

Intelligent Information Systems CSM10

Spring Semester 2007

Reading List for Rule-Based Systems

Course book

Negnevitsky M: Artificial Intelligence - A Guide to Intelligent Systems

(Addison-Wesley 2005 - second edition)

A modern approach to intelligent systems which does not require a background in mathematics - multiple copies in the library and bookshop

Suggested further reading

Giarratano J and Riley G: Expert Systems - Principles and Programming

(PWS 1998 3rd edition)

A good introduction to expert systems in the early chapters followed by an in-depth description of CLIPS (includes CD) - multiple copies in the library

Winston PH: Artificial Intelligence

(Addison-Wesley 1993 3rd edition)

An alternative treatment of the subject and particularly good on frames

Jackson P: Introduction to Expert Systems

(Addison Wesley 1998 3rd edition)

Good overall coverage and uses CLIPS for many of its examples

Turban E and Aronson JE: Decision Support Systems and Intelligent Systems

(Prentice Hall 2001 6th edition or 1998 5th edition)

Contains most of the material but is more directed towards intelligent decision support systems - good on case studies and industrial applications

Johnson-Laird P: The Computer and the Mind

(Fontana 1993 2nd edition)

A paperback volume which takes a rather different look at the subject of artificial intelligence - but is well worth reading and could be another useful addition to your bookshelf

Hofstadter D: Gödel, Escher, Bach: An Eternal Golden Braid

(Penguin 1979)

Generally accepted as a masterpiece in its approach, and although it is an older work its message is unchanged - but do not start it just before the exams!