

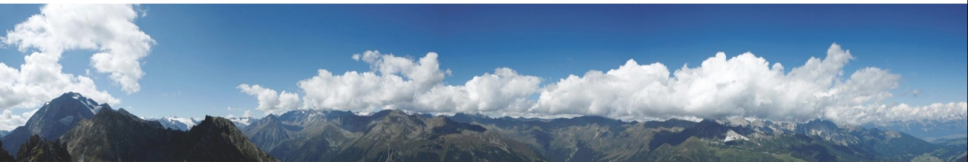


STI · INNSBRUCK

# 703112 PS/1 Artificial Intelligence

Introduction

Monday, 12.10.2015



## Course

### Artificial Intelligence (703112)

1. Type: PS (Proseminar) - Introductory Seminar  
Linked to: Artificial Intelligence Lecture (703111)
  - ECTS credits: 2
  - Periodicity: every 2 weeks
  - Language of instruction: English
  - Methods: Bi-weekly exercise sheets
2. Prerequisites: Basic knowledge of algorithmics and programming languages (preferably Java)
3. Tutor:
  - Zaenal Akbar (Zaenal.Akbar@UIBK.ac.at)

### Date & Time:

1. Mon, 2015-10-12, 14.15 - 16.00
2. Mon, 2015-11-09, 14.15 - 16.00
3. Mon, 2015-11-23, 14.15 - 16.00
4. Mon, 2015-12-07, 14.15 - 16.00
5. Mon, 2016-01-18, 14.15 - 16.00
6. Mon, 2016-02-01, 14.15 - 16.00

**Location:** Technik, Room: Rechnerraum 15

1. Introduction & Propositional Logic
2. Predicate Logic, Reasoning & Search Methods
3. CommonKADS, Problem-Solving Methods & Planning
4. Software Agents & Rule Learning
5. Inductive Logic Programming & Semantic Web and Services

### Outcomes

Use and practice concepts introduced during the associated lectures

1. Practice of the topics covered in the lecture
2. Presentation and discussion with scientific argumentation of the selected topics

For Each Session:

1. An exercise will be assigned at the end of each session
2. Students are working (individually or group, depends on the exercise) to find solutions ( $\approx$  2 weeks)
3. The solutions are presented by students and discussed in the following session

## 1. Individual work

- Read and summarize scientific articles
- Describe a specific topic and related issues with own words
- Preparing presentation slides

## 2. Group work

- Implement an algorithm and or write a function using a programming language
- Make sure your implementation is runnable
- Recommended programming language: Java <sup>1</sup>,  
integrated development environment: Eclipse <sup>2</sup>

## 3. Presentation

- All students should present a solution at least once
- Group presentation is also possible

---

<sup>1</sup>Java, <http://java.com/>

<sup>2</sup>Eclipse, <http://www.eclipse.org/>

1. Answers must be sent to the tutor just before the session
  - Use the provided templates
2. Your solutions (and or questions) should be submitted to the email address (Zaena1.Akbar@UIBK.ac.at) only
  - Your email subject should be started with [AI1516]
3. Try to solve the problems by yourself, a copied solution is unacceptable
  - An exercise-sheet contains two or more exercises
  - An exercise is either an individual or group task
4. Withdrawal from the course is possible before the second session started

### Assessment:

1. **Exercises** are graded up to **180** points
2. **Presentation** of the solutions and **attendance** (which is mandatory) will be graded up to **20** points
  - Absence must be justified before the session

Final Score	Grade
181 - 200	1
161 - 180	2
135 - 160	3
100 - 134	4
0 - 99	5



### Course Material and Exercises

<http://sti-innsbruck.at/teaching/course-schedule/ws-201516/k%C3%BCnstliche-intelligenz-ws-201516>

#### Assignment - Exercise Sheet 1:

- Topics: Introduction & Propositional Logic
- Due: 2015-11-09 14:15

#### Your answers (and or questions):

- Send by email to: `Zaenal.Akbar@UIBK.ac.at`
- Email subject: started with [AI1516]



# Thank You