

Module Handbook

TUK MODHB Homepage

Course INF-54-72-K-7

Specific Algorithms (Seminar) (2S, 4.0 LP)

Course Type

SWS	Type	Course Form	CP (Effort)	Presence-Time / Self-Study
-	K		4.0 CP	92 h
2	S	Seminar		28 h
(2S)			4.0 CP	28 h 92 h

Basedata

SWS	2S
CP, Effort	4.0 CP = 120 h
Position of the semester	1 Sem. irreg.
Level	[7] Master (Advanced)
Language	[EN] English
Lecturers	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: **written elaboration and presentation**
- Examination number (Study achievement): 65472 ("Specific Algorithms (Seminar)")
- Details of the examination (type, duration, criteria) will be announced at the beginning of the course.

Contents

The content is taken from scientific papers related to the topics listed for the modules Advanced Algorithmics and Algorithm Engineering, i.e. fixed parameter algorithms, randomized algorithms and data structures etc. in general but also specific 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

Depending on topic

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-54-72-K-7]

Module	Name	Context	
[INF-54-72-M-7]	Specific Algorithms (Seminar)	P: Obligatory	2S, 4.0 LP
Course-Pool	Name		
[INF-Alg_S-KPOOL-7]	Seminars of the teaching area Algorithmics and Deduction		