I. Course Description:

This course offers an examination of the latest development in the literature of information technology and systems, with the emphasis on Web based information access systems and their corresponding technologies. Dividing the literature into the areas of theoretical foundations, support technologies and real applications, latest published articles are drawn from the three areas to form the pool of readings. Students will be assigned papers from the pool and will lead the discussions about the assigned papers. The course aims to help PhD students to develop a broad understanding of modern Web based information access systems, and to develop skills on literature updates, critical thinking, and scholarly communication.

This course is open only to SIS PhD students.

II. Course Goals

Upon finishing this course, the students should be able to

a. identify major literature sources in the field of Web based information access systems.
b. understand the state of the art of Web based information access technologies, systems and their applications.
c. conduct individual or group based research discussions

III. Reading Pool

The following articles are examples of papers put into the reading pool by the instructor. The actual pool will be expanded according to the background and research interests of the enrolled students, and the further development of the literature.

Theoretical Foundations

Support Technologies

Real Applications


### IV. Course Format

This course consists of a serial of seminars. In the first two weeks, the instructors will lead the discussions. Then students are required to pick up one paper from each of the three areas, and present and lead discussions for the assigned week. Depending on students’ participations, the quality of the presentations and discussions, they will receive letter grades when they successfully finish this course.