MOOCs and E-Learning at LMU

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Ludwig-Maximilians-Universität München

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EUA Annual Conference

Historical development

- **Ca. 1970**
    - Arpanet
    - Computer-Based Training (NSF)

- **Ca. 1990**
    - Internet and Laptops
    - PowerPoint

- **Ca. 2000**

    Digital media change learning and teaching

    - Digital administration of teaching

    - Digital teaching material in internet and intranet

    - Interactive online learning und assessment

    - Online teaching

From theatre to video game

- Large lectures are taught in the internet and enriched with interactive learning assessments

- Podcasts of lectures, video clips, e-tutorials are „normal" educational materials

From direct discussion to online seminar

- Learner groups are not bound to any loacation through social media

From questionnaires to learning analytics

- Fine grain analysis of teaching enhances evaluation by questionnaires

From standardized teaching to individualized studies

- Online lectures multiply teaching offers

- Combination of online lectures and individual tutoring opens the way to personalized studies
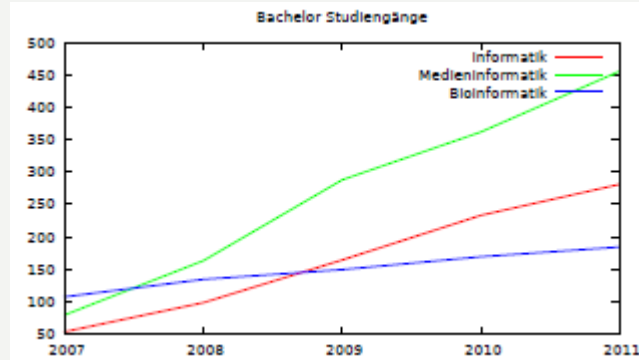
- **Enhancing quality of teaching and learning**
  - supporting "classical" teaching by digital media and digital interaction
  - new teaching formats

- **Supporting student diversity**
  - Students in special situations of life
  - Longlife learning
  - Mobility of students

- **Fostering national and international awareness**

LMU at

Coursera

- Since 2013
- 8 + 2 chinese lectures
- ~ 800.000   learners
- ~ 6.89 Mio.   views

        &. downloads

Ludwig–Maximilians–Universität München (LMU)

As one of Europe's leading research universities, LMU Munich is committed to the highest in standards of excellence in research and teaching. Building on its 500-year-tradition of schol covers a broad spectrum of disciplines, ranging from the humanities and cultural studies th economics and social studies to medicine and the sciences.
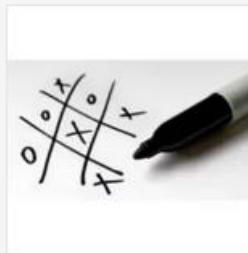
竞争策略 （中文版）
Available now
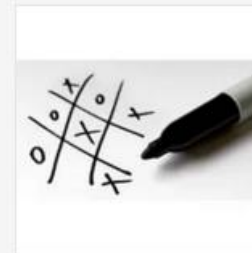
Competitive Strategy
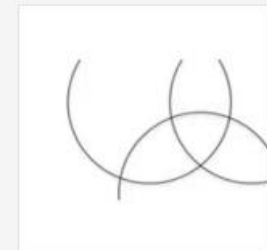Available now
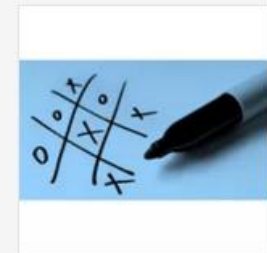
Advanced Competitive Strategy
Available now

高阶竞争策略 版)
Available now

Theatre and Globalization

Programmed cell death

Introduction to Mathematical Philosophy

Introduction Quantum O
Available now

Learning analytics: Coursera Dashboard:
"Competitive Strategy" session based course
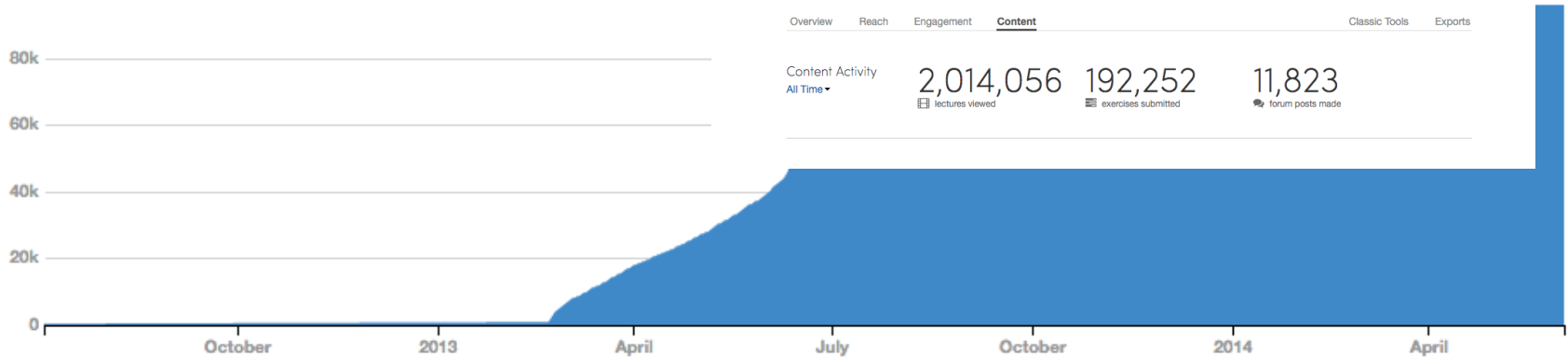
iTunesU

- OERs

- since 2007

LMU at iTunesU

- since 2009

- Tonspur Forschung (Audio)

- Science Cast (Video)

- Lectures, e-tutorials
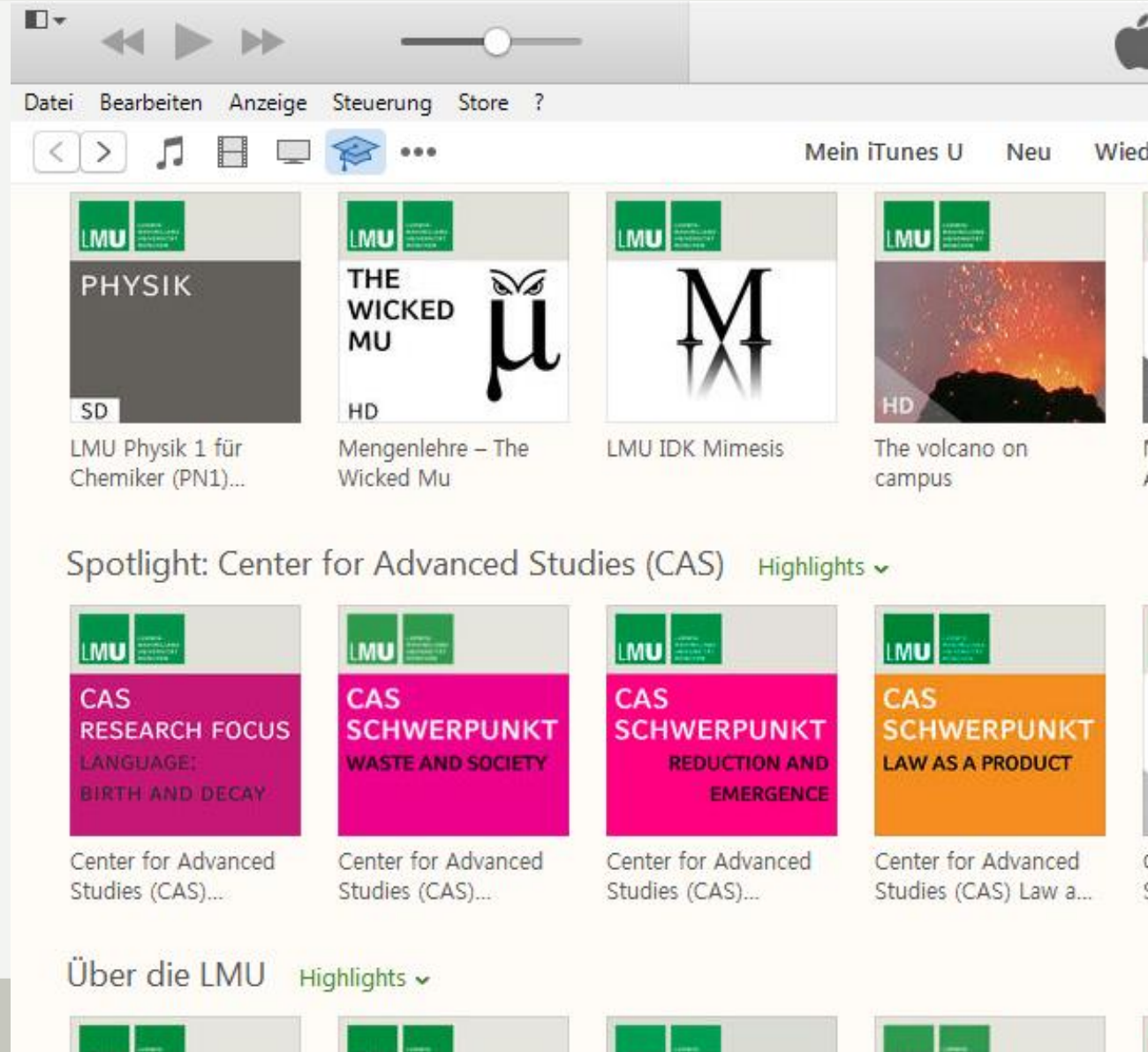
- 7.265.522 GB deliveries since2009

- **Organisational measures**
  - eUniversity team
    - infrastructure, media design and production
    - consulting and e-learning community

- **Online education**
  - vhb online courses
  - MOOCs and flipped classroom
  - podcasts of lectures
  - digital media in teaching and course guidance
    - iTunesU, e-tutorials, self assessments

- **Further development**
  - Incentives: less teaching obligations, vhb grants, exploratory grant program (from 2017)
  - New teaching formats and learning analytics

Watch intro video

Watch intro video

- Teaching is becoming more open and comparable, requirements for quality of teaching are rising

- Learning is getting independent of location and (often) of time

- Universities are becoming global providers of education and compete globally for (the best) students

- Universities are becoming providers of continuous education