School of Computer Science – Coursework Issue Sheet

Session	2014-2015	**Semester**	Autumn
Module Name	Designing Intelligent Agents	**Code**	G54DIA
Module Convenor(s) **(CW Convenor in Bold)**	**Natasha Alechina**		

Coursework Name	CW1: Single Agent	**Weight**	50%
Deliverable	Implementation of a single agent		
Format	Java source code & pdf report		

Issue Date	10th February
Submission Date	27th February
Submission Mechanism	Online, via Moodle
Late Policy **(University of Nottingham default will apply, if blank)**	
Feedback Date	13th March
Feedback Mechanism	Verbal feedback will be available in individual tutorials; written feedback via Moodle or email.

Instructions	The problem consists of a 2D environment, in which an agent must collect and deliver water to *stations* (customers). Stations periodically generate *tasks* – requests for a specified amount of water. The environment also contains a number of *wells* from which water can be collected. The goal of the agent is to deliver as much water to as many stations as possible in a fixed period of time. An implementation of the task environment to be used (in Java) and a very basic agent will be provided as part of the coursework materials. Each student must implement an agent that completes the water delivery task in the specified task environment. Guidance software design and implementation strategy, and feedback on partial solutions will be given individual tutorials. Submission consists of the Java code implementing the agent, together with a short report (5000 words) explaining the agent design and implementation. Students must include in their report an evaluation of the performance of their agent in the standard task environment (average score over at least five runs).
Assessment Criteria	Assessment will be based on: the capabilities of the implemented agent system, including the quality of the specification, design and implementation; the degree to which the specification, design and implementation are clearly documented in the report, including any relevant background material used in the design and implementation of the agent(s); and clarity of presentation in general (including grammar, spelling and punctuation). See the attached coursework description for details.