

INFORMATION & KNOWLEDGE RETRIEVAL

LEVEL OF COURSE UNIT

Master

LEARNING OUTCOMES OF COURSE UNIT

Upon completing this course the students will be aware of the complexity and areas of application of the known fundamental algorithms in information retrieval. The students will be in a position to analyze unaided partly structured or unstructured data sets and to make them searchable and also to evaluate and assess available systems or those they have designed and developed themselves.

COURSE CONTENTS

In this integrated course, instruction is given in basic topics in the field of information retrieval. Emphasis is placed on the following: retrieval models (Boolean, vector space, probabilistic, etc.); the implementation of IR systems (layer model, visualization, access paths, algorithms); representation of content (free text search, documentation languages, special logic, indexing, etc.); web retrieval (link analysis, crawling); content-based search in multimedia documents.

LANGUAGE OF INSTRUCTION

English

NUMBER OF ECTS CREDITS ALLOCATED

6