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Development of Regional Joint Master Program in Maritime Environmental Protection and Management - MEP&M -

OVERVIEW ON BLENDED LEARNING METHODS, TECHNICAL POSSIBILITIES AND MEP&M RELATED REQUIREMENTS

Overview of MSc programs in field of MEP&M at EU HEIs (WP1)

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MEP&M – methods of delivery

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- UL partner contributes with its expertise and knowledge about online/blended/digital learning
 - The aim is to define and select the most suitable methods of study program delivery in digital formats
- It encompasses:
 - Pedagogical aspects – how much theoretical/practical knowledge will be delivered in digital form? Are students going to be required to perform practical results, e.g., small projects, seminars? How much teamwork is envisaged? Is the study going to be “research” oriented? What other methods should we include? This is based on the subject matter experts and the content
 - Technical aspects: What technologies, LMS, video lectures, collaborative work online platforms... should we envisage? Multimedia equipment in the classrooms? Most urgent(!) but without at least the basic pedagogical requirements, we can't progress
 - organizational aspects: defining the digital learning process in detail. Things to have in mind from the organizational perspective. Probably blended?
- UL will need answers from WP1, to include the basic info into the state-of-the-art doc. and to be able to specify equipment until the summer

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Blended learning

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- Part of the study process is performed live, part online.
 - The extent of live/online
- Technologies used:
 - LMS as the core platform to organize the learning process with some content, tasks, submissions of students work, collaborate, schedule...;
 - Videoconferencing for lectures, meetings, discussions
 - Supportive applications for live or online: Mentimeter, Padlet, Quick Polls
 - Developing interactive content? iSpring, H5P?
 - Multimedia equipped classrooms?
- Remote lectures – students are in classrooms (similar to traditional learning) or online?
- Laboratory work? Simulators? Online or in classrooms?

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Multimedia equipped classrooms

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- To support:
 - Simple and automatic video lectures performance (hybrid learning) and recording
 - Using previously mentioned applications in the classroom
- Includes:
 - Cameras, speakers, microphones, additional equipment necessary, networking, classroom computer, etc.
- Related technology
 - Multimedia repository software (for content and delivery of content)
 - Lecture capture software
 - Hardware
- Definitely something we will need in this project;

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Hardware and software for online learning

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- LMS
 - Selection, implementation, integration with student information system (?)
- Videoconferencing tool
 - Selection, licencing, integration with LMS
- Other applications in the cloud

- Hardware
 - server(s) for the LMS or other applications
 - videoconferencing may be hosted, other applications as well
 - but there are alternatives: selecting the software that would provide videoconferencing, repository, lecture capture, video content delivery, install it at the premise;

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Requirements

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- We need to agree as soon as possible on the basic format of the studying program
 - How much online, what online?
 - We need to define the pedagogical methods for online: based on the content (subjects), based on that, we estimate at least basic pedagogical approaches;
 - The same for technologies
- Therefore, we propose that the part of the document we will develop in this WP, related to the content of the MEP&M should be delivered as soon as possible, so that we can see whether we have sufficient information to perform our part;
- Also, close cooperation with the subject matter experts will be needed at this point

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Questions and remarks?

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