Artificial Intelligence lab, Spring 2011

Alex Muscar

February 24, 2011

Professor:	Costin Badica
Teaching assistant:	Alex Muscar
Location:	S6a
Time:	Monday & Wednesday, 10:00 - 14:00
Attendance:	mandatory at least 75 percent (i.e. 9 labs)

Schedule

21.02 - 25.02 — Administrativia

28.02 - 04.03 — Intro to Prolog

07.03 - 11.03 — Variable-free interpretations and proofs (top-down and bottom-up) (*seminar*)

14.03 - 18.03 — Recursion in Prolog. Compound terms

21.03 - 25.03 — Proofs with variables (top-down and bottom-up) (*seminar*)

28.03 - 01.04 — Lists

04.04 - 08.04 — Uninformed search (*seminar*)

11.04 - 15.04 — Uninformed search in Prolog

18.04 - 22.04 — Heuristic search (*seminar*)

25.04 - 29.04 — *Spring break*

02.05 - 06.05 — Heuristic search in Prolog

09.05 - 13.05 — Constraint satisfaction problem (*seminar*)

16.05 - 20.05 — Semantic networks (*seminar*)

23.05 - 27.05 — Bayesian networks (*seminar*)

Grading

The final exam will account for 60 percent of the grade, lab activity will account for 20 percent and the homework for the final 20 percent.

The grades will be available here.

Resources

SWI-Prolog

Bibliography

1. Poole, D.; Mackworth, A.; Goebel, Randy (1998). *Computational Intelligence: A Logical Approach*. Oxford University Press. ISBN 978–0195102703.