**SWE 513 Principles of Software Engineering, Fall 2017**

**Instructor :** Fikret Gürgen, ETA 22, Tel. 6863, gurgen@boun.edu.tr

**Assistants :** -

**Class Meetings :** ETA A3

**Texts :** Sommerville, Ian, Software Engineering, Addison-Wesley, 9th Edition.

Pressman, Roger S., Software Engineering: A Beginner’s Guide, McGraw-Hill, Recent Edition.

Pressman, Roger S., Software Engineering: Practitioner’s Guide, McGraww-Hill, Recent Ed.

**Grading :** - Quizzes+Projects 25

 - Two midterms 45

 - Final Exam 30

 Total 100

**Tentative Topics :**

1. Overview: Introduction (CH.1 Summerville)
2. Software processes (CH.2 Summerville)
3. Agile Software development (CH.3 Summerville)
4. Requirements engineering (CH.4 Summerville)
5. System modeling (CH.5 Summerville)
6. Architectural design (CH.6 Summerville)
7. Design and implementation (CH.7 Summerville)
8. Software testing (CH.8 Summerville)
9. Software Evolution (CH.9 Summerville)
10. Sociotechnical systems (CH.10 Summerville)
11. Security and dependability (CH.11 Summerville)
12. Dependability and security specification (CH.12 Summerville)

**Exam Dates and Times :**

* Midterm 1 : Nov, 2017
* Midterm 2 : Dec, 2017
* Final Exam : Dec, 2017

**Additional Notes :**

1. Your attendance is required in classes!