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| Module title Innovation Lab | | | | |
| Module code DINL | Level Bachelor (B.Sc.) | Hours per week 4 | ECTS credits 5 | Duration 1 semester |
| Module instructor Prof. Dr. Heckner | | Lecture type Seminar with project work | Prerequisite(s) - | Grading Project and final presentation |
| <p>Objectives During the course students will work in small groups on concrete challenges coming from an industry partner (e.g. Continental, Kronos, Bosch Siemens Hausgeräte, ...), using the Design Thinking process and agile project management.</p> <p>Upon completion of this course students will have gained the following:</p> <ul style="list-style-type: none"> • Understanding of the Design Thinking process and its phases • Understand the current role of Design Thinking and the importance of innovation for companies • Recognize the importance of user feedback in innovation projects • Ability to transfer outputs of a Design Thinking project into an agile project managed with Scrum • Ability to apply the Design Thinking innovation methodology in concrete innovation projects • Understand theoretical foundations behind Design Thinking | | | | |
| <p>Content</p> <ul style="list-style-type: none"> • Introduction to Design Thinking • Introduction to agile project management (Scrum) • Introduction to theories behind design thinking • Course project <ul style="list-style-type: none"> ○ Design thinking workshop - Students will work on a challenge by an industry partner ○ Project phase ○ Final presentation | | | | |
| <p>Textbook/teaching material</p> <ul style="list-style-type: none"> • Own lecture notes • Alvares de Souza Soares, P. (2016). Design Thinking - eine neue Denkschule erobert Deutschlands Strategie-Abteilungen. Online verfügbar: http://www.manager-magazin.de/magazin/artikel/design-thinking-eine-kreativitaetstechnik-erobert-konzernzentralen-a-1086472. Html • Dark Horse Innovation. (2017). Digital Innovation Playbook. Hamburg: Murmann Publishers GmbH. • Ubernickel, F., Brenner, W., Pukall, B., Naef, T. & Schindlholzer, B. (2015). Design Thinking - Das Handbuch. Frankfurt: Frankfurter Societäts-Medien GmbH. | | | | |

Note: this is not the official course descriptor according to the "Studien- und Prüfungsordnung" (SPO)