

## Module Handbook

TUK MODHB Homepage

# Course INF-54-82-K-7

Algorithms and Complexity (Project) (4L, 8.0 LP)

## Course Type

SWS	Type	Course Form	CP (Effort)	Presence-Time / Self-Study
-	K		8.0 CP	184 h
4	L	Programming training course		56 h
(4L)			8.0 CP	56 h 184 h

## Basedata

SWS	4L
CP, Effort	8.0 CP = 240 h
Position of the semester	1 Sem. irreg.
Level	[7] Master (Advanced)
Language	[EN] English
Lecturers	Majumdar, Rupak, Prof. Dr. (PROF   DEPT: INF) Schweitzer, Pascal, Prof. Dr. (PROF   DEPT: INF)
Area of study	[INF-ALG] Algorithmics and Deduction
Lifecycle-State	[NORM] Active

## Possible Study achievement

- Verification of study performance: **presentation**
- Examination number (Study achievement): 65482 ("Algorithms and Complexity (Project)")

- Details of the examination (type, duration, criteria) will be announced at the beginning of the course.

## Contents

The content is changing continuously but is always taken from subjects listed for the lecture "Advanced Algorithmics", i.e. algorithms and data structures for the efficient handling of huge datasets, algorithms used for sorting and searching, graph algorithms and algorithms and data structures used to process objects encoded by words.

## Literature

Will be announced at the beginning of the project.

## Requirements for attendance (informal)

### Courses

- [INF-54-54-K-6] Advanced Algorithmics (4V+2U, 8.0 LP, ARCHIV!)

## Requirements for attendance (formal)

None

## References to Course [INF-54-82-K-7]

Module	Name	Context	
[INF-54-82-M-7]	Algorithms and Complexity (Project)	P: Obligatory	4L, 8.0 LP

Course-Pool	Name
[INF-Alg_P-KPOOL-7]	Projects of the teaching area Algorithmics and Deduction