

Course description

Course abbreviation:	KI/UDU	Page:	1 / 3
Course name:	Introduction to UNIX		
Academic Year:	2012/2013	Printed:	20.04.2024 13:38

Department/Unit /	KI / UDU			Academic Year	2012/2013
Title	Introduction to UNIX			Type of completion	Pre-Exam Credit
Accredited/Credits	No, 2 Cred.			Type of completion	Written
Number of hours	Seminář 2 [HOD/TYD]				
Occ/max	Status A	Status B	Status C	Course credit prior to	NO
Summer semester	80 / -	0 / -	0 / -	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	N/A				
Informally recommended courses	N/A				
Courses depending on this Course	N/A				

Course objectives:

This course is designed for students with minimal experience with UNIX/Linux systems, but students are assumed to have some prior experience with computers. The topics covered in this course are introduction to UNIX, working with shells, using system tools, file compression and decompression, ssh, scp etc.

Requirements on student

Content

- 1) Introduction to the BASH shell, help, history
- 2) Users and groups management, permissions
- 3) Introduction to linux filesystem, directories, files, links
- 4) Linux process management, signals
- 5) Tools for text processing
- 6-7) Regular expression (grep, sed)
- 8-10) Introduction to the BASH scripting
- 11) System utils
- 12-13) Introduction to system configuration, mounting, network configuration etc.

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:** RNDr. Petr Kubera, Ph.D. (100%)
- **Seminar lecturer:** Mgr. Jiří Fišer, Ph.D. (100%), RNDr. Jan Krejčí, Ph.D. (100%), RNDr. Petr Kubera, Ph.D. (100%), RNDr. Jiří Škvor, Ph.D. (100%)

Literature

- **Basic:** Fišer J. *GNU/Linux pro začátečníky*. skriptum PřF UJEP, 2005.
- **Basic:** Kolektiv autorů. *Linux dokumentační projekt*. Computer Press, Praha, 2000.
- **Extending:** R.Stones, N. Matthew. *Linux začínáme programovat*. Computer Press, Praha, 2000.

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	1	LS
Applied Informatics	Bachelor	Full-time	Information Systems	1	A11	2012	Povinné předměty	A	1	LS
Applied Informatics	Bachelor	Full-time	Information Systems	1	A12	2012	Povinné předměty	A	1	LS
Geography	Bachelor	Full-time	Information Sciences (double subject)	1	A6	2012	Povinné kurzy	A	1	LS
Geography	Bachelor	Full-time	Information Sciences (double subject)	1	A10	2012	Povinné předměty	A	1	LS
Chemistry	Bachelor	Full-time	Informatics	1	A6	2012	Povinné kurzy	A	1	LS
Chemistry	Bachelor	Full-time	Informatics	1	A10	2012	Povinné předměty	A	1	LS
Chemistry	Bachelor	Full-time	Informatics Focused on Education	1	A10	2012	Povinné kurzy	A	1	LS
Informatics	Bachelor	Full-time	Informatics Focused on Education	1	A7	2012	Povinné kurzy	A	1	LS
Informatics	Bachelor	Full-time	Informatics Focused on Education	1	A10	2012	Povinné kurzy	A	1	LS
Informatics	Bachelor	Full-time	Information Sciences (double subject)	1	A10	2012	Povinné předměty	A	1	LS
Informatics	Bachelor	Full-time	Information Sciences (double subject)	1	A8	2012	Povinné kurzy	A	1	LS
Mathematics	Bachelor	Full-time	Informatics focused on Education	1	A7	2012	Povinné kurzy	A	1	LS
Mathematics	Bachelor	Full-time	Informatics focused on Education	1	A10	2012	Povinné kurzy	A	1	LS
Mathematics	Bachelor	Full-time	Information Sciences (double subject)	1	A10	2012	Povinné předměty	A	1	LS
Mathematics	Bachelor	Full-time	Information Sciences (double subject)	1	A6	2012	Povinné kurzy	A	1	LS
Mathematics	Bachelor	Full-time	Mathematical informatics	1	A9	2012	Povinné předměty	A	2	LS
Physics	Bachelor	Full-time	Informatics	1	A10	2012	Povinné předměty	A	1	LS

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Physics	Bachelor	Full-time	Informatics	1	A6	2012	Povinné kurzy	A	1	LS
Physics	Bachelor	Full-time	Informatics focused on Education	1	A10	2012	Povinné kurzy	A	1	LS