Future of the ESA course

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Abstract

Distribution

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Course blocks in time

2003
- sept: Stakeholders
- oct: Stakeholders
- nov: SW block 1
- dec: SW block 2
- jan: SW block 3
- feb: Silicon block 1
- maart: Silicon block 2
- april: Systems
- mei: 3 days

2004
- sept: 3 days
- oct: 2+3 days
- nov: 4 days
- dec: 3 days
- jan: 2+3 days
- feb: 3 days
- maart: 3 days

including case

tentative schedule
Positioning of courses w.r.t. architect maturity

**Root Technical Know-How**
- Specific technologies and methods
- Broaden technology scope

**Generalist Technical Know-How**
- System design methodology

**Business, Application Insight**
- Experience the non-technical aspects
- Broaden non technical scope
- Increase skills
- Business methodology

**Psycho-Social Skills**
- See every human as an individual
- Stimulate personal development

**Apply Theory in Practice**
- Become all-round

**Architecture School**
- Execute architecture
- System design methods
- Architectural reasoning
- Bredemeyer SW architecture

**SARCH**
- ESA stakeholders
- Thomas Gilb - EVO
- Thomas Gilb - requirements eng
- Bredemeyer - Role of the architect

**Legend**
- Philips
- Internal
- Available
- External
- Missing
### Tentative Roadmap

**2003**
- **Stakeholders**
  - 3+2 days
- **SW**
  - 3+4+3 days
- **Silicon**
  - 3+3 days
- **System**
  - Technologies
    - 3 days

**2004**
- **mecha-tronics**
- **performance design**
- **control architecture**
- **system architecting**
  - 5 days

**2005**
- **physics/optics**
- **testability**
- **architectural reasoning**
  - 5 days

- **architecting non technical aspects**
- **multi-disciplinary system design**
- **technological broadening**

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