

Information Technology (research-oriented course)

Sem	No	Course	Code	Credit	Theories	Pratice	BB/ TC
1	1	Philosophy	ML06001	3	2,0	1,0	BB
1	2	English	SN06003	2	1,5	0,5	BB
2	3	Advanced databases	TH06001	3	3,0	0,0	BB
2	4	Advanced data communications and networking	TH06002	3	2,0	1,0	BB
2	5	Algorithms and complexity	TH06004	3	3,0	0,0	BB
2	6	Advanced artificial intelligence	TH06005	3	2,5	0,5	BB
2	7	Principles of programming languages	TH06010	3	3,0	0,0	BB
2	8	Distributed systems	TH07001	3	3,0	0,0	BB
3	9	Data encryption and security	TH06003	3	3,0	0,0	TC
3	10	Optimization models and methods	TH06006	3	3,0	0,0	TC
3	11	Advanced software engineering	TH06007	3	3,0	0,0	TC
3	12	Advanced computer architectures	TH06008	2	2,0	0,0	TC
3	13	Semantic web technology	TH07002	3	2,5	0,5	TC
3	14	e-Learning	TH07003	3	2,0	1,0	TC
3	15	Management information systems	TH07005	3	3,0	0,0	TC
3	16	Data mining	TH07006	3	3,0	0,0	TC
3	17	Developing applications for mobile devices	TH07007	3	2,0	1,0	TC
3	18	Designing, managing, and bidding for IT projects	TH07008	3	3,0	0,0	TC

3	19	Computer vision	TH07009	3	2,5	0,5	TC
3	20	Bioinformatics and its applications	TH07010	3	2,0	1,0	TC
3	21	Contemporary issues of IT	TH07011	3	3,0	0,0	TC
3	22	Integrated environmental management	MT07050	2	1,5	0,5	TC
3	23	Advanced risk management	KQ07017	2	2,0	0,0	TC
4	24	Master's thesis	TH07999	9			BB

Note. BB: Compulsory; TC: Elective