



MOODLEMEFANET - CURRENT STATUS

J. Feberová^{1,2}, A. Polášková¹, J. Polášek², B. Ohlídková², D.Rajdl³

¹ Charles University, 2nd Faculty of Medicine ² Charles University, Computer Science Centre ³ Charles University, Faculty of Medicine in Pilsen

Abstract

MoodleMefanet, environment for creating e-learning courses was started last year. MoodleMefanet is available at the web moodle.mefanet.cz for all medical faculties in Czech and Slovak Republic. The system has been connected to the Shibboleth service, so all the students of medicine can sign in with their own entering data (for Slovak medical faculties there is possibility to enter the system through the creation of the account in the MoodleMefanet). For the users of the system there are prepared two handbooks – handbook for the students and handbook for the teachers. There was prepared preliminary model of the evaluation of the quality of e-learning courses. The model is being reviewed by the experts from Pedagogical faculty.

Key words: LMS Moodle, MoodleMefanet, the evaluation model

Introduction

LMS Moodle is software package for creating and service of electronic courses on the internet. It is constantly evolving project, it was designed on the base on social constructivist approach to education. The system was come into being 20th August 2002 and its author is Martin Dougiamas. LMS Moodle is an Open Source system, so it is possible to add to the system installation new modules, which are either created within the global community associated about Moodle or it is possible to generate the modules for own organization, All modules can be offered for all Moodle community and contribute to the development of all system. The advantage of Moodle is the fact, that it was developed at the university and it is adapted to its needs.

Nowadays it is currently registered worldwide for more than 52 000 installations. The system is used by more than 37 million students and teachers. In the Czech Republic there are registered 394 installations [1].



LMS Moodle at the Charles University

Moodle is operated at the Charles University since 2004. Experience gained in operating this system at the Charles University is now used in the operation of Moodle MEFANET.

MoodleMefanet

In 2010 Moodle for the network at MEFANET moodle.mefanet.cz was launched to install (fig.1).

Moodle-MEI	ANET elearningové ku	rzy	Nejste přihlášen Čeština (cs) 💌
			fnoodle
akulty	Přehled kurzů podle fakult		Přihlásit se - Shibboleth
💭 1. Lékařská fakulta Jniverzity Karlovy v Praze	1 2. Lékařská fakuta Univerzity Karlovy v Praze (53)		Přihlášení uživatelů sítě MEFANET pomocí lokální
🔰 2. Lékařská fakulta Iniverzity Karlovy v Praze	Z. Levarska favulta Univerzity kanony V Praze (s) Lévarská favulta Masarykovy Univerzity v Brně (1) Lévarská favulta Potrul Univerzity v Brně (1) Lévarská favulta Potrul Univerzity v Brně (1)		autentizace
3. Lékařská fakulta Iniverzity Karlovy v Praze	Lekarska fakulta v Pizm Umverzity Karlovy v	Praze (4)	
Ž Lékařská fakulta v Plzni niverzity Karlovy v Praze	Kurzy kategorizované podle lékařských ob	borů	Moodle-Mefanet Moodle - Mefanet slouží pro
Lékařská fakulta v Hradci írálové Univerzity Karlovy v	Akutní medicína (0)	Anatomie (0)	provoz e-learningových kurzů v rámci skupiny Mefanet. Kurzy musí sloužit pouze pro výuku n
Praze	Anesteziologie a intenzivní medicína (0)	Biofyzika (O)	zúčastněných pracovištích. Pro provoz komerčních kurzů lze využít Moodle UK - hostování
💢 Lékařská fakulta Masarykovy Univerzity v Brně	Siologie (0)	Dermatologie (0)	
	Diabetologie, dietetika (0)	Endokrinologie, metabolismus (0)	
💭 Lékařská fakulta Univerzity Palackého v Olomouci	Epidemiologie, prevent. lékař., hygiena (0)	Farmakologie (0)	kurzů. V bloku Žádost o založen
	Pyziologie a patologická fyziologie (0)	Gastroenterologie, hepatologie (0)	kurzu si můžete zažádat o
💢 Lékarská fakulta Univerzity Pavla Jozefa Šafárika v Košiciach	Geriatrie (0)	Hematologie (0)	založení kurzu (klikněte na Žádost o založení kurzu a
	Histologie, embryologie (0)	Chirurgie, traumatologie, ortopedie (0)	vyplňte formulář). Pro získání
👮 Jesseniova lekárska fakulta v Martine Univerzity Komenského v Bratislave	Imunologie, alergologie (0)	Infektologie (0)	Manuál Wepněte na odkaz Manuál Moodle. Manuál Moodle Moodle UK pro výuku Moodle UK hostování kurzů Mefanet Portál Mefanet Wikiskripta
	Kardiologie, angiologie (0)	Laboratorní diagnostika (0)	
	Lékařská etika a právo (0)	Lékařská genetika (0)	
👮 Lekárska fakulta Univerzity Komenského v Bratislave	Lékařská chemie a biochemie (4)	Lékařská informatika a informační věda (53)	
	Mikrobiologie (0)	Nefrologie (D)	
Zdravotně sociální fakulta Jihočeské univerzity v Českých Budějovicích	Neurochirurgie (0)	Neurologie (0)	
	Nukleární medicína (0)	Oftalmologie, optometrie (0)	
	Onkologie, radioterapie (0)	Tělovýchovné lékařství (0)	
💢 Fakulta zdravotnických studií Ostravské univerzity v Ostravě	Ortopedie (0)	Otorinolaryngologie (0)	
	Patologie a soudní lékařství (0)	Pediatrie, neonatologie (0)	Žádost o založení kurzu
	Pneumologie (0)	Porodnictví a gynekologie (0)	
Fakulta biomedicínského inženýrství Českého vysokého učení technického v Praze	Pracovní lékařství a toxikologie (0)	Psychiatrie, psychologie, sexuologie (0)	Žádost o založení kurzu
	Radiologie a zobrazovací metody (0)	Rehabilitace, fyzioterapie, ergoterapie (0)	Vyberte z nabídky vaší fakultu a podkategorii a poté vyplňte
	Revmatologie (0)	urologie (0)	
	Veřejné zdravotnictví (0)	všeobecné praktické lékařství (0)	formulář. Kurz Vám bude
llavní menu	Zdravotní péče, ošetřovatelství (1)	Zubní lékařství (0)	vytvořen do 24 hod.

Figure 1: Moodle Mefanet Home page

In this installation, every teacher of Czech or Slovak medical faculty may request the establishment of the course by requests for establishing course (<u>https://moodle.mefanet.cz/form_1/form</u>). The system is connected



MEFANET 2011 Conference



to registration by Shibboleth, so participants are authenticated on the faculties of their local entering data, so it is reduced the necessity of the formation of other entering data to the system.

There are available to handbooks for the users at the web (<u>https://moodle.mefanet.cz/course/view.php?id=81</u>); the handbook for students and the handbook for teachers. The key to enrolment, where the manuals are positioned it is possible to apply at jitka.feberova@ruk.cuni.cz.

The first intercollegiate e-course of biochemistry was created and also courses which will serve to all participants MEFANET network; Creation of e-learning course in Moodle, National Medical Library - public access to specialized information resources and services, and How to find (not only) in medical databases 2nd Faculty of Medicine. These courses will be ready by the end of 2011.

The evaluation of the quality of e-learning courses

In the field of creation of e-learning courses it is necessary to solve the question of the evaluation of e-learning courses. That is why on the base of valid international standards and [2-5], a framework for assessing the quality of e-learning courses and on the basis of an model for the evaluation of the preparatory phase of the course and phase of the implementation of the course. The model is being reviewed by the experts from Pedagogical faculty of the Charles University. The model will be modified on the base of this review.

Based on this model a questionnaire for assessing the quality of elearning courses will be created in 2012 that will allow evaluation of courses and it will provide feedback to the authors in the creation and operation of e-learning courses.

Conclusion

Based on experience from the operation of Moodle for teaching at the Charles University from the years 2004-2010 shows that stable and continuous professional technical support for users leads to the spontaneous activity of teachers and creating e-learning supports for students

If this is being done without methodological support (which was provided for example for grants solvers at the Charles University from 2004 - 2008) the authors do not use optimally all the possibilities and LMS course creation process is encumbered by some mistakes and increased labor input.



MEFANET 2011 Conference



The external examination of the results is not always assured.

Attempt to facilitate the work of the authors of e-learning courses was the creation of handbooks and design model for assessing the quality of e-learning courses.

References

- [1] MOODLE [online]. 2011 [cit. 2011-03-13]. Available at WWW: http://moodle.cz/>.
- [2] ISO/IEC 19796-1. Information technology -- Learning, education and training -- Quality management, assurance and metrics : Part 1: General approach . Switzerland : ISO/IEC 2005, 2005. 121 s.
- [3] ISO/IEC 19796-3. Information technology Learning, education and training - Quality management, assurance and metrics : Part 3: Reference methods and metrics. Switzerland : ISO copyright office, 2009. 38 s.
- [4] CEN/ISSS CWA 14644 : Quality Assurance and Guidelines. Brussels : CEN/ISSS, 2003.
- [5] BARDUL, Khan. Asianvu.com [online]. [cit. 2011-06-26]. Program evaluace e-learningu. Available at WWW: http://asianvu.com/bk/elearning_evaluation_article.pdf

