STUDY PROGRAM COMPUTER SCIENCE

International University Liaison Indonesia



COURSE OUTLINE

The term "informatique" is commonly used by the French to express Computer Science (CS). It is a little different to Information Technology (IT). Even though IT and CS degrees can be used in similar jobs, IT graduates are typically interested in constructing computer systems using software, networks and databases, while CS graduates tend to enjoy mathematics and software design.

CS is usually described as the science of computation. Our curriculum will not be absolutely based on that definition. In IULI, the students will learn mostly CS with a little IT. CS students should enjoy creating efficient software using innovative algorithms, while understanding how the computer hardware works. Besides that specific subject, they will learn how humans interact with computers and how the software takes human input and creates the output. The curriculum also helps the students to learn about and work with other disciplines. It gives the opportunity for students to learn project management and how to work in a team.

The process of maturity starts when the students enter their first year in IULI. They will learn basic science and mathematics. The second year is the time when they touch the concept of computers, such as computer architecture, interfacing, networking and operating systems. In this year they are tasked with the application of mathematics, for example, logic and digital design, computability and algorithms. In the third year, the student will learn how to integrate concepts into a system. This will be conducted in Computer Science System Design classes. In the fourth year, the student will do research, which enables them to produce their own computer. This activity has to offer possible advances in human life, for example, in health, education, transportation, financial, energy, entertainment and social interest.

The progress in computer technology has become part of human civilization. The size, mobility and connectivity are evidence that modern human beings cannot live without computer technology. Therefore, IULI is very much concerned with the current technology, which will be part of the curriculum and student activities.

FIELDS OF ACTIVITIES

- Image processing and pattern recognition for health, transportation and automation
- Distributed architecture to achieve higher performance such as in weather forecasting
- Intelligent systems which imitate human thinking to support automatic mail response
- Cryptographic algorithms to secure information exchange
- Advanced robotics to help medical surgery and other areas



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www.iuli.ac.id

CURRICULUM 2017-2018

Date/ Rev : 08 AUGUST 2017/ Rev. 08 Program : Bachelor Valid : Batch 2017-2018

STUDY PROGRAM : COMPUTER SCIENCE

SUBJECT									
University Compulsory Subjects	1	2	3	4	5	6	7	8	Total
English	2	2	2	2	1	1			10
Computer Network & IT Security	2								2
Applied Statistics	-	2							2
Percent Methodology		2							2
Research Methodology		2	-						2
Environment Sciences			2						2
Civics				2					2
Ethics and Religious Philosophy					2				2
Innovation & Product Development					2				2
E-Commerce						2			2
Indonesian Language & Culture						2			2
Pancasila						2			2
Carl Final Study Examination (OECE)						2			2
Oral Final Study Examination (OFSE)						0			0
Research Semester							6		6
Internship / Project								3	3
Thesis / Thesis Defense								6	6
Total	4	6	4	4	5	7	6	9	45
Engineering Faculty Compulsory Subjects	1	2	3	4	5	6	7	8	Total
Introduction to Engineering	1								1
Chemistry *	0								0
Material Science	2								2
Mathematics 1, 2	2	3							6
Develop 9.1 above to 1.2	2	2							0
Physics & Laboratory 1, 2	3	3							0
Algorithm, Programming 1, 2	3	3							6
Electrical Engineering & Laboratory 1, 2	3	3							6
Engineering Drawing / CAD 1 *	0								0
Statics and Mechanics of Materials *		0							0
Manufacturing Process *			0						0
Applied Mathematics			3						3
Motrology and Quality Control *			0						0
			0						0
			0						0
Computer Aided Design - CAD 2 **			0						0
Computer Aided Design - CAD 2 ** Engineering Economy ***			0		2				0
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 ***			0		2 3	3			0 2 6
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management ***			0		2 3	3			0 2 6 2
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE)	15	12	0	0	2 3 5	3 2 5	0	0	0 2 6 2 40
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE)	15	12	0 3	0	2 3 5	3 2 5	0	0	0 2 6 2 40
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects	15	12	0 3 3	0	2 3 5 5	3 2 5 6	0 7	0	0 2 6 2 40 Total
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science	15 1	12	0 3 3	0	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics	15 1 1 3	12	0 3 3	0	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure	15 1 1 3	12 2 3	0 3 3	0	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics	15 1 1 3	12 2 3 2	0 3 3	0	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Compunication	15 1 1 3	12 2 3 2	0 3 3 2	0	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Disitiel Logis & Disitiel Systems	15 1 1 3	12 2 3 2	0 3 3	0	2 3 5 5	3 2 5 6	0 7	0	0 2 6 2 40 Total 1 3 3 2 2 2
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems	15 1 1 3	12 2 3 2	0 3 3	0	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 2
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems	15 1 1 3	12 2 3 2	0 3 3 2 2 3	0	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 2 3 3
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture	15 1 3	12 2 3 2	0 3 3 2 2 2 3 4	0	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 3 4
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2	15 1 1 3	12 2 3 2	0 3 3 2 2 3 4 2	0 4	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 3 4 4
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction	15 1 1 3	12 2 3 2	0 3 3 2 2 3 4 2	0 4 2 2	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 3 4 4 4 2
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy	15 1 1 3	12 2 3 2	0 3 3 2 2 3 4 2	0 4 2 2 3	2355	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 3 4 4 4 4 2 3
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems	15 1 1 3	12 2 3 2	0 3 3 2 2 3 4 2	0 4 2 2 3 3	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 3 4 4 4 4 2 3 3 3
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems	15 1 1 3	12 2 3 2	0 3 3 2 2 3 4 2	0 4 2 2 3 3 3 2	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 3 4 4 4 2 3 3 4 4
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Bosearch	15 1 3	12 2 3 2	0 3 3 2 2 3 4 2	0 4 2 2 3 3 2	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 3 4 4 4 2 3 3 4 4 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 2 3 3 4 4 2 2 2 3 3 4 2 2 2 3 3 4 2 2 2 2
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2	15 1 1 3	12 2 3 2 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3	0 3 3 2 2 3 4 2	0 4 2 2 3 3 2 2	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 3 4 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2	15 1 1 3	12 2 3 2 3 2 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3	0 3 3 2 2 3 4 2	0 4 2 2 3 3 2 2 2	2 3 5 5	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 3 4 4 2 3 3 4 4 2 3 3 4 4 2 4
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2 Computer Science Systems Design 1,2	15 1 1 3	12 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3	0 3 3 2 2 3 4 2	0 4 2 2 3 3 2 2 2	2 3 5 5 7 7 7 7 2 2 2 2 2 2	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 2 3 4 4 4 2 3 3 4 4 2 4 4 4 4
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2 Computer Science Systems Design 1,2 IT Security 1,2,3	15 1 1 3	12 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3	0 3 3 2 2 3 4 2	0 4 2 2 3 3 2 2 2 2 2 2	2 3 5 5 	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 2 3 4 4 2 3 3 4 4 2 3 3 4 4 2 4 4 4 10
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2 Computer Science Systems Design 1,2 IT Security 1,2,3 System Modeling & Simulation	15 1 1 3	12 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3	0 3 3 2 2 3 4 2	0 4 2 2 3 3 2 2 2 2 2 2	2 3 5 5 7 7 7 7 7 2 2 2 2 2 2 4	3 2 5 6	0	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 3 4 4 4 2 3 3 4 4 2 3 3 4 4 2 4 4 4 10 3
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2 Computer Science Systems Design 1,2 IT Security 1,2,3 System Modeling & Simulation Elective Subjects	15 1 1 3	12 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 3 2 3 3 3 3 3 3 3 3 3 3	0 3 3 2 2 3 4 2	0 4 2 2 3 3 2 2 2 2 2 2 4	2 3 5 5 2 2 2 2 2 2 2 4 4	3 2 5 6	0	0	0 2 6 2 40 1 3 3 2 2 2 2 3 4 4 4 2 3 3 4 4 2 3 3 4 4 2 4 4 2 4 4 10 3 3 12
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2 Computer Science Systems Design 1,2 IT Security 1,2,3 System Modeling & Simulation Elective Subjects Total	15 1 1 3	12 2 3 2	0 3 3 2 2 3 4 2	0 4 2 2 3 3 2 2 2 2 2 2 4 20	2 3 5 5 2 2 2 2 2 4 4 16	3 2 5 6	0	0	0 2 6 2 40 7 0 1 3 3 2 2 2 2 2 3 4 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 10 3 3 12 7 1
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2 Computer Science Systems Design 1,2 IT Security 1,2,3 System Modeling & Simulation Elective Subjects Total Total 1, 2, 3	15 1 1 3 	12 2 3 2 2	0 3 3 2 2 3 4 2 2 3 4 2 1 3 4 2 2	0 4 2 2 3 3 2 2 2 2 2 2 4 20 24	2 3 5 5 7 7 7 7 2 2 2 2 2 2 4 4 4 16 23	3 2 5 6 	0 7	0	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 3 4 4 4 2 3 3 4 4 2 3 3 4 4 2 4 4 10 3 12 71 154
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2 Computer Science Systems Design 1,2 IT Security 1,2,3 System Modeling & Simulation Elective Subjects Total Total 1, 2, 3	15 1 1 3 4 24	12 2 3 2 2	0 3 3 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 3 4 4 2 2 2 2	0 4 2 2 3 3 2 2 2 2 2 4 20 24	2 3 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3 2 5 6	0 7	0 8 0 0 9	0 2 6 2 40 Total 1 3 3 2 2 2 2 2 3 4 4 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 2 3 3 4 4 4 2 2 2 2
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2 Computer Science Systems Design 1,2 IT Security 1,2,3 System Modeling & Simulation Elective Subjects Total Total 1, 2, 3 Extra Curricular	15 1 1 3 4 24 1 2	12 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3 3 3 2 3 3 3 2 3 3 3 2 3 3 3 3 2 3 3 3 3 3 2 3 3 3 3 3 2 3	0 3 3 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 3 4 2 2 3 3 4 2 2 3 3 4 2 2 3 3 4 2 2 3 3 4 2 2 3 3 3 3	0 4 2 2 3 3 2 2 2 2 4 20 24 4 20 24	2 3 5 5 5 2 2 2 2 2 2 2 2 4 4 4 16 23 5 2	3 2 5 6	0	0	0 2 6 2 40 7 0 1 3 3 2 2 2 2 2 3 4 4 4 2 2 3 4 4 2 2 3 4 4 2 2 3 4 4 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 1 2 2 2 2 3 3 4 4 0 2 2 2 2 2 3 3 4 4 0 1 2 2 2 2 2 3 3 4 4 0 2 2 2 2 2 2 3 3 4 4 0 2 2 2 2 2 2 2 2 3 3 4 4 0 2 2 2 2 2 2 3 3 4 4 0 2 2 2 2 2 2 2 3 3 4 4 0 2 2 2 2 2 2 2 2 3 3 4 4 4 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Computer Aided Design - CAD 2 ** Engineering Economy *** System Design 1, 2 *** Engineering Management *** Total (Exclude: */** COS, ** ELE, *** INE) Computer Science Compulsory Subjects Introduction to Computer Science Logistics Advance Data Structure Discrete Mathematics Collaboration & Communication Digital Logic & Digital Systems Operating Systems Computer Architecture Interfacing & Data Communication 1,2 Human-Computer Interaction Cost & Management Accountancy Distributed Database Systems Networking 1,2 Operational Research Software Engineering 1,2 Computer Science Systems Design 1,2 IT Security 1,2,3 System Modeling & Simulation Elective Subjects Total Total 1, 2, 3 Extra Curricular German Language	15 1 1 3 4 24 1 2	12 2 3 2 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3 3 3 2 3 3 3 3 2 3 3 3 3 3 3 2 3	0 3 3 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 3 2 2 3 2 2 5	0 4 2 2 3 3 2 2 2 2 2 2 2 2 2 2 2 4 20 24 4 20 24 4 20 24	2 3 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3 2 5 6	0	0	0 2 6 2 40 7 0 1 3 3 2 2 2 2 2 3 4 4 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 4 4 2 2 7 2 7 2 7 2 7 2 7 7 7 7 7 7 7

Subject to change

The actual implementation follows the internal arrangements & policy of the Department & Faculty





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File: COS-Flyer-Aug-2017

IULI - Eco campus, The Breeze Jl. BSD Grand Boulevard BSD City 15345 Island of Java