

# Academic Year 2016/17

## Spring Semester

### GPE Project

#### Specific Component

The use of mobile phones and tablets has become very ubiquitous these days, not only for voice communications, but also for Internet access. People expect to use these devices in any location, regardless of where they are, which imposes challenges to many organisations. Cruise ships are among the “special” locations that need to accommodate communication capabilities for passengers, namely mobile cellular communications and Wi-Fi. For the former, there are international operators that are licenced to provide services when the ships are cruising at sea, but not on ports, where interference with local operators would create problems; these international operators also provide the Wi-Fi service on board. The communications in between the ship and the “outside world” are done via satellite systems.

Your project is the installation of cellular communications base stations and Wi-Fi access points in a cruise ship for an international operator. A detailed description of the project is given at a theoretical class.

You play the role of Project Leader from the Project Development Department of the operator.

You should clearly identify all entities with which you have to interact, and their roles.

#### General Component

Each group needs to elaborate its own Project with autonomy, using the concepts and competences acquired in the course, simulating a fictional project that you manage using MS Project. You will need to learn how to use MS Project by yourself.

Your Project should present: objectives, stakeholder’s framework, requirements, quality control, risk assessment and contingency plan, communication plan, work breakdown structure, resource allocation, cost analysis, responsibility matrix, Gantt chart, and Pert diagram.

You need to “play” with the resource costs using only three different costs associated to three different categories of people: 60 € / hour; 90 € /hour and 120 € /per hour. Additionally, you should assume some costs for equipment and installation, but there is no need to provide a sound justification for them.

You need to justify all relevant decisions taken, and stress interesting details about your Project.

#### Report and Evaluation

Your final report (identifying the group and all elements) should have a maximum of 20 pages (with indexes, tables, all information), containing all supporting information, following the template that is given in the course. Reports will be evaluated by: 1 – Structure; 2 – Content (project management approach, innovative details, critical distance, and technical rigour); 3 – Synthesis; 4 – Quality of writing; 5 – Context (contextual approach to your Project and presentation).

A presentation of the Project, using Power Point, with a duration of 15 minutes, needs to be done at the discussion by all group elements. The presentation should follow the template that is given at the course.

You should deliver your work at the Theoretical class, in a CD or pen: the pdf version of the full report; the MS Project file; the pdf and ppt versions of your presentation. Your presentation and discussion will be based on the delivered documents.

The discussion will begin with the presentation, after which the report and the MS Project files will be discussed. Project discussions should last for half an hour.

On **March 13**, at the theoretical class, the project will be presented to you. On **April 27**, theoretical class, we will discuss about your Project, your solutions and any details you intend to clarify. On **May 22**, you have to deliver a pen with the Project. From May 22 on, and using classes time, we will have project discussions. The discussion schedule will be arranged with the groups on project delivery, by May 22.