

5.2.2 Course module “Technikfolgenabschätzung”, DHBW Karlsruhe

The NextEducation research group at the DHBW Karlsruhe is currently piloting tools and methods of FS reflection in course modules such as “Technikfolgenabschätzung von Digitalisierung” (translation: impact assessment of technologies and digitalisation) with business informatics students, aiming at a high level of reflection of learning and group working processes as well as emphasising the importance of ethical reasoning and competence. For this, the course sessions are designed to always include a “FS micro module”, more precisely time and tools for individual reflection of one’s own learning process and a group-directed reflection of the learning and working process. These micro modules are based on Ehlers’ 17 FS profiles (Ehlers, 2020) and constantly further developed in co-creation with students.

These tools have been developed and are currently piloted in the course:

- Before the first session: FS concept video and survey: Which FS matter to you and how competent do you feel with them?
- During the first session: discussion of and reflection on survey results; self-reflection tool template is being introduced; expectations and hopes as well as personally significant FS are filled in
- Each session: FS micro module consisting of reflection of one’s learning process and comparison via Mentimeter³ as well as a group assessment with time for discussing the results within the group afterwards
- Last session: self-reflection tool template: looking back, comparing and reflecting