

Outline

Course PRINCIPLES OF INFORMATION SEEKING AND RETRIEVAL

Topic title	Information Retrieval (IR)
Introduction	<p>This course is aimed to provide an overview of the Information Retrieval (IS). It explains different systems and shows students the advantages and disadvantages of human and automatic indexing. Exact match and partial match systems are explained. The use of systems and the typical processes of users are shown. The collaborative use and some specific systems for searching together are shown.</p> <p>Organization of information is discussed in more detail than in the introductory part, followed by a discussion of users, their needs and behaviour, as well as user types.</p>
Description (content of the course)	<p>The face-to-face course is divided in 4 parts: 4 x 90 minutes (mixture of lectures, discussions and exercises).</p> <p>Part I What is Information Retrieval? Information retrieval systems</p> <ul style="list-style-type: none">• Definitions• Development, state-of-the art• Examples (focus on digital libraries, differences between meta-data and full text indexing approaches)• Automatic indexing (ranking and weighting basics)• Evaluation• Exercise <p>Part II The search process</p> <p>Phases of the search process</p> <ul style="list-style-type: none">• Know what is needed• Where to search• How to search• Evaluate the results <p>Part III Organisation of Information in IR & User Behavior</p> <p>Introduction to organisation of information</p> <ul style="list-style-type: none">• The need for organization of information within IR• Authority control <p>Users of information retrieval systems, their needs and behaviour.</p> <ul style="list-style-type: none">• information needs and information behaviour• related concepts• types of users

	<p>Part IV – Collaborative Retrieval and Search</p> <p>Introduction to Collaborative Information Seeking (CIS) and Retrieval (CIR)</p> <ul style="list-style-type: none"> • Definition CIS/CIR • State of the Art • Domains • Models • Systems for collaboration • Evaluation of CIS/CIR
<p>Learning outcomes</p>	<p>Upon completion of the course students will be able to:</p> <ul style="list-style-type: none"> • Known about main differences of Information Retrieval systems • understand basic ranking algorithms • understand the relation between knowledge organisation and search systems • know about controlling the search process • know about typical issues of user behaviour • understand collaboration in searching • know systems for collaboration