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Title: Design Thinking

Annotation:

There are different techniques that can help students learn to think in an innovative way and develop problem solving skills. Design Thinking is one of these methods; it consists of various creative steps that lead to a solution of a problem/invention of a new product etc. Since *Design Thinking is a creative process based on the "building up" of ideas*[1] , this didactic material not only helps explain the idea of this method to the students but also offers a framework for a practical group work.

Key Competence:

Ability to use design thinking as a problem-solving method.

Expected Output:

Students know what main steps of design thinking are and can use the knowledge in problem solving and invention of new products/services.

Keywords: design thinking, innovation, management, product development, problem solving

Objectives of the course:

-To understand how design thinking approach can be used in innovation and problem sovling processes.

-To practically try out steps of the design thinking process.

Duration: 1.5 h 📋 ppt presentation

Theoretical part – explanation of the content:

The lesson plan is based on **a presentation** which consists of two main parts:

- Introduction of the design and design thinking concepts (which can be accompanied by a discussion; **slides 1-7**)
- Practical group work (**slides 8-15**)

During the introduction of design thinking method the 4Cs of design process are introduced to students: Creativity, Complexity, Compromise and Choice (Slide 6). The educator can stress that these 4 Cs should not be forgotten later during the group work stage.

For the group work students can be divided into groups of 4-5 people. They should gradually complete tasks in each slide by following the time frame. Teacher's role is to explain the task and participate as a mentor during the completion of the tasks.

Useful links:

- **Introduction to Design Thinking:** https://experience.sap.com/skillup/introduction-to-design-thinking

References:

- https://www.huffingtonpost.com/soren-petersen/what-is-a-design-expert_b_1428817.html
- http://slideplayer.com/slide/5894743/
- https://experience.sap.com/skillup/introduction-to-design-thinking