**Topic 1**

(3 students)

**Hardware/Software Codesign of Embedded Systems: Specific Issues and Research Topics**

Readings:


**Topic 2**

(3 students)

**Basic Models of Computation. A Comparative Study**

Readings:

**Topic 3**

(3 students)

*System Specification Languages, Multilanguage Specifications.*

Readings:


**Topic 4**

(3 students)

*Formal Verification Techniques with Emphasis on Model Checking*

Readings:

Topic 5
(4 students)

Processors and Architectures for Embedded Systems

Readings:


Topic 6
(3 students)

Component and Platform-based Design

Readings:

**Topic 7**
(3 students)

**Software Performance Estimation by Static Analysis**

Readings:

Topic 8
(5 students)

System-Level Power/Energy Optimization

Readings:


Topic 9
(4 students)

Hardware/Software Codesign Environments

- The Cosyma System
- The Cosmos Environment
- The SpecSyn Environment
- Synthesis of Distributed Embedded Systems
- The POLIS Environment
- The CoWare Environment

Readings:


