

information systems

service design

a course prepared
by yves pigneur

“ Service Design helps to innovate (create new) or improve (existing) services to make them more useful, usable, desirable for clients and efficient as well as effective for organizations. It is a new holistic, multi-disciplinary, integrative field. ”

— Stefan Moritz. *Service Design - Practical access to an evolving field*. lulu.com, 2005: 245 p.

About the course

The importance of the service economy is widely recognized. New information technology, Internet, the social networks and web 2.0, have redefined the ways of conducting business, providing new e-services, new customer experiences, new work practices, and new business models competing in the global market place.

The course integrates principles suggested by the design thinking, applied to business service design. The course introduces concepts, frameworks, and tools for designing new “front stage” services, “back stage” processes, and business models. Learning will be accomplished through lectures, readings, case studies, and group co-design sessions.

Upon completion this course, the participants will have a general understanding of the current state and trends in service design, and be aware of design tools (scenario, storytelling, task analysis, hand-sketching, brainstorming and ideation, mind mapping, cognitive walkthrough, and others).

More specifically, the participants will be able to use these design techniques for (a) designing services, (b) re-engineering business processes, and (c) co-creating business models for innovation.

The first part presents the “front stage” view of services, and explores techniques for designing services, analyzing the customer tasks, defining use cases and scenarios, prototyping e-services, and defining service quality.

The second part deals with the “back stage”, and presents tools and models for

re-engineering business processes and taking care of service productivity.

The third part illustrates and examines the co-design of business models for improving innovation.

Evaluation

For grading purpose, activities will be issued based on the following scheme: (a) 20% for the class participation, blog posting, and mini-projects, and (c) 80% for a three-hour written closed-book exam (same conditions for retake).

Group projects

During the semester, student will conduct three group mini-projects, and prepare an abstract, comments and questions for nine assigned papers. The deliverables have to be uploaded on the group blog on due dates (no later than 6pm the day before the next class session). Further details on the objectives and contents will be presented during the course.

Plagiarism

Copying work from the Internet or other sources without reference or acknowledgement is considered plagiarism and subject to disciplinary action, as enforced by the University of Lausanne.

Web site

<http://www.hec.unil.ch/yp/SI>

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INTRODUCTION

1. service innovation managing as designing service design

BUSINESS SERVICE

2. service scenario and storytelling
3. task design and use case modeling
4. service quality and prototyping
5. first mini-project (service)

BUSINESS PROCESS

6. service blueprinting and visual storyboard
7. business process design and workflow modeling
8. productivity and simulation
9. second mini-project (ideaplay)

BUSINESS MODEL

10. business model canvas
11. design patterns modeling
12. innovation assessment
13. third mini-project (business model)

Bibliography

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¹ The students can access the BCU digital library (<http://www.unil.ch/codul/page26769.html>) for consulting many useful databases (ABI/Inform, Business Source Premier, ScienceDirect, Blackwell, Ingenta, Kluwer, JSTOR, ...).