

Course description

Course abbreviation:	KI/PIN2	Page:	1 / 3
Course name:	Programming for Internet II		
Academic Year:	2012/2013	Printed:	01.05.2024 23:50

Department/Unit /	KI / PIN2			Academic Year	2012/2013
Title	Programming for Internet II			Type of completion	Pre-Exam Credit
Accredited/Credits	No, 2 Cred.			Type of completion	Combined
Number of hours	Seminář 2 [HOD/TYD]				
Occ/max	Status A	Status B	Status C	Course credit prior to	NO
Summer semester	29 / -	0 / -	1 / -	Counted into average	NO
Winter semester	0 / -	0 / -	0 / -	Min. (B+C) students	not determined
Timetable	Yes			Repeated registration	NO
Language of instruction	Czech, English			Semester taught	Summer semester
Optional course	Yes			Internship duration	0
Evaluation scale	S N				
No. of hours of on-premise					
Auto acc. of credit	No				
Periodicity	K				
Substituted course	None				
Preclusive courses	N/A				
Prerequisite courses	KI/PIN1 or KI/XPIN1				
Meet all prerequisites before registering					YES
Informally recommended courses	N/A				
Courses depending on this Course	N/A				

Course objectives:

The course is directed at basic internet technologies with the focus on the programming framework PHP. In this area, the main focus is on the co-operation of PHP and server MySQL (so called classical pair). Much consideration is also given to designing and handling of forms. The course is linked up with the course Programming for internet I and is followed up with the introduction of further possible applications and implementations of XML technology on the basis of PHP.

Requirements on student

Content

1. PHP5-basic syntax.
2. PHP5- functions.
3. PHP5- designing and handling forms.
4. PHP5- storing the data outside the DB.
5. PHP and object oriented programming.
6. PHP5- generating the graphics.
7. SQL language - introduction.
8. DB server MySQL.
9. PHP- accessing DB.
10. Co-operation PHP with MySQL.
11. Data exchange on the basis of XML.

Prerequisites - other information about course preconditions

Teaching in English is meant only for erasmus and foreign students. In the case of a small number of students is teaching in a form of individual consultations.

Competences acquired

Fields of study

Guarantors and lecturers

- **Guarantors:** doc. RNDr. Mgr. Viktor Maškov, DrSc. (100%)
- **Seminar lecturer:** doc. RNDr. Mgr. Viktor Maškov, DrSc. (100%)

Literature

- **Basic:** GUTMANS A., BAKKEN S.S., RETHANS D. *Mistrovství v PHP 5*. Computer Press, 2005. ISBN 80-251-0799-X.
- **Basic:** Welling L., Thomson L. *MySQL-Průvodce základy databázového systému*. CP Books, 2005. ISBN 8025106713.
- **Basic:** Schneider R.D. *MzSQL-Oficiální průvodce tvorbou, správou a laděním databází*. Grada, 2006. ISBN 8024715163.
- **Basic:** PHP Function List - <http://www.php.net/docs.php>. >
- **Basic:** Gilmore W.J. *Velká kniha PHP a MySQL 5*. Zoner Press, 2007. ISBN 8024715163.

Teaching methods

Assessment methods

Course is included in study programmes:

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Applied Informatics	Bachelor	Full-time	Information Systems	1	A8	2012	Povinné předměty	A	3	LS
Applied Informatics	Bachelor	Full-time	Information Systems	1	A12	2012	Povinné předměty	A	3	LS
Applied Informatics	Bachelor	Full-time	Information Systems	1	A11	2012	Povinné předměty	A	3	LS
Geography	Bachelor	Full-time	Information Sciences (double subject)	1	A10	2012	Povinné předměty	A	2	LS
Geography	Bachelor	Full-time	Information Sciences (double subject)	1	A6	2012	Povinné kurzy	A	2	LS
Chemistry	Bachelor	Full-time	Informatics	1	A6	2012	Povinné kurzy	A	2	LS
Chemistry	Bachelor	Full-time	Informatics	1	A10	2012	Povinné předměty	A	2	LS
Chemistry	Bachelor	Full-time	Informatics Focused on Education	1	A10	2012	Povinné kurzy	A	3	LS
Informatics	Bachelor	Full-time	Informatics Focused on Education	1	A10	2012	Povinné kurzy	A	3	LS
Informatics	Bachelor	Full-time	Informatics Focused on Education	1	A7	2012	Povinné kurzy	A	3	LS
Informatics	Bachelor	Full-time	Information Sciences (double subject)	1	A10	2012	Povinné předměty	A	2	LS
Informatics	Bachelor	Full-time	Information Sciences (double subject)	1	A8	2012	Povinné kurzy	A	2	LS
Mathematics	Bachelor	Full-time	Informatics focused on Education	1	A7	2012	Povinné kurzy	A	3	LS
Mathematics	Bachelor	Full-time	Informatics focused on Education	1	A10	2012	Povinné kurzy	A	3	LS
Mathematics	Bachelor	Full-time	Information Sciences (double subject)	1	A6	2012	Povinné kurzy	A	2	LS

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Mathematics	Bachelor	Full-time	Information Sciences (double subject)	1	A10	2012	Povinné předměty	A	2	LS
Physics	Bachelor	Full-time	Informatics	1	A10	2012	Povinné předměty	A	2	LS
Physics	Bachelor	Full-time	Informatics	1	A6	2012	Povinné kurzy	A	2	LS
Physics	Bachelor	Full-time	Informatics focused on Education	1	A10	2012	Povinné kurzy	A	3	LS
Mathematics	Bachelor	Full-time	Mathematics and its application in natural sciences	1	A12	2012	Modul II - Matematická informatika	B	3	LS