

BIT Semester 5 Academic Roster

02.12.2017 – 13.05.2018

	Saturday	Sunday
	Colombo	Gampaha
02/03 - DEC	SEC 1	SEC 1
	PRO 1	PRO 1
09/10 - DEC	BM 1	BM 1
	CS 1	CS 1
16/17 - DEC	SEC 2	SEC 2
	PRO 2	PRO 2
23/24 - DEC	HD	HD
30/31 - DEC	BM 2	BM 2
	CS 2	CS 2
06/07 - JAN	SEC 3	SEC 3
	MM 1	MM 1
13/14 - JAN	PIIT 1	PIIT 1
	CS 3	CS 3
20/21 – JAN	PIIT 2	PIIT 2
	SEC 4	SEC 4
27/28 - JAN	MM 2	MM 2
	CS 4	CS 4
03/04 – FEB	PIIT 3	PIIT 3
	SEC 5	SEC 5
10/11 – FEB	MM 3	MM 3
	CS 5	CS 5
17/18 – FEB	PIIT 4	PIIT 4
	SEC 6	SEC 6
24/25 – FEB	MM 4	MM 4
	CS 6	CS 6
01 – MAR	SD	SD
03/04 – MAR	PIIT 5	PIIT 5
	SEC 7	SEC 7
10/11 – MAR	PRO 3	PRO 3
	CS 7	CS 7
17/18 – MAR	PIIT 6	PIIT 6
	SEC 8	SEC 8
24/25 – MAR	PRO 4	PRO 4
	CS 8	CS 8
31/01 – MAR	BM 3	BM 3
	SEC 9	SEC 9
07/08 – APR	MM 5	MM 5
	CS 9	CS 9

Professional Issues in IT

1. Teamwork Concepts and Issues
2. Social Context of Computing/ Professional Communications
3. Intellectual Property
4. Legal Issues in Computing / Organizational Context
5. Professional and Ethical Issues & Responsibilities
6. History of Computing / Privacy and Civil Liberties
7. Revision

Fundamentals of Management

1. Organization / Manager / Change and Innovation
2. Evolution of Management / Environment of management
3. Planning / Organizing / Leading
4. Controlling / Decision making
5. Revision

Information Systems Security

1. Security Issues in Information Systems
2. Cryptography in Cryptosystems
3. Symmetric Key Cryptographic Algorithm – 1
4. Symmetric Key Cryptographic Algorithm – 2
5. Asymmetric Key Cryptographic Algorithm
6. Public Key Infrastructure
7. Integrity of Messages / Security Policies and Assessments
8. Network Security Protocols
9. Internet Security Techniques
10. Revision

Fundamentals of Multimedia

1. Introduction to Multimedia and Text
2. Image Processing (Adobe Photoshop)
3. Audio Processing
4. Video Processing
5. Animation /Advanced Topics in Multimedia
6. Revision
7. Revision

	Saturday	Sunday
	Colombo	Gampaha
14/15 – APR	HD	HD
21/22 – APR	BM 4 SEC 10	BM 4 SEC 10
28 – APR	MM 6 CS 10	
29/30 – APR	Vesak-HD	Vesak-HD
01 – MAY		MM 6 CS 10
05/06 – MAY	BM 5 SEC 10	BM 5 SEC 10
12/13 – MAY	MM 7 CS 11	MM 7 CS 11
19/20 – MAY	Semester 5 Exam	

Computer Systems II

1. Introduction to Hypervisors / Introduction to Cloud computing
2. OS fundamentals (Process management)
3. OS fundamentals (Memory management)
4. OS fundamentals (Storage management)
5. Uniprocessor Architecture (CPU Word length effects and floating point)
6. Multiprocessors (Flynn's classification / Shared memory multiprocessors)
7. Multiprocessors (Amdahl's law and extracting parallelism)
8. Uniprocessor Architecture (Memory hierarchy)
9. Uniprocessor Architecture (CPU paradigms / CPI, FLOPS, etc..and conversion from IPS to CPI)
10. Uniprocessor Architecture (RISC architecture)
11. Revision

Final Year Project

1. Process of the Final Project (EUC-Process, UCSC-Process, Selecting a suitable project, Project Proposal and Dissertation Chapter-1, Project Management)
2. Modelling Diagram for Analysis and Designing, Dissertation Chapter – 2 and 3 (Analysis and Designing) (Drawing ER, Use case/Sequence/Class), Design Patterns (MVC)
3. Error handling / Validation / CSS
4. Evaluation Techniques and Reporting Techniques (Business Flow, Power-Point Presentation, Viva, Coding-Debugging and Modification)