

Dosen : Dr. Windu Gata, M.Kom
 Mata Kuliah : Algorithm And Complexity
 SKS : 3 SKS
 Kelas : 14.1B.01
 Mahasiswa : 12

Pertemuan	Ruangan	Tanggal	Kajian	Berita Acara	Kehadiran
1	KG.M-028.10.A	19-Sep-20	Introduction and Preliminaries 1 The subject of complexity theory 2 Some notation and definitions	introduction and preliminaries	Telat 1 Menit Jadwal 13: 10 Masuk 13:21 Keluar 15:55
2	KG.M-028.10.A	26-Sep-20	Models of Computation 1 Finite automata 2 The Turing machine 3 The Random Access Machine 4 Boolean functions and Boolean circuits	models of computations	Telat 2 Menit Jadwal 13: 10 Masuk 13:12 Keluar 15:51
3	KG.M-028.10.A	3-Oct-20	Algorithmic decidability 1 Recursive and recursively enumerable languages 2 Other undecidable problems 3 Computability in logic	computation with resource bounds	Tepat waktu Jadwal 13:20 Masuk 13:20 Keluar 15:48
4	KG.M-028.10.A	10-Oct-20	Computation with resource bounds 1 Time and space 2 Polynomial time I Algorithms in arithmetic 3 Polynomial time II Graph algorithms 4 Polynomial space	decision tree	Telat 1 Menit Jadwal 13:21 Masuk 13:11 Keluar 15:43
5	KG.M-028.10.A	17-Oct-20	General theorems on space and time complexity 1 Time 2 Time-constructible and well-computable functions 3 Space versus time	decidability	Telat 2 Menit Jadwal 13:10 Masuk 13:12 Keluar 12:47

Pertemuan	Ruangan	Tanggal	Kajian	Berita Acara	Kehadiran
6	KG.M-028.10.A	24-Oct-20	Non-deterministic algorithms 1 Non-deterministic Turing machines 2 Witnesses and the complexity of non-deterministic algorithms 3 General results on nondeterministic complexity classes 4 Examples of languages in NP 5 NP-completeness 6 Further NP-complete problems	non-deterministic algorithm	Telat 2 Menit Jadwal 13:10 Masuk 13:11 Keluar 15:46
7	KG.M-028.10.A	7-Nov-20	Review Pertemuan 1-6	review materi 1-6	Telat 4 Menit Jadwal 13:10 Masuk 10:14 Keluar 15:38
8	KG.M-028.10.A		(UTS)	-	-
9	KG.M-028.10.A	14-Nov-20	Randomized algorithms 1 Verifying a polynomial identity 2 Prime testing 3 Randomized complexity classes	randomized algorithm	Tepat Waktu Jadwal 13:10 Jadwal 13:10 Keluar 15:55
10	KG.M-028.10.A	21-Nov-20	Information complexity and the notion of randomness 1 Process Overview 2 Measuring information complexity 3 Self-delimiting information complexity 4 The notion of a random sequence 5 Kolmogorov complexity and data compression	information complexity pseudo-random numbers	Tepat Waktu Jadwal 13:10 Masuk 13:10 Keluar 15:45

Pertemuan	Ruangan	Tanggal	Kajian	Berita Acara	Kehadiran
11	KG.M-028.10.A	28-Nov-20	Pseudo-random numbers 1 Classical methods 2 The notion of a pseudorandom number generator 3 One-way functions 4 Random number generators and one-way functions An application of complexity cryptography 1 A classical problem 2 A simple complexity-theoretic model 3 Public-key cryptography 4 The Rivest-Shamir-Adleman code	cryptography	Telat 5 Menit Jadwal 13:10 Masuk 13:15 Keluar 16:01
12	KG.M-028.10.A	5-Dec-20	An application of complexity cryptography 1 A classical problem 2 A simple complexity-theoretic model 3 Public-key cryptography 4 The Rivest-Shamir-Adleman code	parallel algorithm	Telat 6 Menit Jadwal 10:10 Masuk 13:16 Keluar 16:00

Pertemuan	Ruangan	Tanggal	Kajian	Berita Acara	Kehadiran
13	KG.M-028.10.A	12-Dec-20	Parallel algorithms Decision trees and Communication complexity 1 Parallel random access machines 2 The class NC 3 Algorithms using decision trees 4 The notion of decision trees 5 Nondeterministic decision trees 6 Lower bounds on the depth of decision trees 7 Algebraic decision trees 8 Communication matrix and protocol-tree 9 Non-deterministic communication complexity 10 Randomized protocols	introduction to machine learning algorithm	Telat 5 Menit Jadwal 13:10 Masuk 13:15 Keluar 16:00

Pertemuan	Ruangan	Tanggal	Kajian	Berita Acara	Kehadiran
14	KG.M-028.10.A	19-Dec-20	Randomized protocols The complexity of algebraic computations Circuit complexity 1 How to save the last move in chess 2 How to check a password without knowing it 3 How to use your password without telling it 4 How to prove non-existence 5 How to handle submissions that keep the main result secret 6 How to referee exponentially long papers 7 Lower bound for the Majority Function 8 Monotone circuits	Algebric	Tepat Waktu Jadwa 13:10 Jadwal 13:10 Keluar 15:55
15	KG.M-028.10.A	9-Jan-21	Review Pertemuan 9-14	Review	Telat 5 Menit Jadwal 13:10 Masuk 13:15 Keluar 16:01
16	KG.M-028.10.A		Ujian Akhir Semester	-	-

Kehadiran 14.1B.01

[illegible]

9	14002464	waeisul bismi	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	14
10	14002465	musriatun napiah	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	14
11	14002468	haris dermawan	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	11
12	14002469	achmad fatkharrofiqi	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	0	13

Nilai Kelas 14.1B.01

#	Nim	Nama	Kehadiran	Tugas	UTS	UAS	Grade
1	14002439	satria budi	100	100	99	99	A
2	14002440	mohamad noor	86	100	95	95	A
3	14002441	niki awalloedin	93	100	98	98	A
4	14002446	yudha pratama sumadi	50	0	0	0	E
5	14002448	ela siti laela	86	100	94	94	A
6	14002454	muhammad raiza pratama	100	100	86	86	A
7	14002459	karno nur cahyo	93	100	99	99	A
8	14002463	ilham nur leksono	100	100	95	95	A
9	14002464	waeisul bismi	100	100	95	95	A
10	14002465	musriatun napiah	100	100	94	94	A
11	14002468	haris dermawan	79	0	0	0	E
12	14002469	achmad fatkharrofiqi	93	100	99	99	A