SHE School of Health Professions Education

Problem & Project Based Learning, *A Critical Appraisal*

"We need good research on task-centered learning environments to go beyond traditional PBL and make the best use of new technologies."

Professor Jeroen van Merriënboer, Programme Coordinator

ONLINE EDUCATION

Convenience and flexibility, career advancement and continuation in your profession

⭐ **MSc⁺ Courses**

FAST FACTS:
- 6-week online course, advanced level. Study load: approx. 1day/week
- Strongly oriented on research and the latest developments in task-centered learning environments
- Closely related to your own research project
- Date: 6 April 2020. Registration deadline: 1 March, 2020
- Course fee: €750

PROGRAMME INFORMATION:
Medical education is moving more and more from traditional learning environments to more realistic tasks employing new technologies, such as high-fidelity simulations or virtual patient encounters in e-learning environments. However, this transition is not straightforward. Good research is necessary to find evidence for what works and what does not. The aim of this advanced course is for participants to familiarize themselves with research on task-centered learning environments and develop a critical view on the quality of research designs and reports. Over the course of 6 weeks, you explore the horizons in your research domain, and acquire a deeper understanding and a critical view of research relating to your own PhD project.

OBJECTIVES:
- Acquiring a broad understanding of research topics in the domain of
- Acquiring in-depth knowledge of recent developments in research on specific topics in the domain of task-centered learning environments
- Learning to find and retrieve essential scientific literature in your domain
- Learning to critically read and evaluate scientific literature in your domain
- Learning to critically evaluate research designs
- Learning how to determine gaps of knowledge: questions in a research domain that are not yet (fully) investigated or answered
- Communicate and collaborate internationally with peer (PhD) researchers

STUDENT PROFILE:
Are you a researcher conducting research (or planning to conduct research) on task-centered learning environments? Then this course will help you familiarize yourself with a broad range of research topics in the domain. In addition, you will learn how to locate and retrieve essential literature and collaborate with your peers in assessing the quality of research designs and journal articles. By the end of the course you will have an overview of the domain of task-centered learning environments, and in-depth knowledge of recent developments and existing gaps in the domain related to your own research project.

TEACHING METHOD:
This is a fully online 6-week course, including several synchronous and asynchronous sessions and online assignments. During the course, you will keep a portfolio in which you reflect on your own learning process. You will acquire a broad understanding of topics such as adaptive learning, self-regulation skills, 21st century skills, blended learning, simulations, and visual expertise, and will delve deeper into topics relevant for your own research. You will collaborate with peers while locating, retrieving, and reviewing state-of-the-art scientific literature. Under guidance of the course staff, you will learn how to ask and answer the right questions when determining the quality of a research design or a research report.

FACULTY:
Your teachers are true scholars and experts in the field of Research on Task-Centered Learning Environments: Jeroen van Merriënboer, PhD, Research Director SHE, Anique de Bruin, PhD; Jimmy Frèrejean, PhD.

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