

Special Topics on Embedded Systems/Software

Course Description: This course studies important issues in embedded systems/software. The following topics will be covered in the course:

- Components of embedded systems/software
- Design issues of Embedded systems/software
- Low-power system/software design
- High-performance systems/software design
- Reliable systems/software design
- Optimization techniques for embedded systems/software

Throughout the course, students will be asked to apply their understanding of the above topics on exam and term project.

Prerequisites: operating systems, computer architecture

Textbook: no textbook. Recent papers and handouts will be used.

Instructor: Prof. **Soontae Kim**

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Office Hours: before and after classes, knock on my office door for short questions, or via appointment for a long discussion

Grading Policy: Final grade will consist of the followings:

Exam 30%

Attendance & participation 15%

Three presentations 15%

Two intermediate papers 10%

Term paper 30%