

**FORMULIR RENCANA STUDI**

S2 TEKNIK INFORMATIKA DAN KOMPUTER
PROGRAM PASCASARJANA MAGISTER TERAPAN
POLITEKNIK ELEKTRONIKA NEGERI SURABAYA

Persetujuan Dosen Pembimbing Utama,

Ketua Prodi S2 Teknik Informatika dan Komputer

Nama : Tahun Ajaran : 2018/2019
 NRP : Semester Gasal
 Tahun Masuk : No. Terbit : 06 / 21.08.18

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Dr.Eng. Bima Sena Bayu Dewantara, S.ST., MT.

SEMESTER 1							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VI201101	Advanced Mathematics	2		2		
2	VI201102	Signals and Systems	2		2		
3	VI201103	Research Methodology and Scientific Writing	2		2		
4	VI201104	Algorithm & Programming		1		3	
5	VE201301	Signals and Systems		1		3	
6	VI201201	AI and Pattern Recognition	2		2		
7	VI201202	Praktikum AI and Pattern Recognition		1		3	
8		Mata Kuliah Pilihan 1	2		2		
9		Praktikum Mata Kuliah Pilihan		1		3	
			10	4	10	12	
		JUMLAH	14		22		

SEMESTER 2							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VI202101	Standardization and Intellectual Property	2		2		
2	VI202301	Progres Tesis 1		2		6	
3	VI202201	Modelling and Simulation	2		2		
4	VI202202	Praktikum Modelling and Simulation		1		3	
5	VI202203	Network Management and Security	2		2		
6	VI202204	Praktikum Network Management and Security		1		3	
7		Mata Kuliah Pilihan 2	2		2		
8		Praktikum Mata Kuliah Pilihan 2		1		3	
			8	5	8	15	
		JUMLAH	13		23		

SEMESTER 3							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VI203301	Progres Tesis 2		2		6	
2	VI203201	High Performance Computing	2		2		
3	VI203202	Praktikum High Performance Computing		1		3	
4		Mata Kuliah Pilihan 3	2		2		
5		Praktikum Mata Kuliah Pilihan 3		1		3	
6		Mata Kuliah Pilihan 4	2		2		
7		Praktikum Mata Kuliah Pilihan 4		1		3	
			6	5	6	15	
		JUMLAH	11		21		

SEMESTER 4							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VI204301	Tesis Akhir		6		18	
2							
3							
4							
5							
6							
			0	6	0	18	
		JUMLAH	6		18		

Mata Kuliah Pilihan yang ditawarkan

Kode	Mata Kuliah	Semester	Kredit		Jam		✓
			Teori	Praktek	Teori	Praktek	
VI200001	Advanced Computer Network	1	2		2		
VI200002	Advanced Computer Network Project	1		1		3	
VI200003	Computer Vision and Image Processing	1	2		2		
VI200004	Computer Vision and Image Processing Project	1		1		3	
VI200015	Network Security	3	2		2		
VI200016	Network Security Project	3		1		3	
VI200017	Wireless Sensor Network	3	2		2		
VI200018	Wireless Sensor Network Project	3		1		3	
VI200019	Intelligent Computing and Applications	3	2		2		
VI200020	Intelligent Computing and Applications Project	3		1		3	
VI200025	Cross-Cultural Communication	3	2		2		
VI200026	Cross-Cultural Communication Project	3		1		3	
VI200039	Advanced Data Science	1	2		2		
VI200040	Advanced Data Science Project	1		1		3	
VE200003	Advanced Control Engineering	1	2		2		
VE200004	Advanced Control Engineering Project	1		1		3	
VE200013	Coding Techniques	3	2		2		
VE200014	Coding Techniques Project	3		1		3	
VE200025	Advanced Electric Drives	3	2		2		
VE200026	Advanced Electric Drives Project	3		1		3	
VE200033	Robot Kinematics	2	2		2		
VE200034	Robot Kinematics Project	2		1		3	
VE200037	Optimal Control Systems	1	2		2		
VE200038	Optimal Control Systems Project	1		1		3	
VE200031	Mobile Network and Pervasive Computing	3	2		2		
VE200032	Mobile Network and Pervasive Computing Project	3		1		3	