

4IZ420 METODY A NÁSTROJE ZPRACOVÁNÍ TEXTOVÝCH INFORMACÍ

Course code	4IZ420
Course title in language of instruction	Metody a nástroje zpracování textových informací
Course title in Czech	Metody a nástroje zpracování textových informací
Course title in English	Text Information Processing Methods and Tools
Mode of completion and number of credits	Exam ECTS (6 credits), Exam (4 credits) One ECTS credit corresponds to 26 hours of workload for an average student.
Type of course	Daily attendance: 2/2 (hours of lectures per week / hours of seminars per week)
Language of instruction	Czech
Level of course and year of study	master: 4; master continuing: 1
Semester	SS 2009/2010 – FIS
Name of lecturer	doc. RNDr. Petr Strossa, CSc. (supervisor)
Prerequisites	none

Aims of the course

To explain the theories, subjects, methods and practical tools of information activities concerning scientific/technical/business information, creating and providing automated information resources and information services. Special attention will be paid to algorithms for automatic text processing (indexing, clustering etc.).

Learning outcomes and competences

Upon successful completion of this course, students will be able to identify the main problems of text information processing in an automatic information system and to judge the possibilities of their solution.

Course contents

- documents and information process, information barriers; standardization of document processing
- identification analysis of documents
- content analysis of documents; selection languages
- dialogue access to information
- classical and automated information services
- linguistic problems of automatic text indexing; the MOSAIC method as a complex example
- selected clustering algorithms and their comparison
- thesaurus application, creating and maintenance – algorithms and data structures in an automated information system
- further modern approaches to automation

Teaching methods and student workload

Type of teaching method	Hours of workload
	daily attendance
Participation in lectures	26
Preparation for lectures	13
Attendance at seminars/workshops/tutorials	26
Preparation for seminars/workshops/tutorials	13
Preparation for mid-term test(s)	26
Preparation for final oral exam	52
Total	156

Assessment methods

Requirement type	Weight
	daily attendance
Mid-term test(s)	49 %
Final oral exam	51 %
Total	100 %
Special requirements and details: none	

Recommended reading

Type*	Author	Title	Published in	Publisher	Year	ISBN
R	PINKAS, O.	Zpracování informačních fondů. Sešit č. 1	Praha	Vysoká škola ekonomická	2002	80-245-0447-2
R	STROSSA, P.	Zpracování informačních fondů. Sešit č. 2, Algoritmizace a automatizace zpracování textových informací	Praha	Vysoká škola ekonomická	2000	80-245-0090-6

* R – required reading, A – additional reading