

CSC9006: Real-Time Systems

Introduction

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NATIONAL TAIWAN NORMAL UNIVERSITY

Course logistics



- Course website: <https://wangc86.github.io/csc9006/>
 - Homework submission: via NTNU Moodle (<https://moodle.ntnu.edu.tw/>)
- Course meetings: Thursdays 9:10-12:10 in S406, Gongguan Campus
- Instructor: Chao Wang 王超 (<https://wangc86.github.io/>)
 - Email: cw@ntnu.edu.tw
 - Office: Room 511, Applied Science Building, Gongguan Campus
 - Office hours: Tuesdays and Fridays, 8-10am
- Teaching assistant: Chen-You Lin 林政佑
 - Email: 60747047s@gapps.ntnu.edu.tw
 - Office: C208, Gongguan Campus

Course organization

- Intended audience:
 - students who are familiar with operating systems concepts and are comfortable to C/C++ and Linux
 - typically, this applies to graduate students and junior/senior undergraduates
- Learning objectives of this course:
 - Real-time computing theory and practice
 - Real-time software engineering
 - Recent advances in real-time systems research

Textbooks and other references

- Required textbook:
 - Kopetz, Hermann. Real-Time Systems: Design Principles for Distributed Embedded Applications. Springer; 2nd ed. 2011 edition. ISBN 978-1441982360
- See the course webpage for further reference materials



<https://wangc86.github.io/csc9006/>

Grading policy

- Hands-On Assignment 60%
 - Literature Study and Critique 30%
 - Participation 5%
 - Attendance 5%
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- No late homework submission; every homework assignment counts

Course structure

- Textbook Readings
- In-Class Discussions
- Hands-On Assignments
- Research Literature Study and Critique

Critique guideline

- About 500 words of ideas/comments for each paper.
- Write your own thoughts. Do not simply summarize the paper.
- Identify open issues and limitations of the paper (think of yourself as a reviewer or a researcher on the same subject).
- Sample points to include in your critique:
 - Are the assumptions reasonable and realistic?
 - Is the proposed solution practical?
 - Any problems with the experiments? Do the results support the claims?
 - Any technical errors or limitations? Any way to improve the work?

This guideline is derived from one for the CSE521S course taught at Washington University in St. Louis, USA:

<https://www.cse.wustl.edu/~lu/cse521s/critique.html>



Academic integrity



本校校訓由第三任劉真校長所訂，於民國41年2月20日第27次行政會議通過。劉校長希望同學們從內心的修養到生活的實踐，都能切切實實地做到這四個字，以樹立良好的學風，進一步達到改造社會的目的。

誠

不虛偽、不欺妄。

凡事能做到始終如一、擇善固執。

正

不偏私、不枉曲。

凡事能做到光明正大，貞固剛毅。

勤

不怠惰、不因循。

凡事能做到自強不息、鍥而不捨。

樸

不奢靡、不浮華。

凡事能做到質樸無華，闇然尚絅。

- Sincerity
- Integrity
- Diligence
- Simplicity

http://archives.lib.ntnu.edu.tw/c2/c2_1.jsp