UNIVERSITY OF COLOMBO, SRI LANKA

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

Degree of Bachelor of Science in Information Systems /
Degree of Bachelor of Science Honours in Information Systems
(Amendment) Regulations

Regulations made by the Senate of the University of Colombo under Section 136 of the Universities Act No.16 of 1978 as subsequently amended and read with the University of Colombo School of Computing Ordinance No. 1 of 2002 as last amended by the University of Colombo School of Computing (Amendment) Ordinance No 01 of 2011.

Regulations

1. These Regulations may be cited as the Degree of Bachelor of Science in Information Systems / Degree of Bachelor of Science Honours in Information Systems (Amendment) Regulations No 11 of 2018.

2. These Regulations shall be deemed to have come into effect from January 2018.

Amendment

3. Section 11(b) of the **Degree Bachelor of Science in Information Systems / Degree of Bachelor of Science Honours in Information Systems Regulations** of 2013 (hereinafter referred to as "the parent Regulations") is hereby amended by its repeal and replacement by the following Section 11(b):

   "11(b). completed all Academic Credits in the first two academic years and at least **18** Academic Credits in the third academic year."

4. Section 12(b) of the parent Regulations is hereby amended by its repeal and replacement by the following Section 12(b):

   "12(b). completed all Academic Credits in the first two years, a minimum of **18** Academic Credits in the third academic year and a minimum of 30 Academic Credits in the fourth academic year."

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5. Section 13 of the parent Regulations is hereby amended by its repeal and replacement by the following Section 13:

"13. A Student qualifying for the award of a degree by completing all the relevant requirements, in the first period of registration, shall also be qualified for the award of a class as follows.

(a) First Class – by obtaining a minimum overall GPA of 3.70
(b) Second Class (Upper Division) - by obtaining a minimum overall GPA of 3.30
(c) Second Class (Lower Division) – by obtaining a minimum overall GPA of 3.00."

6. Schedule No.1 of the parent Regulations is hereby amended by its repeal and replacement by the following Schedule No.1:

Schedule No.1

First Year Courses (All Compulsory)			
Subject Code	**Subject Name**	**Credits**	
		Lecture	**Practical**
IS1101	Programming and Problem Solving	2L	1P
IS1102	Computer Systems	2L	
IS1103	Information Systems Management	2L	
IS1104	Applications Laboratory	1L	1P
IS1105	Introduction to Management	2L	
IS1106	Discrete Mathematics	2L	
IS1107	Interactive Media Design	2L	1P
EN1101	Enhancement I (Business Communication)	1L	
IS1108	Financial Accounting	1L	1P
IS1109	Programming for Web Application Development	2L	1P
IS1110	Database Management	2L	
IS1111	Software Engineering	2L	1P
IS1112	Probability and Statistics	1L	
IS1113	Organizational Behavior and Society	1L	
IS1114	Data Structures and Algorithms I	2 L	1P
IS 1115	Fundamentals of Economics	1L	
EN1102	Enhancement II	1L	

Second Year Courses - (All Compulsory)			
Subject Code	**Subject Name**	**Credits**	
		Lecture	**Practical**
IS2101	Systems Analysis and Design	2L	
IS2102	Group Project I*		4P
IS2103	Digital Marketing	2L	
IS2104	Rapid Application Development	2L	1P
IS2105	Business Statistics	2L	1P
IS2106	Business Process Management	2L	
IS2107	Graphics and Visualization	1L	1P
IS2108	IT Project Management	2L	
IS2109	Information Systems Security	2L	1P
IS2110	Data Structures and Algorithms II	2L	
IS2111	Computer Networks	2L	1P
IS2112	e-Business Strategies	2L	
IS2113	Community Informatics (ICT for Developments)	2L	
IS2114	Business Process Re-engineering		2P
EN2102	Enhancement III (Entrepreneurship)	1L	

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Third Year Courses					
Subject Code	**Subject Name**	**BSc (IS)**	**BSc (Hons in IS)**	**Credits**	
				Lecture	**Practical**
IS3101	Enterprise Resource Planning Systems	X	X	2L	
IS3102	Human Computer Interaction	X	X	2L	1P
IS3103	Software Quality Assurance	X	X	1L	1P
IS3104	Strategic Management	O	O	2L	
IS3105	Professional Practice	X	X	2L	
IS3106	IT Procurement Management	O	O	2L	
IS3107	Contingency Planning and Risk Management	O	O	2L	
IS3108	Middleware Architecture	O	O	2L	1P
IS3109	Systems and Network Administration	O	O	2L	1P
IS3110	Research Methods	O	X		2P
IS3111	Operations Research	O	O	2L	
IS3112	Game Development	O	O	1L	2P
IS3113	Group Project II	X	-		3P
IS3114	Enterprise Applications	X	X	2L	
IS3115	Mobile Application Development	O	O	2L	1P
IS3116	Database Management System II	O	O	2L	
IS3117	Machine Learning and Neural Computing	O	O	2L	
IS3118	E-Learning and Instructional Design	O	O	2L	
EN3101	Industrial Placement	X	X		8P

Fourth Year Courses				
Subject Code	**Subject Name**	**Compulsory /Elective**	**Credits**	
			Lecture	**Practical**
IS4101	Final Year Project in Information Systems*	X		8P
IS4102	Advanced Software Quality Assurance	X	1L	1P
IS4103	Data Analytics	O	2L	1P
IS4104	Research Seminar	X		2P
IS4105	Advanced Concepts in Software Design and Development	O	2L	1P
IS4106	Advanced Database Management	O	2L	1P
IS4107	Ethical Issues and Legal aspects of IT	O	1L	
IS4108	Natural Language Processing	O	2L	1P
IS4109	Cognitive Robotics	O	1L	1P
IS4110	Parallel Computing	O	2L	1P
IS4111	Computational Biology	O	2L	1P
IS4112	Geographical Information Systems	O	1L	1P
IS4113	Digital Forensics	O	2L	
IS4114	IS Innovation	X	2L	
IS4115	Enterprise Architecture	O	2L	
IS4116	Business Intelligence Systems	X	2L	
IS4117	Intelligent Systems	O	2L	
IS4118	Embedded Systems	O	2L	1P
IS4119	Philosophy of Science	X	1L	

NB:

X - compulsory	**O - optional/elective**	*** - offered throughout the year**	**- not offered**

BSc (IS) – BSc in Information Systems
BSc Hons (IS) – BSc Honours in Information Systems

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