**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)


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**

(4 students)

**Software Execution Time Estimation and Real-Time Scheduling**

Readings:

Topic 8
(5 students)

System-Level Power/Energy Optimization

Readings:


Topic 9
(4 students)

Hardware/Software Codesign Environments

- The Cosyma System
- The SpecSyn Environment
- The POLIS Environment
- The CoWare Environment
- UltraSONIC Codesign Environment
- Metropolis environment

Readings:


