BACS1024 INTRODUCTION TO COMPUTER SYSTEMS

May / June 2020 Semester

1. Course Details

Faculty	:	FOCS
Course	:	BACS1024 Introduction to Computer Systems (ICS)
Programme	:	RSF1(S1), RDS1(S1), RDS2(S1)
Sem / A.Y.	:	May / June 2020
Credit Value	:	4
Contact Hrs	:	2L, 1T, 2P

2. Lecturer's Details

Name	:	Ms. Choy Lai Fun
Email	:	choylf@tarc.edu.my

3. Assessment Mode

Mode	%	Remarks
Exam / e-assessment	40	4 questions x 25m = 100m
Coursework	60	Assignment = 75m E-Test = 25m (Chap. 1-5) Total = 100m
Total	100	

4. Tentative Schedule

4.1 Chapters covered

Chapters	Topics
1	Introduction to Computer Systems
2	Numerical Data Representation
3	Floating Point Representations & Bitwise Logics
4	Addressing Data in Memory & Segments
5	Computer Architecture & Memory
6	Assembly Language Fundamentals – Part I
7	Assembly Language Fundamentals – Part II
8	Input / Output Facilities
9	Operating Systems Technology
10	Processor Management
11	Virtual Memory

4. Tentative Schedule

4.2 Lecture / Tutorial / Practical Classes

Week	L	T	P	CW
1	C1	T1	PL1	
2	C1, C2	T2	P1	
3	C2, C3	T3	C4, PL2	
4	C3, C5	T4	P2	
5	C5, C6	T5	PL3	
6	C6	T6	P3	A: Proposal
7	C6, C7	T7	P3	
8	C7, C8	T8	P3	E-test
9	C8, C9	T9	PL4	
10	C9	T9	P4	A: Final
11	C10	T10	PL5	
12	C10	T10	P5	
13	C11	T11	PL6	
14	C11	T11	P6	

4. Tentative Schedule

4.3 Topics covered during Practical Classes

Practical	Topics / tools
P1	PC maintenance
P2	Debug Program
P3	Assembly Language Program
P4 - P6	Operating systems

4. Tentative Schedule

4.4 Coursework (CW)

CW	Components	Marks allocation	Components	Schedule
1	Assignment	75	1) Proposal 2) Complete program & report	Week 6 Week 10
2	E- test	25	3) Test	Week 8

5. Tools

Topics			Tools
0	Lecture / tutorial / practical		Google G Suite
1	P1	PC Maintenance	(1) Desktop PC (2) Screwdriver
2	P2 – P3	Debug Program & Assembly Language	(1) Dosbox
3	P4 – P6	OS Management	(1) Oracle VirtualBox / VMware (2) Ubuntu

6. Make Good Opportunity

- ***To be eligible for the make-good test***, students have to :
  - ❑ Demonstrate serious efforts by participating in classes, attending test(s), doing practical questions, and submitting assignment.
  - ❑ Have satisfactory attendance for classes.
  - ❑ Score ***at between 40% - 49%*** on their coursework marks.
- ***Prior to Make Good:***
  - ❑ Students will be ***informed during class / via Google Classroom*** if they are eligible to do a make-good test.
- ***During Make Good:***
  - ❑ *Complete the tasks(s)/test assigned within the stipulated time frame*
- ***Post Make Good***
  - ❑ ***To pass the coursework***, students MUST have to obtain ***at least 50%*** from the make-good test.
  - ❑ ***The highest mark obtainable after a make-good*** is the pass mark, i.e. ***50***.
  - ❑ Students who do not pass their coursework would be required to ***REPEAT*** the Course.

7. Attendance

- Student(s) with poor attendance may be barred from examination / e-assessment,

8. Support

- E-learning for student

  https://sites.google.com/student.tarc.edu.my/elearningstudent/home

Learning is Fun

~ Happy Learning ~