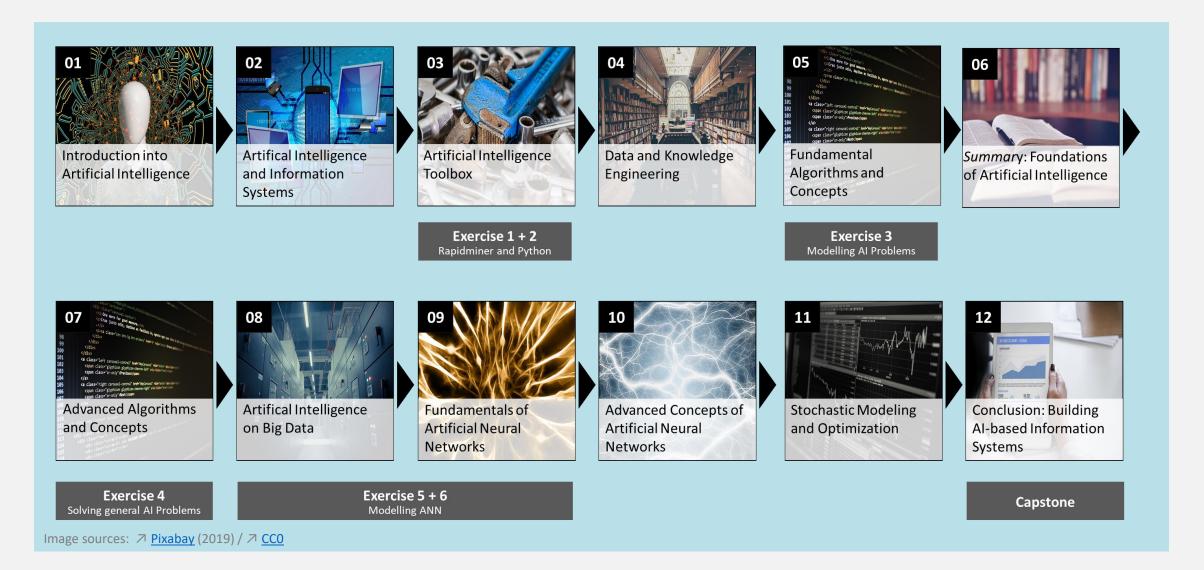
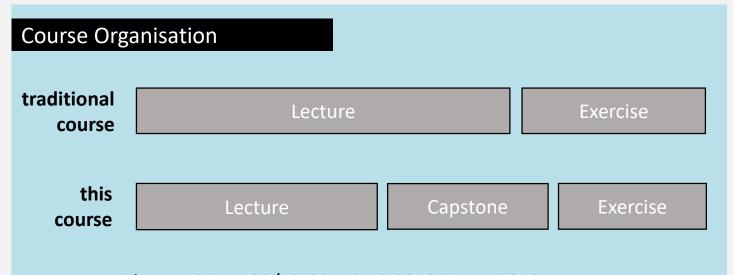


Syllabus



Outline and Organization



Lecture: Friday, 14:30-17:30/18:00, 18.10.2019-01.11.2019

Exercise: Friday, 14:30-17:30, 08.11.2019-22.11.2019



Capstone Project

Each participant is expected to join a team of max. 4 students to analyze and work on a capstone project

Organization:

- Milestone 1: Two Pager Submission
- Test-Presentation (voluntarily)
- Milestone 2: Final Paper Submission
- Milestone 3: Final Presentation
- Location: Consulting hours on demand

Exam

Exam repetitorium: tba

Bonus: tba

Capstone

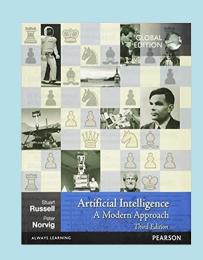
Semester 1

- Projektinhalt: Erarbeitung einer KI Lösung auf Grundlage des Stoffes von KI 1
- Bericht:
 - Erarbeitung einer breiten theoretischen Grundlage über Literaturrecherche (ähnlich wie in einer Seminararbeit)
 - Erläuterung & Diskussion über Einsatzmöglichkeit der implementierten KI Lösung
- Bonuspunkte: Es können keine Bonuspunkte für die Klausur gesammelt werden

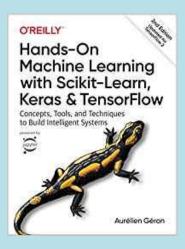
Semester 2

- Projektinhalt: Erarbeitung einer KI Lösung auf Grundlage des gesamten Moduls
- Bericht:
 - Erläuterung & Diskussion über Einsatzmöglichkeit der implementierten KI Lösung
- Bonuspunkte: Es kann ein kleines Projekt während KI 1 bearbeitet werden mit welchem Bonuspunkte für die Klausur gesammelt werden können

Recommended literature



Rusell, S., & Norvig, P. (2016). Artificial Intelligence: A Modern Approach Global Edition.



Géron, A. (2017). Hands-on machine learning with Scikit-Learn and TensorFlow: concepts, tools, and techniques to build intelligent systems.

Grading

Contact	Description	Distribution
Exam Dr. Dominik Jung	There will be a 60 minutes closed-book/closed-notes exam consisting of short-answer, and analytical questions covering all course material! One third will be general questions, one third related to tools, and the last third will be an overarching case.	60 %
Capstone Project Timo Sturm	Each participant is expected to join a team of max. 4 students to analyze and work on a capstone project. Results should be delivered in a document. Further information will be presented at the capstone introduction.	40 %

- Both elements need to be passed (grade 4.0 or better): Failing (i.e., grade 5.0) the (1) Exam, or the (2) Case Study, or (3) the Exam and the Case Study, results in failing the entire course.
- There is no retake possibility for the Capstone project. Thus, if you fail the Capstone project, you need to retake the course next year!

E-Learning and Course Material

Course material

- Lecture slides and exercise papers
- All downloads available in Moodle
- Lecture slides will be made available for download there will be no printed reader!
- Teaching material accompanying the exercise will be available for download and should be brought to the
 exercise classes
- There will be *no printed exercise papers available in the exercise*

Download course material

- Only GIT will be used for additional support
- Material for the lectures (slides, additional documents)
- Exercise papers
- Updates



https://github.com/Fiddleman/AIBasedInformationSystems

Course material

