

Department of **Informatics**  
Graduate – Informatics Engineering  
FACULTY OF INFORMATION TECHNOLOGY  
**INSTITUT TEKNOLOGI SEPULUH NOPEMBER (ITS)**

Smt	Code	Courses	Credits
1	KI2301	Computational Intelligence	3
1	KI2302	Network-Based Computing	3
1	KI2303	Software Engineering	3
1	KI2411	Topics in Data Mining**	3
1	KI2431	Topics in Human and Computer Interaction**	3
1	KI2451	Topics in Multimedia Network**	3
1	KI2453	Topics in Distributed System**	3
1	KI2474	Topics in Requirement Engineering**	3
2	KI2304	Research Method	3
2	KI2413	Topics in Digital Image Processing**	3
2	KI2414	Topics in Computer Vision**	3
2	KI2434	Topics in Computer Gra**	3
2	KI2441	Topics in Algorithm Design**	3
2	KI2455	Topics in Network Security**	3

Smt	Code	Courses	Credits
2	KI2456	Topics in Mobile Computing**	3
2	KI2457	Topics in Digital Forensics**	3
2	KI2458	Topics in Wireless Network**	3
2	KI2461	Topics in Operation System**	3
2	KI2462	Topics in Network Design and Audit**	3
2	KI2475	Topics in Software Quality Assurance**	3
2	KI2476	Topics in Software Process Perfection**	3
2	KI2482	Topics in Based System Engineering**	3
2	KI2483	Topics in Process-Aware Information System**	3
3	KI2412	Topics in Information Retrieval System**	3
3	KI2421	Topics in Modeling and Simulation**	3
3	KI2422	Topics in Optimization	3

Smt	Code	Courses	Credits
		Technique**	
3	KI2432	Topics in Game Development**	3
3	KI2433	Topics in Augmentation and Virtual Reality**	3
3	KI2452	Topics in Parallel and High Performance Computing**	3
3	KI2454	Topics in Cloud Computing**	3
3	KI2471	Topics in Software Evolution**	3
3	KI2472	Topics in Software Project Management**	3
3	KI2473	Topics in Software Economy**	3
3	KI2481	Topics in System Audit**	3
4	KI2501	Pre Thesis	2
4	KI2502	Thesis	4

\* Select one of those with stars

\*\* Elective courses