through the 5 Doors

15:30–17:00
Cafeteria on 1st Floor
The ReSTI 5-Door Approach to eLearning

Technical Demo