

## Design of technology enhanced learning (TEL) environments

<b>Instructors</b>	Dr. Jill Fresen Senior Learning Technologist, Oxford, United Kingdom Estelle Drysdale Instructional Designer, University of Pretoria, South Africa
<b>Content</b>	This course provides an overview of the use of digital media in a variety of educational settings, designed to identify properties, strengths, and weaknesses of digital media in different learning contexts. The basic psychological processes of perception, understanding, and learning with educational media will be introduced, with a focus on instructional design for technology enhanced learning environments and stand-alone learning objects. Students will identify and explore a variety of digital learning materials and apply instruments to evaluate them. Topics will include collaborative learning technologies, open educational resources, the impact of media on learning outcomes, methods of evaluation, quality assurance, and project management of TEL initiatives.
<b>Learning Outcomes</b>	At the end of the course, students should be able to: <ul style="list-style-type: none"> <li>— Define learning with multimedia and open educational resources (OER).</li> <li>— Describe the development of media in the history of technology enhanced learning (TEL) as a function of interaction and independence.</li> <li>— Identify the basic psychological processes involved in TEL.</li> <li>— Explain design principles for TEL.</li> <li>— Explore various models and pedagogical criteria in evaluating learning materials.</li> <li>— Apply an instrument to evaluate the quality of digital educational resources.</li> <li>— Develop a proposal for designing and implementing a TEL project.</li> </ul>
<b>Teaching Format</b>	Internet-based discussion forums, group activities, learning activities, webinars, self-study
<b>Maximum Enrollment</b>	Maximum 22 students
<b>Prerequisites</b>	Proficiency in internet and Microsoft Office use; self-organisation skills
<b>Requirements for Awarding ECTS Credits</b>	Students must successfully complete learning activities (PASS/FAIL) throughout the course, as well as regularly participate in discussion forums and group activities. ECTS points will be awarded upon successful completion of the portfolio, which includes the results of all course learning activities (e.g., brief essay, case study, expert interviews, report, reflective learning journal, small group project, debate, bibliography/annotation).
<b>Credit Points and Hours</b>	6 credit points 180 hours (self-study: approx. 80 hours; learning activities: approx. 80 hours; participation: approx. 20 hours)
<b>Course Frequency</b>	Every summer semester
<b>Grading Scale</b>	1,0 / 1,3 / 1,7 / 2,0 / 2,3 / 2,7 / 3,0 / 3,3 / 3,7 / 4,0 / 5,0
<b>Length</b>	15 weeks
<b>Dates</b>	Start: 02 May 2022 End: 14 August 2022
<b>Fees</b>	900 Euro