



**Hankuk University of Foreign Studies**  
**2025 Winter Session**  
**CSC 180 Computing and Society in History**  
**Course Outline**

**Course Code: CSC 180**

**Instructor: Mo Sha**

**Home Institution: Florida International University**

**Office Hours: TBA and by appointment**

**Email: [msha@fiu.edu](mailto:msha@fiu.edu)**

**Credit: 4**

**Class Hours:**

This course will have 60 class hours, including 32 lecture hours, professor 8 office hours, 8-hour TA discussion sessions, 4-hour review sessions, 8-hour extra classes.

**Course Description:**

This course provides an overview of computing systems and introduces a series of techniques that leads students through the gradual construction of a complete and working computing system including the hardware platform and the software hierarchy. Topics include:

- basic computing and operating systems concepts and techniques
- wireless networks and other communication concepts and techniques
- computer programming for computing system implementation
- real-world computing systems and research

**Required Textbooks:**

None. Online reading materials will be provided.

**Grading & Evaluation:**



There will be one exam, which tests basic computer programming concepts and accounts 40 points. Student Project accounts 60 points. Student Project tests the skill of computing system design.

**Grading System (1 ~ 100)**

A+ : 96 - 100	A : 91 - 95
B+ : 86 - 90	B : 81 - 85
C+ : 76 - 80	C : 71 - 75
D+ : 66 - 70	D : 60 - 65
F : 0 - 59	
Pa : Pass	Fa : Fail

**Course Schedule:**

The course outline is tentative and may be modified accordingly depending on the pace of the class.

**Week 1:** Basic Computing System Concepts, Computer Hardware and Software, Computing Techniques and History, and Internet of Things.

**Week 2:** Computing System Case Studies (e.g., Health Monitoring Systems, Structure Monitoring Systems, Industrial Automation Systems) and Machine Learning.

**Week 3:** Computing System Implementation with C Programming Language (Topics include the basic programming concepts, programming environment, variables and conditionals, functions, and arrays).

**Week 4:** Operating Systems and Wireless Networks.