

E-Learning Strategy of the University of Duisburg-Essen (UDE) Building a Successful Digital Campus

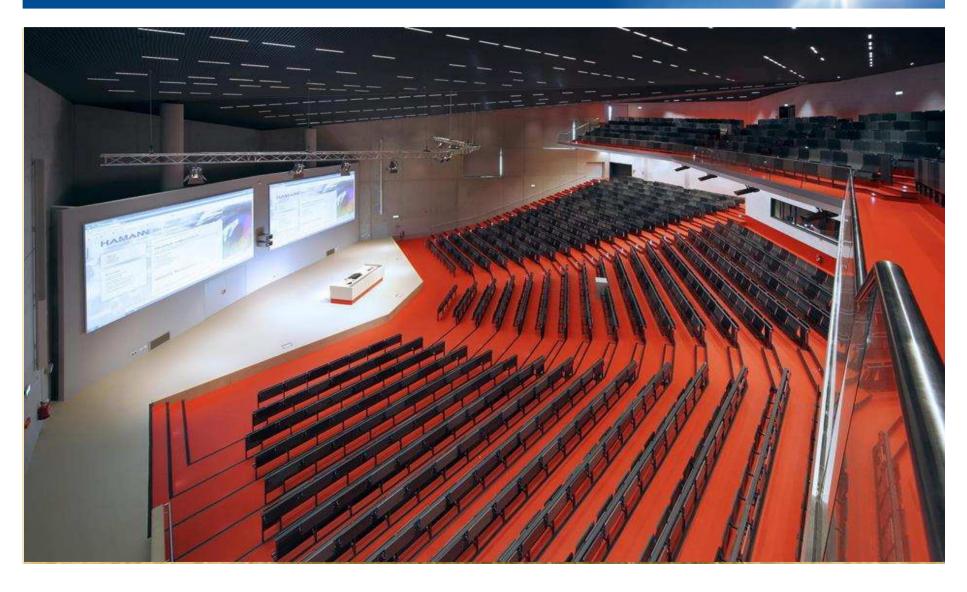
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E-Learning: What Does it Look Like at UDE?



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Focus on Blended-Learning



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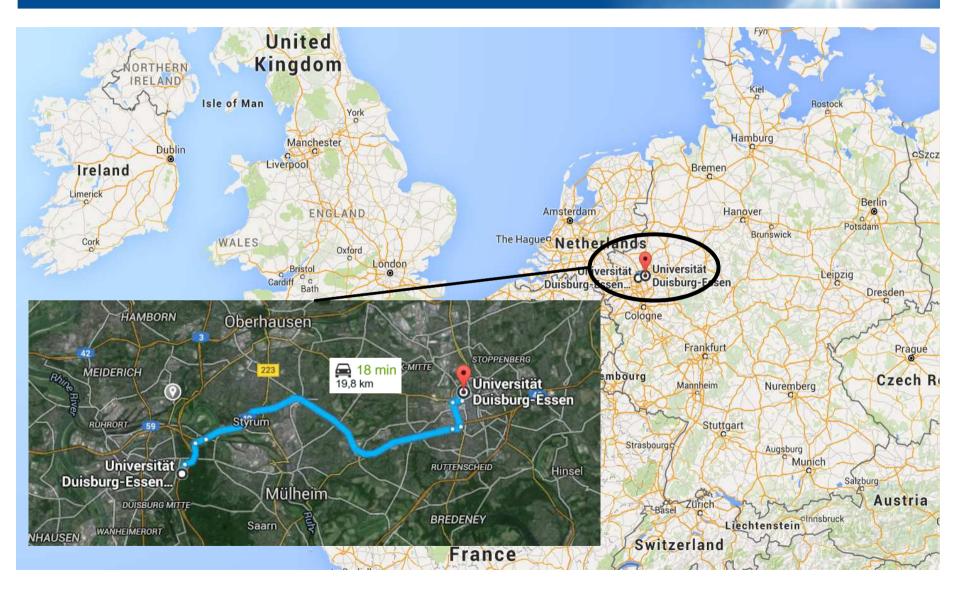
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A Two Campus University



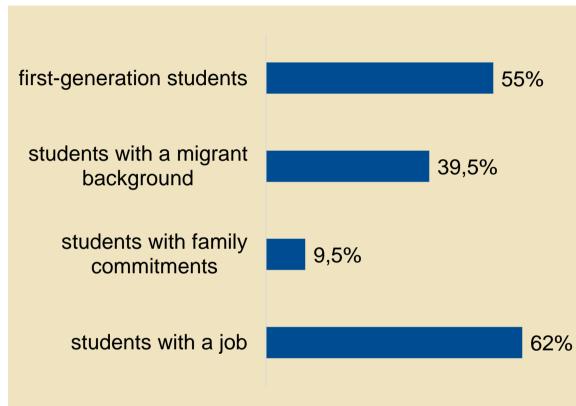
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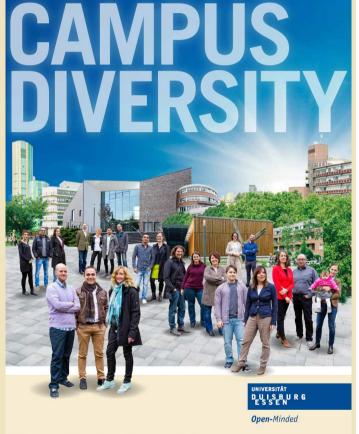


The Need for Greater Flexibility: Some Key Data (UDE)



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Sources:

¹⁺² UDE-Survey of First-Semester Students, undergraduate study programs, 2014/15 (n=3.718)

³ UDE-Panel Care Responsibilities, 2014/15 (n=1.069)

⁴ UDE-Study-Panel, 2014/15 (n=714)

Diverse. Together. Successful.

brochure on diversity and diversity management at the UDE

Main Objectives and Expectations



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(1) Flexibilisation

for more compatibility of study and private life
 (e.g. to earn one`s living, family responsibilities)

(2) Quality Development

for another use of face-to-face learning time with more comprehension oriented interaction and feedback (e.g. inverted classroom concept)

Expectations

- until 2020: implementation of at least one comprehensive e-learning tool in each study program offered at the UDE
- academic success: increasing number of graduates who complete their studies nearly within the standard period of study

e.g. by implementing an inverted classroom-model, integrating interactive experiments, including self-learning units and podcasts, making use of e-assessment tools

Strategy Development/ Timeline



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2011 Developing a
Strategy for Teaching and
Learning ("University of
Potential"): Importance of
e-learning: "Expanding the
virtual and material
learning space"

2012 Decision of the rectorate in consultation with the deans:
Need for the UDE to strategically focus on e-learning

2014 agreeing on the strategy paper and starting a two-year initial phase

2013 first draft >> university board, faculties, committees

2011 Quality Pact for Teaching (funded by the BMBF+Länder): approx. 15% of the supported projects in the field of E-Learning

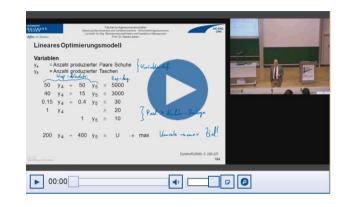
2009 University Development Plan (2009-2014): "Extending the range of offers in the fields of e-learning."

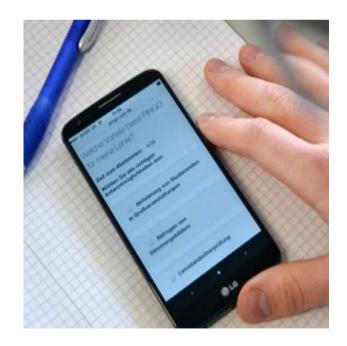
Getting Started: Start-up Phase E-Learning 2014-2016



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- 10 courses (1 per faculty, focus on large-scale lectures)
- Choice: bottom-up through every faculty
- Based on a project outline out of which workflows have been generated
- Support of 10 project partners in two stages (5 projects each) between 2014/15 and 2015/16
- Offering both technical assistance and assistance in the development of a mediadidactical concept
- Status reports on a regular basis in both internal and external presentations





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Inverted / Flipped Classroom

before class: students read or watch lecture

during class:
range of activities,
discussions etc. led
by professor but
centered on students

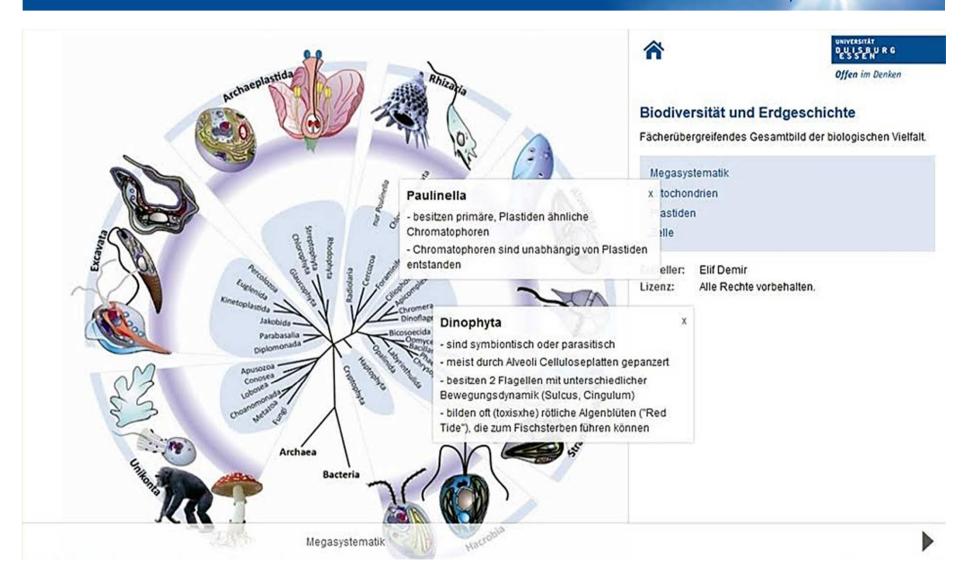
consolidate understanding



source: http://ii.library.jhu.edu/tag/flipped-classroom/



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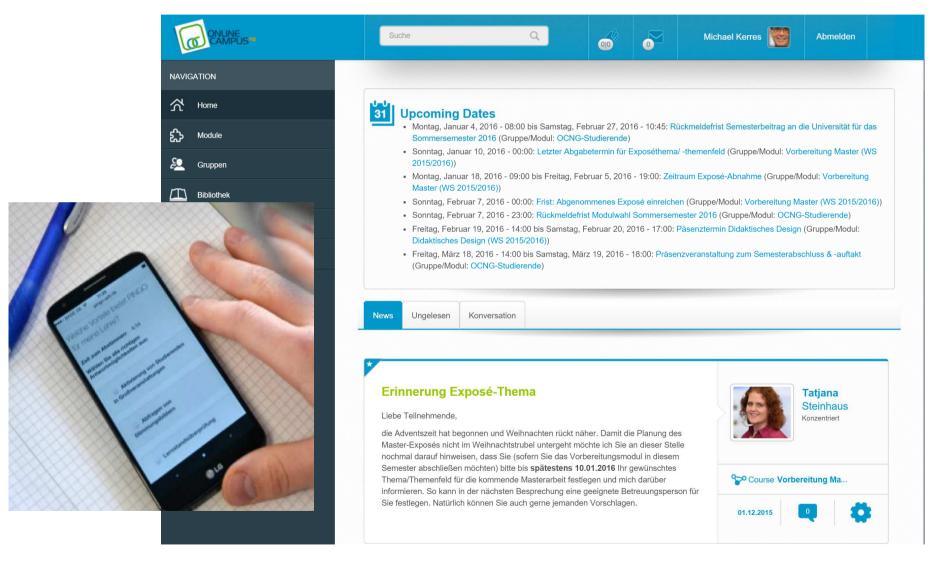
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Learning Infrastructure, Supporting Structure, Multimedia Equipment



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- Usage of the e-learning platform Moodle to provide course and learning materials
- Usage of the online database "Semesterapparat" (online literature collection for the semester) at DuEPublico-server
- Online e-exams (L-PLUS), e-assessments (JACK, by now established in many departments)
- E-portfolios (Mahara, especially in teacher training)
- Broadcasting and recording of lectures
- PC-Hall, 250 workstations



Organisational Framework



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5 key players (e-alliance):

- (1) Centre for Higher Education and Quality Development
- (2) University Library
- (3) Centre for Information and Media Services (ZIM)
- (4) Center for Teacher Education (ZLB)
- (5) Chair of Educational Media and Knowledge Management Faculty of Educational Sciences

Steering committee + Vice-Rector for Teaching and Learning

Service Team: didactical and technical support











Getting Started

Supporting Workshops throughout the year:

- (1) Technical expertise: e-assessment software JACK and LPLUS, Adobe Connect as well as other video conferencing systems; copyright
- (2) Didactical and methodological expertise: experienced teachers and professors introduce learning and teaching scenarios

E-Learning Networking Day: once a year



E-Learning-Website: www.uni-due.de/e-learning/



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E-Learning an der Universität Duisburg-Essen

E-Learning an der Universität Duisburg-Essen Kurse ▶ Verschiedenes E-Learning an der Universität Duisburg-Essen NAVIGATION Bitte wählen Sie einen Bereich Meine Startseite Website-Start Wie kann ich die Zusammenarbeit meiner Studierenden unterstützen? Website Mein Profil Dieser Kurs Wie kann E-Learning mich bei der Kommunikation mit meinen Studierenden in der E-Learning an der Universität Präsenzveranstaltung unterstützen? **Duisburg-Essen** Teilnehmer/innen Auszeichnungen Wie kann E-Learning mich bei der Kommunikation mit meinen Studierenden bei Online-▶ Bitte wählen Sie einen Aktivitäten unterstützen? ▶ E-Learning-Strategie Moodle course for self study, "how can I"... improve communication online / during the lesson improve collaboration between my students adapt a flexible concept including Moodle...





Mit ihrer E-Learning-Strategie ist die UDE Preisträger des deutschen Arbeitgeberpreises für Bildung 2015! Weitere Informationen finden Sie hier.

Kontakt

Bei Fragen und Anregungen zum Thema E-Learning an der UDE wenden Sie sich bitte an

e-learning@uni-due.de

Newly Appointed Professors: Goal and Performance Agreements with the Rector



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Goal & Performance Agreement: E-Learning and Further education (examples)

- Sit in on lectures to analyse its media-didactical potential. Additional consulting will be provided by the ZIM and the ZfH.
- Training courses/ workshops, internal or external hosts
- Moodle self-learning course, topic e-learning
- Coaching to improve skills
- How-to plan, conceptualize and realize teaching lessons e.g. using video recording, e-assessment tools for examination

For advanced teachers (examples)

- How-to plan, conceptualize and realize teaching lessons according to the elearning-strategy
- How-to plan, conceptualize and realize concepts for the institute, faculty
- How-to plan and realize workshops for colleagues



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Evaluation of the projects in the initial phase of the e-learning strategy:

Students (online survey)

Teachers and faculty management (guided interviews)

University-wide online-survey

- (1) Prior experiences with e-learning
- (2) Attitude towards digital teaching
- (3) Actual usage of digital elements, tools
- (4) Readiness for future usage of e-learning

Open Questions:

- 1. Which (technical, didactical) support do you need to realize your ideas?
- 2. Which incentive systems should be developed to further support E-Learning?



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Conception phase of the strategy

- 1. Relevance of e-learning in the context of the university's development plan: quality development and specific students' needs
- 2. Voluntariness of the process and no negative impact on teaching load

Implementation phase

Support for media-didactic conception and technical realization

>> time for teachers to focus on subject content and the support of their students

Outlook: Enhancing the Overall Strategy



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University development plan 2016-2020: e-learning is to bind more closely to the university's strategic aim to be an open institution

- Further developments with focus on user-demands: improving technical and higher educational didactic support (permanent and of high quality)
 - → stable financial concept
 - → pilot project: cooperation with other universities
- Structural/ curricular integration of e-learning: from single lectures to modules and larger units in study programs
- Future trends: Open Educational Resources, Open Learning



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Thank you for your attention!

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