

**COMP 4910 Senior Design Project I and
COMP 4920 Senior Design Project II
Fall 2018**

Rules and Regulations, v1.0

By COMP 4910 and COMP 4920 Coordinator

1. About COMP 4910 and 4920 Projects

- i. COMP seniors who satisfy the prerequisite (COMP3323 or COMP3328 or SE3304) may register for COMP 4910.
- ii. COMP 4920 is the continuation of COMP 4910. The project selected and started in COMP 4910 must be completed in COMP 4920.
- iii. The main goal in COMP 4910-4920 projects is to produce an engineering product preferably in full working condition. The product may have a simple set of functions, but product development documentation must be prepared as if a complex system is being developed.
- iv. COMP 4910-4920 projects may be computer hardware development projects, or both computer hardware and software development projects, or software development projects. Computer hardware/software development projects are usually preferred.
- v. Teamwork, with teams of 2-to-5 students, is preferred in COMP 4910-4920 projects
- vi. Moreover, inter-disciplinary teamwork, where some of 2-to-5 team members are either from non-COMP undergraduate programs or from industry is also preferred in COMP 4910-4920 projects.
- vii. Grading in COMP 4910-4920 will be based on the timely delivery of project deliverables.
- viii. During the semester, you should occasionally check COMP 4910 pages at <http://lectures.yasar.edu.tr>. (**enrollment key: COMP49102018F**) for notices regarding deadlines, documents distributed by the Coordinator and Project Advisors and all other important information.

2. COMP 4910 Project Assignment

- i. First note that COMP 4910 is a multi-section course and each student will appear to be registered in a specific section. This does not mean that the student in a specific section must do his/her project with the COMP faculty member that appears to teach that specific section. A COMP 4910 student may do his/her project with any COMP faculty member. But there will be COMP faculty member quotas, roughly (number of all COMP 4910 students)/(Number of COMP faculty members), so that each COMP faculty member has roughly the same COMP 4910 load.
- ii. COMP students who already registered for COMP 4910 could either propose their own projects or select a project offered by COMP faculty.
- iii. COMP 4910 students who propose their own projects must consult with COMP faculty members and must find themselves a project advisor.
- iv. COMP 4910 students who are interested in projects offered by COMP faculty, should read project descriptions posted by COMP project advisors, discuss projects they are interested in with project advisors and then select a project and a project advisor.
- v. COMP 4910 students must complete the project assignment process as described in COMP 4910 Project Assignment Form.
- vi. Note that a proper and qualified project title and a project code name should appear on COMP 4910 Project Assignment Form.
- vii. COMP 4910 Project Assignment Form is the initial problem definition document, mentioned in COMP 4910 presentations.

3. COMP 4910 Progress

- i. COMP 4910 students must first refine the project topic given in COMP 4910 Project Assignment Form (in terms of a title and perhaps a brief summary) and must prepare at least

- two versions of a Requirements Specifications Document (RSD), in consultation with their project advisor.
- ii. RSD version 1.0 must further define the details of the project in textual form and must be delivered at the end of 10th week of the semester.
 - iii. RSD version 2.0 or final version, must give the final definition of the project in UML and must be delivered at the end of the semester. RSD version 2.0 is the final problem definition document, mentioned in COMP 4910 presentations.
 - iv. Example RSD's in textual form and in UML will be distributed.
 - v. COMP 4910 students will also prepare the first version of Design Specifications Document (DSD), which must contain the initial high level design, deliverable at the end of the semester. Initial DSD must also be in UML.
 - vi. RSD final version and DSD initial version will make up the two appendices of your COMP 4910 Project Report.
 - vii. If a project is carried out by a number of students, that is if this is a teamwork project, RSD, DSD and Project Report must clearly indicate who in the team has done what in the project.

4. COMP 4920 Project Assignment

- i. COMP 4920 students must continue and complete the project work that they have started in COMP 4910.
- ii. COMP 4920 students who cannot continue their COMP 4910 projects must consult with COMP 4910-4920 Coordinator.

5. COMP 4920 Progress

- i. COMP 4920 students must first finalize the initial version of Design Specifications Document (DSD), which will contain the initial high level design, then produce the final version of Design Specifications Document (DSD), which will contain the detailed design. High Level DSD and Detailed DSD must also be in UML.
- ii. While the High Level DSD and Detailed DSD are being produced, it may also be necessary to revise RSD final version delivered in COMP 4910, depending on design decisions during DSD production.
- iii. Concurrently while Detailed DSD is being produced or after Detailed DSD is being produced, implementation (realization) and testing of the product will be started and completed by the end of the semester.
- iv. A Product Manual (PM), describing the properties, installation, administration and the proper use of the project end-product must be written and delivered by the end of the semester.
- v. COMP 4920 students must demonstrate the operation of their product, at least to their advisors or preferably to a jury of faculty members.
- vi. Revised RSD if any, final version of DSD and PM will make up the three appendices of your COMP 4920 Project Report (that is, your BS Thesis)
- vii. COMP 4920 Project Report, together with its appendices, is normally due at the project demonstration date and time.
- viii. COMP 4920 students will give a slide presentation of their projects in a common presentation session, will prepare and display a poster in paper form and will preferably prepare a web site about the project.