

# Introduction to the Traffic Light Model

**Students at universities of applied sciences are recommended to use artificial intelligence in learning and studying.**

Using AI tools can enhance learning and make the learning experience more multidimensional.

Students must remember that the authors are responsible for the accuracy, correctness, integrity and originality of their works\*, including the use of artificial intelligence.



**In learning assignments, students must always take into account the study unit's and their teacher's instructions as well as the school-specific instructions related to fraud.**

**Teachers and higher education institutions should provide instructions on the use of artificial intelligence in learning tasks and thesis work.**

The following examples and the Traffic Light Model created by Arene provide help in this task.

It is recommended to use as permissive a line as possible, and it should be noted that as artificial intelligence becomes part of the used digital tools, it is challenging to distinguish the boundary between content generated by humans and content generated by artificial intelligence. Justifications for prohibiting the use of artificial intelligence must always be provided.

# The use of AI in learning tasks



## **Required, must be used, must be reported, affects assessment**

Artificial intelligence must be used to create outputs\*. The student must report how he/she has used AI. Failure to use AI will affect the assessment.



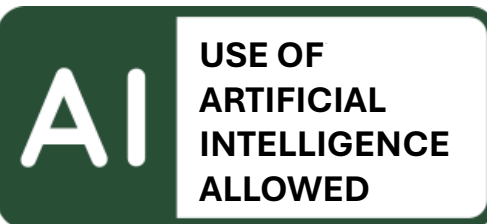
## **Prohibited, not to be used**

The output must be created without the help of artificial intelligence. The student should use only their own knowledge, understanding and skills. The use of AI is forbidden for a justified reason and will be interpreted as fraud.



## **Allowed, can be used, must be reported, may affect assessment**

Artificial intelligence can be used in the creation of outputs, but the student must clearly report its use. Failure to disclose the use of AI will be interpreted as fraud. The use of AI may affect the assessment.

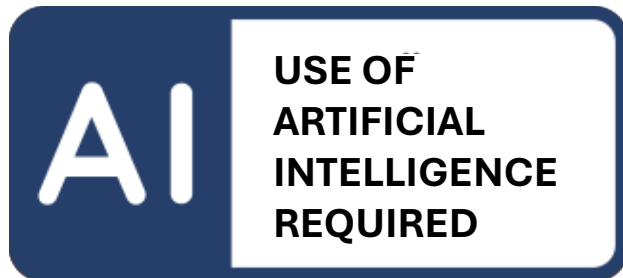


## **Allowed, can be used, need not be reported**

Artificial intelligence can be used freely and without report to create the output. The use of AI does not affect the assessment.



\* Output means the final work or competence produced by a student that meets the objectives of the given learning task. This may be an essay, research report, presentation, project or other concrete work that demonstrates the student's understanding and application of the subject matter.



## Blue – Required, must be used, must be reported, affects assessment

Artificial intelligence must be used to create outputs. The student must report how he/she has used AI. Failure to use AI will affect the assessment.

### When?

This is a good option when students are encouraged to use artificial intelligence and the teacher wants to ensure that students get to familiarise themselves with AI tools during their studies.

### Models for justifications

#### Example 1

In this learning assignment, students critically assess the text or other media they produce with artificial intelligence.

#### Example 3

In this learning assignment, students create a bot that supports learning or prompts the AI application to serve as a tutor.

#### Example 2

In this learning assignment, students develop the scenarios produced for them by artificial intelligence, for example on the future of their industry.

#### Example 4

In this learning assignment, students use artificial intelligence as an active assistant and aim to make their work more efficient with artificial intelligence.





## Red – Prohibited, not to be used

The output must be created without the help of artificial intelligence. The student should use only their own knowledge, understanding and skills. The use of AI is forbidden for a justified reason and will be interpreted as fraud.

### When?

This option is good if there are grounds for not allowing the use of AI and the teacher wants to ensure that students learn skills and knowledge without the ease of using AI.

### Models for justifications

#### Example 1

In this learning assignment, students demonstrate competence in mastering grammar. Students must write their own essay answers so that their language proficiency can be assessed.

#### Example 2

In this learning assignment, students must reflect on their competence in relation to the assignment. The purpose of the assignment is to assess the student's ability to reflect on their own knowledge and skills. Artificial intelligence cannot take on the role of the student.

#### Example 3

Solving this learning task with artificial intelligence is easy. To assess students' competence, they must respond to the assignment with their own information.

#### Example 4

This learning assignment is based on copyrighted material. The material used may not be fed to artificial intelligence.



## Yellow – Allowed, can be used, must be reported, may affect assessment

Artificial intelligence can be used in the creation of outputs, but the student must clearly report its use. Failure to disclose the use of AI will be interpreted as fraud. The use of AI may affect the assessment.

### When?

This option is good if students may use AI but the teacher also wants to ensure that the students understand the limitations of using AI and learn to explain how they have used it.

### Models for justifications

#### Example 1

During the thesis process, students may use artificial intelligence for purposes such as creating a structure for their thesis and checking their text. However, students must disclose this.

#### Example 2

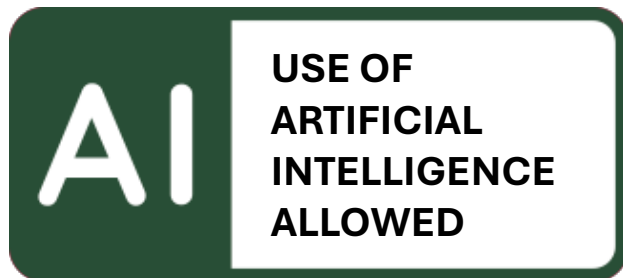
In this learning assignment, students write an article on the topic of learning. Students can use artificial intelligence to support the introduction and summary.

#### Example 3

In this learning assignment, students create a PowerPoint presentation on the topic of learning. Students use artificial intelligence to visualise their presentation.

#### Example 4

In this learning assignment, students prepare a presentation on a multidisciplinary topic. They may use AI for help in the assignment, but the ways in which AI has been used must be disclosed to enable assessing which share of the assignment is based on the student's knowledge and which is not.



## Green – Allowed, can be used, need not be reported

Artificial intelligence can be used freely and without report to create the output. The use of AI does not affect the assessment.

### When?

This is a good option when students are allowed to use AI freely without restrictions. The use of AI will not affect the grade, which means that it does not add significant value to the student's performance.

### Models for justifications

#### Example 1

In this learning assignment, the use of artificial intelligence does not make students' work easier. Students may use artificial intelligence if they find it necessary.

#### Example 2

In this learning assignment, students answer the question based on video material in a closed environment. The material is only available with viewing permissions and cannot be downloaded.

#### Example 3

In this learning assignment, students demonstrate their competence in practical situations. Students may use artificial intelligence if they find it helpful.

#### Example 4

In this learning assignment, students familiarise themselves with material in a foreign language. Students use artificial intelligence to translate the materials.



**Arene's recommendations on the use  
of artificial intelligence for  
universities of applied sciences –  
The Traffic Light Model**

