

# Some Words Before the First Class of Course CS091M4041H/CSB0912009Y

Dongbo Bu

Institute of Computing Technology  
Chinese Academy of Sciences

Email: [dbu@ict.ac.cn](mailto:dbu@ict.ac.cn)

WWW: <http://bioinfo.ict.ac.cn/~dbu/>

September 17, 2020

# 1 Course information

**Objective** The objective of the course can be described as follows:

- to master the ability to extract mathematically clean core of a problem,
- then identify an appropriate algorithm design technique based on the problem structure observations,
- and finally prove the correctness and analyse algorithm performance.

**Web site** All the course information, including slides, demos, etc, are available via [http://bioinfo.ict.ac.cn/~dbu/AlgorithmCourses/CS091M4041H/CS091M4041H\\_2020.html](http://bioinfo.ict.ac.cn/~dbu/AlgorithmCourses/CS091M4041H/CS091M4041H_2020.html)

**TA** We have a total of seven TAs for the course, and they can be reached at 62600817 or tagc@ict.ac.cn.

We will have a total of 5 “Question-and-Answer” time in this term. The actual schedule will be sent to you via email.

# 2 Marking policy

The final score consists of the following two parts:

1. Assignments (24 marks): We will have a total of 8 assignments and each assignment has 3 marks.
2. Final exam or research report (76 marks): The final exam has a total of 10 questions (denoted as  $Q1 - Q10$ ).
  - $Q1 - Q8$ : Each question has a mark of 8, and they are simply variants of **randomly chosen** questions from the corresponding assignments.
  - $Q9 - Q10$ : Each question has a mark of 6, and they never appear in any assignments in any forms.

**Notice:**

1. Algorithm implementation on computer is highly emphasized in our course besides simply writing pseudo-code on paper.

2. You would better write answers using Latex and finally submit a pdf file. Latex suites are available through:
  - Mac system: TexShop ([http://download.cnet.com/TeXShop/3000-2054\\_4-6112.html](http://download.cnet.com/TeXShop/3000-2054_4-6112.html))
  - Windows system: CTEX (<http://www.ctex.org>) is a good choice.
  - Linux system: TexWorks + spell
3. A template for drawing figures using Latex is available on the course website.