

2.2 GNSS Applications and Market

Module: 2.2

Period: Spring Quarter

Credits: 3

Total hours: ~30

Course Objectives

The course aims to provide the students with basic elements of GNSS applications and services and to help them understand and define the characteristics of GNSS applications in different environments.

Course Syllabus

- ◆ Basic elements of computer networks and network applications
 - Computer networks and telecommunication networks
 - Client/server and peer-to-peer architectures
 - Two-tier and three-tier architectures
 - Distributed applications
- ◆ Classification and description of GNSS applications
 - General overview
 - Classification criteria
 - Overview and examples of applications in different sectors
 - Sources for more information
- ◆ Detailed case studies of GNSS applications
 - Applications in the mass-market sector: analysis of user requirements and derivation of set of specifications, description of the development flow, test plan and validation
- ◆ Introduction to business modelling and planning
 - Concepts and tools for business modelling
 - Basics of corporate strategy
 - Fundamentals of business planning
 - Examples with GNSS applications