Summer 2020

Semester Module Handbook
Content – Learning Outcomes – Instructors – Dates

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Contents

Required Modules

mtl100 Principles, theory, and practice of technology enhanced learning (TEL) ................................................................. 1
mtl115 Design of technology enhanced learning (TEL) environments ......................................................................................... 2
mtl125 International and transnational educational issues in technology enhanced learning (TEL) .............................................. 3

Elective Module

mtl220 Change management and innovation for technology enhanced learning (TEL) ................................................................. 4
mtl100 Principles, theory, and practice of technology enhanced learning (TEL)
Required Course

Instructors
Dr. Susan Bainbridge, Sessional Instructor | Athabasca University, Canada
Dr. Paul Prinsloo, Research Professor in Open and Distance Learning (ODL) | University of South Africa, Pretoria, South Africa

Content
This course will study the history and evolution of distance education and technology-enhanced learning (TEL). A selected range of social and political/economic factors, theories, learning and teaching models, technology and media innovations, institutions and systems, and major writers that have shaped the development of the field will be critically examined. A variety of technologies will be used to support the development of foundational skills and a personal learning environment that are integral to current practice. Students will also be asked to periodically reflect upon opportunities and barriers that are characteristic of higher education within their local institutional and national context.

Learning Outcomes
At the end of the course, students should be able to:
▪ Identify the unique characteristics of distance education and TEL.
▪ Describe the major influences in the evolution of distance education -- social, economic, cultural and political -- from its early beginnings to current IT-based practices.
▪ Identify the key authors and theorists in distance education and TEL and analyse their contributions to the field; including applications and adoption within the student’s educational context.
▪ Describe how distance education methodologies have changed over time, in particular how the roles of teacher and learner have evolved concurrently with new innovations.
▪ Describe various types of distance education institutions and the relevance of a systems approach to teaching and learning.
▪ Analyse the impact of technological changes on the nature of teaching and learning in distance education and TEL.
▪ Navigate and use an online learning environment, shared virtual spaces, and social media for the purpose of learning, documenting learning, and creating content.
▪ Master and apply research and writing skills for the purpose of critically analysing issues and topics discussed in relevant literature, synthesising findings, and communicating ideas and arguments with supporting evidence. (Note: All courses will have a research theme/focus)
▪ Learn collaboratively by using shared virtual spaces and networks to create content and successfully complete assigned team projects.
▪ Reflect on learning and articulate changes in thinking, feeling and behaviour.

Teaching Format
Internet-based discussion forums, group activities, learning activities, webinars, self-study, online seminars with guest experts

Maximum Enrollment
maximum 22 students

Prerequisites
Proficiency in internet and Microsoft Office use; self-organization skills.

Course Use
Required course. This course is required as the first course of the MTEL program.

Requirements for Awarding ECTS Credits
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).

Credit Points and Hours
6 credit points
180 hours (self-study: approx. 80 hours; learning activities: approx. 80 hours; participation: approx. 20 hours)

Course Frequency
The module will be offered once per semester.

Grading Scale
1,0 / 1,3 / 1,7 / 2,0 / 2,3 / 2,7 / 3,0 / 3,3 / 3,7 / 4,0 / 5,0

Length
15 weeks

Dates
April 6, 2020 – July 19, 2020

Fees
900 Euro
mdl115 Design of technology enhanced learning (TEL) environments

Required Course

Instructors
Dr. Jill Fresen
Senior Learning Technologist | Oxford, United Kingdom
Prof. Dr. Olaf Zawacki-Richter
Director, Center for Lifelong Learning (C3L) | Carl von Ossietzky University Oldenburg, Germany

Content
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.

Learning Outcomes
At the end of the course, students should be able to:
▪ Define learning with multimedia and open educational resources (OER).
▪ Describe the development of media in the history of technology enhanced learning (TEL) as a function of interaction and independence.
▪ Identify the basic psychological processes involved in TEL.
▪ Outline the basics of sensation and perception in processing multiple media.
▪ Explain the rationale of design principles for TEL.
▪ Identify the opportunities for learning and teaching that TEL affords.
▪ Apply an instrument to evaluate the quality of multimedia (open) educational resources.
▪ Develop a proposal for a TEL project.

Teaching Format
Internet-based discussion forums, group activities, learning activities, webinars, self-study

Maximum Enrollment
maximum 22 students

Prerequisites
Proficiency in internet and Microsoft Office use; self-organization skills; mtl100

Course Use
Required course

Requirements for Awarding ECTS Credits
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Course Frequency
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Grading Scale
1.0 / 1.3 / 1.7 / 2.0 / 2.3 / 2.7 / 3.0 / 3.3 / 3.7 / 4.0 / 5.0

Length
15 weeks

Dates
April 20, 2020 – August 9, 2020

Fees
900 Euro
# mtl125 International and transnational educational issues in technology enhanced learning (TEL)

## Required Course

### Instructors
Dr. Don Olcott, Jr.
Global Higher Education Consultant | Bucharest, Romania

### Content
This course will examine the development and current landscape of global open and distance education across developed and developing countries. Key topics will include cross-border partnerships, emerging business models, academic quality, cultural and linguistic opportunities and challenges, and innovative packaging of content including MOOCs and open educational resources. Additionally, the module will compare and contrast key global professional and international associations (e.g., UNESCO, ICDE, AAOU, OECD, EDEN, USDLA, and The World Bank) the resources these organizations offer, and their diverse roles in promoting internationalism, global trade, and the quality assurance and management of global educational services. A major theme of the module will be providing examples and case studies for comparative analyses amongst a variety of open and distance learning providers representing single and dual mode institutions and ODL universities/organizations from developed and developing countries. Private sector providers and government agencies will also be covered in these analyses.

### Learning Outcomes
At the end of the course, students should be able to:
- Critically reflect on the concepts of globalization, internationalization and development.
- Identify strategic trends and uses of open and distance learning (ODL) in global contexts.
- Critically reflect on the relevance of indicators in quality and effectiveness of global ODL.
- Assess the importance of education for development, particularly in emerging countries.
- Critically analyse strategic leadership principles including cultural agility, cross-border education, the role of language and culture in ODL, and regional and global drivers of economic and workforce development.
- Assess the changing conditions for education and ODL under the pressures of globalization and cross-border higher education.
- Identify various applications of technology enhanced learning (TEL) in the context of non-formal education, including new forms of packaging content and credentialing.
- Learn about the different uses of TEL in supporting K-12 schools and teacher education.

### Teaching Format
Internet-based discussion forums, group activities, learning activities, webinars, self-study, online seminars with guest experts

### Maximum Enrollment
maximum 22 students

### Prerequisites
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### Course Use
Required course

### Requirements for Awarding ECTS Credits
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### Grading Scale
1,0 / 1,3 / 1,7 / 2,0 / 2,3 / 2,7 / 3,0 / 3,3 / 3,7 / 4,0 / 5,0

### Length
15 weeks

### Dates
March 30, 2020 – July 12, 2020

### Fees
900 Euro
mtl220 Change management and innovation for technology enhanced learning (TEL)
Elective Course

Instructors
Dr. Aras Bozkurt
Vice Director of Learning Technologies Research and Development | Anadolu University, Turkey
Prof. Dr. Albert Sangrá
UNESCO Chair in Education and Technology for Social Change, Universitat Oberta | Barcelona, Spain

Content
Change continually shapes and influences every day institutional operations. Change must be learned, however, and any project that results in or promotes change in organisations requires professional management of that change. This course will concentrate on a systematic approach to (planned) changes and conducts an in-depth discussion into the tasks and challenges of and coping mechanisms for change management, with a specific focus on issues surrounding implementation of technology within learning environments and educational institutions.

Learning Outcomes
At the end of the course, students should be able to:
- Describe the need for and goals of change management.
- Outline models of change management and how these models can be implemented within TEL organisations.
- Describe the role of staff and management leadership within change processes.
- Identify (incentive) tools for supporting management of change, as well as recognise limitations of the tools.
- Develop recommendations and action plans for managing change within TEL organisations.
- Possibilities of communication and participation in the change of and in organisations can show.

Teaching Format
Internet-based discussion forums, learning activities, webinars, self-study

Maximum Enrollment
maximum 22 students

Prerequisites
Proficiency in internet and Microsoft Office use; self-organization skills; mtl100

Course Use
Elective course

Requirements for Awarding ECTS Credits
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Length
15 weeks

Dates
May 18, 2020 – August 30, 2020

Fees
900 Euro