

## ***Course Report WASP Graduate School***

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### **Reinforcement Learning, 6hp**

Semester: Fall 2022

Number of registered students: 40

Answering frequency (course evaluation): 12/30 (40%)

### **Examination results**

Number of students examined: 30

Fail: 3/30 (10%)

Pass: 27/30 (90%)

## **Brief summary of student viewpoints and suggestions**

### **Results of WASP base-line quantitative questions**

- What is your overall rating of the course (1-5): 3.89
- Did you enjoy the course? (1-5): 4.44
- Was it time well spent? (1-5): 4.22
- *Rating of the practical part (1-5): 3.67*
- *Rating of the theoretical part (1-5): 2.67*

### **Answers to free text-questions to be (shortly) summarized under “Strengths” and “Weaknesses”**

- What was the best aspect of the course?
  - Many different answers: Structure, labs, Johannes, self-study well organized, topic and material
- What would you suggest improving?
  - Almost all mentioned the control part
  - More time to read before the course
- What advice would you like to give to future participants?
  - Read up on the basics of RL
  - Self-learning is expected
  - Attend the onsite meetings
- Other comments. Is there anything else you would like to add?
  - People want an even more advanced course, and really want to learn more about the subject

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<sup>1</sup> The report should be written by the examiner together with the teachers and possibly others, such as teaching assistants

## **"Strengths" according to students<sup>2</sup>**

- See above

## **"Weaknesses" according to students<sup>2</sup>**

- See above

## **Comments from teachers on the implementation and outcome of the course<sup>3</sup>**

- Considering that the course was given the first time, the teacher for the control part was on maternity leave and the main teacher had just been on paternity leave right before the course, it went well.
- Overall the comments were positive, except for the control part.

## **Proposed changes/comments/measures**

- Either remove or redo the control part of the course
- Potentially, one could replace the control part with some more advance RL methods.
- Changing the schedule to allow for some weeks without planned activity in the course to allow catching up.
- Designing, scheduling, and organizing more person-to-person interaction between the students between the on-site events, e.g., synchronization meetings in groups before the on-site events.
- Providing more information and help (e.g., a workshop) on setting up software for the labs.
- Adding more theory content for modern RL methods.
- Compiling all instructions and information about the course in one single document.
- Plan and implement better methods for tracking and monitoring student progress during the course, e.g., making use of online questions and tests.
- Finding and implementing a better way to communicate to the students before the course.
- Re-consider entry requirements for the course.

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<sup>2</sup> Based on both quantitative results and key viewpoints from students' free-text answers

<sup>3</sup> Including changes effected during the course