**INTRODUCTION TO COMPUTER SCIENCE**

*Making sure that you can attend all lectures, all class tests and complete all assignments. Otherwise, you should take another class on “Introduction to Computer Science” or take it in another year.*

**Lecture Schedule**

**Date Description Due Date**

September 09, 2022 Holiday Assignment 1

September 16, 2022 Lecture 01 Assignment 2

September 23, 2022 Lecture 02 Assignment 3

September 30, 2022 Lecture 03 Assignment 4

October 07, 2022 Lecture 04 Assignment 5

October 14, 2022 Lecture 05 Assignment 7

October 21, 2022 Lecture 06 Assignment 8

October 28, 2022 Lecture 07 Assignment 9

November 04, 2022 Mid-Term Exam (\*)

November 11, 2022 Lecture 08 Assignment 10

November 18, 2022 Lecture 09 Assignment 11

November 25, 2022 Lecture 10 Assignment 12

December 02, 2022 Lecture 11 Assignment 13

December 09, 2022 Lecture 12 Assignment 14

December 16, 2022 Class Test I (\*)

December 23, 2022 Class Test II (\*)

December 30, 2022 Class Test III (\*)

January 06, 2022 Final Exam (\*)

(\*) All tests and exams will be started at 9:30am and finished by 11:00am. After each test, lecture will be conducted after 11:15am. For the exams, there is no lecture afterward.

**Tutorial Sessions**

Tutor: Janet Chang. Venue & Time: TBD.

Make-up classes will be arranged on a weekday evening in Week 9 and a weekday evening in Week 18. The actual time slots will be announced in Week 8 and Week 17.

Students should make appointments with TA/Professor for additional tutorial sessions if necessary.

**Assessment**

Midterm Exam (ME): 50%; Final Exam (FE): 50%

Assignments (A): -14% to 14% (Bonus)

Class Tests (CT): -6% to 6% (Bonus)

Final score = *MIN*{100, ME + FE + A + CT}.

Student who has skipped class without ‘proper reason’ for more than three times will get “0” in his/her final score.

**Course Materials**

Lecture notes, sample assignments, past papers are appeared in the following URL.

<https://john.digi-pack.io/CS/cs2022fall.html>

Students should download the notes, print them out and bring them back to the class. Here is the list of documents to be downloaded, printed and bound.

1. Class Schedule 2020 Fall (Class\_Schedule\_2020Fall.docx)
2. History of Computer (ppt)
3. Digital Systems (digital\_systems\_2020.pdf)
4. Process and Computer (computer\_system\_2020.pdf)
5. Operating Systems (operating\_systems\_2020.pdf)
6. Computer Network (computer\_network\_2020.pdf)
7. Information Security (ppt)
8. Software 1 (ppt)
9. Software 2 (ppt)
10. C Programming (cprogramming\_2020.pdf)

Students are needed to bring with their hardcopies to the class for taking notes. Students should read through the lecture notes. If there is any enquiry about the content in the notes, please contact TA or Professor John Sum for assistance.

Apart from the lecture notes available on the course homepage, additional materials will be added during the lecture in a form of written notes on the board. Students need to take those notes.

Past examination papers (some of them) are available on the course homepage. Students should download them for preparing for the class tests and exams. *Model answers of the past papers are not provided.*

**Useful Videos On YouTube**

1. History of Computers – <https://www.youtube.com/watch?v=6dME3wgaQpM>
2. History of the Origin and Development of Internet <https://www.youtube.com/watch?v=iIksS1kt7Hc>
3. History Channel: The Invention of Internet –<https://www.youtube.com/watch?v=M9ebkjWU6Z4>
4. History of Telephone – <https://www.youtube.com/watch?v=j3RbnsHTuVw>
5. IEEE Spirit of Innovation – <https://www.youtube.com/watch?v=h8Jyts3UyLQ>
6. How a CPU Work – <https://www.youtube.com/watch?v=cNN_tTXABUA>
7. Understanding Computer and Internet, 2011 Edition, Harvard Extension School – <https://www.youtube.com/channel/UCWuNClnYEMKzK16G3ygqbbw>

**Lecture Attendance**

In each lecture, the classroom will be open around 9:00am. Students should be seated before 9:10am. Lecture will be started at 9:10am.

A student should attend all the lectures. Your attendance will be checked in each lecture.

*If you have already planned to skip any one of the lectures, please drop the course and re-take it in another year.*

*Student who has skipped class without ‘proper reason’ for more than three times will get “0” in his/her final score. The instance (together with the student’s performance and attendance records) will be reported to the university.*

In accordance with the university regulation, participating freshman orientation, cheerleader dancing, open competition, meeting or conference is not considered as a proper reason.

Applying leave or absent has to be done in person via an email ([pfsum@nchu.edu.tw](mailto:pfsum@nchu.edu.tw)) with ‘reason’ to “Prof. John Sum” at least one day before the date of leave or absent.

For sick leave, student has to send an email to Prof. John Sum on the date of absent and then show the ‘medical certificate’ to Prof. John Sum soon as possible after the date of absent.

**Uses of Notebook & Cell Phone**

No notebook or cell phone is allowed to be on and used in the class.

Notebook and cell phone could not be used during breaks.

All cell phones have to be set to ‘silent and vibration’ or ‘silent’ mode.

In case you are waiting for urgent calls, please inform Prof. John Sum in advance.

**Food**

Students are not allowed to eat food in the classroom. In case you need to do so, please eat outside the classroom and come back for lecture after eating.

**Assignments**

Assignment sheets will only be distributed during the lectures. Sometimes, the questions of an assignment will be put on board. Students have to copy them on their paper notebooks. No electronic copy is available for download. If you have skipped a class, please ask any one of your fellow classmates for making a copy.

You will have both written assignments and program assignments. All of them are individual assignments.

For written assignments, the answers must be in English and the answers should be prepared by WORD or other word processing software. If you have any problem in preparing a softcopy for assignment submission, please contact TA or Prof. John Sum.

For some written assignments, students are needed to watch video and write a summary. Again, the summary must be in English and prepared by WORD or other word processing software.

For programming assignments, students have to do two things. First, the source code has to be submitted to the course Gmail account. Second, each student needs to make an appointment to your TA, bring the source code for compilation and answer questions regarding the program detail.

**\*\*\* If you skip/forget/delay the submission of any one assignment, you will get ‘-1’ bonus for this assignment. No resubmission is allowed. \*\*\***

**Assignment Submission**

All assignments must be submitted to the Gmail account [csformgtnchu@gmail.com](mailto:csformgtnchu@gmail.com) before Friday 00:00 with the softcopy (in WORD or PDF) attached.

The formats of the email heading and the file attached should follow the formats below.

Email heading: cs2022fall-assignmentXX-studentID

Filename: cs2022fall-assignmentXX-studentID

*Note that there is no space in the email heading and file name*.

For instance, student with ID 4110021999 submits Assignment 4 (in WORD) to the Gmail. The email heading and the filename should be specified like that.

Email heading: cs2022fall-assignment04-4110021999

Filename: cs2022fall-assignment04-4110021999.docx

Suppose the student would like to submit a new version (version 2) of Assignment 4, the email heading and filename should be specified like that.

Email heading: cs2022fall-assignment04-4110021999-v2

Filename: cs2022fall-assignment04-4110021999-v2.docx

In case the student would like to submit version 3 or version 4, the suffixes of the email heading and filename would simply change from v2 to v3 or v4.

The submission time is with reference to the time shown in the Gmail system. A submission is treated as late if its arrival time shown in the Gmail system is later than Friday 00:00.

**\*\*\* Policy on Copying Assignments \*\*\***

Student cannot copy any part of the answers of an assignment from any other student. It is a serious crime if you do. This act will be considered as plagiarism. All these instances will be reported immediately to university for further action, likely termination of study. **Any student who copies from any one of the fellow classmates will get “0” in his/her final score. The student who lets his/her classmate to copy will also get “0” in the final score.**

**Examinations & Class Tests**

During each class test or examination, students have to bring with their student ID cards for authentication.

For no-show students, no supplementary test or examination will be arranged for them.

**\*\*\* If you skip/forget a class test, you will get ‘-2’ bonus for the test. \*\*\***

**\*\*\* If you skip an examination, you will get ‘0’ score for the examination. \*\*\***

Only under exceptional situations, no-show students might have make-up arrangement.